

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

September 26, 2022

**CALL TO ORDER**      5:00 p.m.

**PLEDGE OF ALLEGIANCE**

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

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

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

Via Web: <https://irwd.webex.com/irwd/j.php?MTID=me94975bb693ac2a655576bb7e77f0db5>  
Meeting Number (Access Code): 2492 147 4169  
Meeting Password: TUhRPCip242

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

**PUBLIC COMMENT NOTICE**

Public comments are limited to three minutes per speaker on each subject. If you wish to address the Board of Directors on any item, you may attend the meeting in person and submit a “speaker slip” to the Secretary. Forms are provided outside of IRWD’s Board Room. If attending via Webex, please submit your request to speak, or your comment, via the “chat” feature and your remarks will be read into the record at the meeting. You may also submit a public comment in advance of the meeting by emailing [comments@irwd.com](mailto:comments@irwd.com) before 12:00 p.m. on Monday, September 26, 2022.

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**COMMUNICATIONS TO THE BOARD**

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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).

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**CONSENT CALENDAR, ITEMS 4-9**

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4. BOARD MEETING MINUTES

Recommendation: That the minutes of the August 22, 2022 Regular Board meeting be approved as presented.

5. REIMBURSEMENT TO BOARD MEMBER FOR BUSINESS EXPENSES

Recommendation: That the Board approve the expenses submitted for reimbursement incurred by Director Peer Swan.

6. AUGUST 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 August 2022 summary of payroll ACH payments in the total amount of \$2,396,625, and approve the August 2022 accounts payable disbursement summary of warrants 429431 through 430167, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$27,806,268.

7. 2022 LEGISLATIVE AND REGULATORY UPDATE

Recommendation: Receive and file.

8. MORSE / GILLETTE DOMESTIC WATER PIPELINE REPLACEMENT FINAL ACCEPTANCE

Recommendation: That the Board accept construction of the Morse / Gillette Domestic Water Relocation, Project 11567, authorize the General Manager to file a Notice of Completion, and authorize the payment of the retention 35 days after the date of recording the Notice of Completion.

9. CYBERSECURITY THREAT DETECTION AND RESPONSE SERVICES

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with AT&T for a not-to-exceed amount of \$442,400 for a duration of three years for cybersecurity threat detection and response services.

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## **ACTION CALENDAR**

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10. REHABILITATION OF DYER ROAD WELLFIELD WELLS 10 AND 12  
BUDGET INCREASE AND CONSTRUCTION AWARD

Recommendation: That the Board authorize a budget increase in the amount of \$600,000, from \$810,000 to \$1,410,000, for Project 07087, and in the amount of \$600,000, from \$770,000 to \$1,370,000, for Project 11845; and authorize the General Manager to execute a construction contract with Best Drilling and Pump, Inc. in the amount of \$2,133,834 for Rehabilitation of Dyer Road Wellfield Wells 10 and 12, Projects 07087 and 11845.

11. TERMS FOR LETTER AGREEMENT TO ALLOW METROPOLITAN  
WATER DISTRICT TO BORROW WATER

Recommendation: That the Board authorize the General Manager to execute a letter agreement with Metropolitan Water District allowing it to borrow water from IRWD's account in the Kern Water Bank, based on the proposed terms and subject to substantive changes approved by the Supply Reliability Programs Committee.

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## **OTHER BUSINESS**

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

12. General Manager's Report

13. Receive oral update(s) from District liaison(s) regarding communities within IRWD's service area and provide information on relevant community events.

14. Directors' Comments

15. Closed Sessions

A. CLOSED SESSION CONFERENCE WITH REAL PROPERTY NEGOTIATORS – Pursuant to Government Code Section 54956.8:

*Property:* APN 610-691-41

*Agency Negotiator:* Paul A. Cook, General Manager

*Negotiating Party:* Keith Neves, Assistant City Manager, City of Lake Forest

*Under Negotiation:* Price and terms of property

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**OTHER BUSINESS, continued**

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Closed Sessions (continued)

B. CONFERENCE WITH LEGAL COUNSEL- ANTICIPATED LITIGATION  
(Gov. Code § [54956.9\(d\)\(4\)](#)) *Initiation of litigation*: 1 case

16. Open Session

17. Adjournment

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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](mailto: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.

September 26, 2022  
Prepared and  
submitted by: L. Bonkowski  
Approved by: Paul A. Cook *PAC*

CONSENT CALENDAR

BOARD MEETING MINUTES

SUMMARY:

Provided are the minutes of the August 22, 2022 Regular Board meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE AUGUST 22, 2022 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – August 22, 2022 Minutes

Note: This page is intentionally left blank.

## EXHIBIT "A"

### MINUTES OF REGULAR MEETING –AUGUST 22, 2022

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President LaMar on August 22, 2022 at the District offices, 15600 Sand Canyon Avenue, Irvine.

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

Directors Absent: None.

Written and Oral Communications: None.

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

### CONSENT CALENDAR

On MOTION by Reinhart, seconded by Withers, and unanimously carried, CONSENT CALENDAR ITEMS 4 THROUGH 7 WERE APPROVED AS FOLLOWS:

4. BOARD MEETING MINUTES

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

5. JULY 2022 TREASURY REPORT

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the summary of fixed and variable rate debt, and disclosure report of reimbursements to Board members and staff, approve the July 2022 summary of payroll ACH payments in the total amount of \$3,359,563, and approve the July 2022 accounts payable disbursement summary of warrants 428809 through 429430, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$41,566,346.

6. CONDITION ASSESSMENT FOR STEEL TANKS CONSULTANT SELECTION

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

## CONSENT CALENDAR (Continued)

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

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

## ACTION CALENDAR

### IRWD TRUST FUND GUIDING PRINCIPLES AND USE STRATEGIES

Using a PowerPoint presentation, Manager of Strategic Planning and Analysis Smithson presented updated principles to guide IRWD's approach to determine the eventual transfer of funds from the IRWD Retirement Trust to CalPERS. Mr. Smithson reviewed the purpose of the guiding principles, reviewed the present modified guiding principles, summarized allowable uses of funds from the 115 Trust, detailed steps for implementing guiding principles and revisited the proposed guiding principles.

Director Swan reported that this item was reviewed by the Finance and Personnel Committee and he concurs with the staff's recommendation. On MOTION by Swan, seconded by Withers and unanimously carried, THE BOARD APPROVED THE IRWD 115 PENSION TRUST FUND GUIDING PRINCIPLES AND APPROVED NO TRANSFER OF FUNDS FROM THE IRWD 115 PENSION TRUST FUND TO CALPERS FOR FISCAL YEAR 2022-23.

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

Executive Director of Technical Services Burton reported that algal growth in the San Joaquin Reservoir has become an issue during the summer as the water temperature rises, and algae and other debris can draft out of the reservoir. Mr. Burton said that there is no filtration system for to remove algae from water drafting out of the reservoir into the recycled water system, and recycled water users in the area have reported clogged sprinklers, irrigation equipment, and filters on the customer side of the service meter and increased maintenance costs. He said that this project will install a filtration system and disinfection improvements at the reservoir to mitigate algae and debris entering the Zone B system. Additionally, he said that this project also includes replacement of the existing booster pumps in the reservoir control building and the replacement of the existing chlorination tanks, injection pumps, and piping as the system requires modification for the new filtration system as it is nearing the end of its useful life.



Mr. Burton said that at staff's request, Carollo Engineers submitted a proposal for construction phase engineering services in the amount of \$949,482. He said that the proposal includes scope for submittal reviews, responses to contractor requests for information, site visits, record drawing preparation, development of energy control procedures, and construction coordination and engineering support commensurate with the complex requirements of the project.

Mr. Burton said that the project was advertised for construction bidding to a select list of 18 mechanical contractors. The bid opening was held on August 11, 2022 with bids received from R.C. Foster Corporation, Pacific Hydrotech Corporation, and Shimmick Construction Company, Inc. R.C. Foster Corporation is the apparent low bidder with a bid amount of \$18,282,706.70. Mr. Burton said that staff identified a potential irregularity in the bid submitted by R.C. Foster Corporation where the bid included a cost for mobilization and demobilization that exceeded the District's maximum requirement of 4% of the total bid. He said that staff conferred with legal counsel and legal counsel concurred that there is a sufficient basis for a factual finding by the Board that the irregularity in R.C. Foster's bid is inconsequential and cannot have affected the bid amount or given the bidder a competitive advantage over the other bidders. He said that the three bids all greatly exceeded the engineer's estimate, but were tightly grouped which indicates that the bidders had a similar understanding of the scope of work and that the current challenging supply chain issues are driving construction increases. The substantial increase in construction costs has been reported by other agencies in recent months.

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

#### GENERAL MANAGER'S REPORT

General Manager Cook reported that the number of COVID-19 cases are improving with one or two cases per week; masking remains optional.

Mr. Cook said that staff continues to work with the Baker Water Treatment Plant Partners relative to the upcoming MWD shutdown of its Upper Feeder pipeline in September. He said that staff is preparing a letter agreement between IRWD and the other four Baker Partners regarding water deliveries to be stored temporarily in Irvine Lake for possible emergency use by the Baker Partners during the MWD shutdown. He said that IRWD plans to hold approximately 3,700 acre-feet of untreated water deliveries into Irvine Lake for this purpose.

#### COMMUNITY UPDATE

Mr. Cook said that Consultant Newell had nothing to report this evening.

DIRECTORS' COMMENTS

Director Withers reported that he will be participating on a panel for the upcoming LAFCO conference relative to ethics.

Director Swan reported that he attended a three-day CASA conference, a WACO meeting, and Newport Chambers of Commerce events.

Director Reinhart reported that he attended the meetings listed with the exception of the OCWD Board meeting.

Director McLaughlin reported that she attended the meetings listed with the exception of the OCWA monthly meeting.

Director LaMar reported on his attendance at an OCBC meeting, an ACWA Climate Change Working Group meeting, and an Irvine Police Department annual awards ceremony. He further noted that last week IRWD hosted an event that included the Secretary of Interior, the Bureau of Reclamation, and the State Water Resources Control Board, among others. He said that during the event, the Secretary of the Interior announced that IRWD will be receiving a \$12.2 million grant for the Syphon Reservoir Improvement Project.

ADJOURNMENT

President LaMar adjourned the meeting at 6:04 p.m.

APPROVED and SIGNED this \_\_\_ day of September 2022.

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President, IRVINE RANCH WATER DISTRICT

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Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

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Claire Hervey Collins, General Counsel  
Hanson Bridgett LLP

September 26, 2022  
Prepared by: K. Swan  
Submitted by: C. Clary  
Approved by: Paul A. Cook *PA*

CONSENT CALENDAR

REIMBURSEMENT TO BOARD MEMBER FOR BUSINESS EXPENSES

SUMMARY:

The District’s Expense Policy provides, in part, that expense reports submitted for reimbursement by members of the Board are subject to approval by two Board members if submitted to the report reviewer within 90 days after the expenses were paid or incurred. Expense reports submitted outside of this period require approval by the full Board of Directors in order to receive reimbursement. Staff recently received expenses from Director Peer Swan from May 2022 which requires the approval by the full Board in order to receive reimbursement.

BACKGROUND:

Director Swan has submitted the following expenses for approval and reimbursement:

Time Period & Purpose	Total Expense Requested	Amount Advanced by IRWD	Balance Due to Director Swan
May 2, 2022 meal reimbursement for the Association of California Water Agencies’ Annual Spring Conference, Sacramento	\$10.87	\$0.00	\$10.87
May 17, 2022 taxi reimbursement for the Water Education Foundation Bay Delta Tour	\$43.40	\$0.00	\$43.40
<i>Total:</i>	\$54.27	\$0.00	\$54.27

Documentation is provided as Exhibit “A”.

FISCAL IMPACTS:

Approval of expenses is requested for a total of \$54.27, of which the District advanced \$0.00. Subject to Board approval, the amount of \$54.27 will be reimbursed to Director Swan for travel expenses relating to District business for May 2022.

ENVIRONMENTAL COMPLIANCE:

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

Consent Calendar – Reimbursement to Board Member for Business Expenses

September 26, 2022

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RECOMMENDATION:

THAT THE BOARD APPROVE THE EXPENSES SUBMITTED FOR REIMBURSEMENT INCURRED BY DIRECTOR PEER SWAN.

LIST OF EXHIBITS:

Exhibit “A” – Expense Report for May 2022 (limited distribution)

**Exhibit “A” provided under separate cover by the  
District Secretary.**

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September 26, 2022

Prepared by: O. Mendoza / J. Davis

Submitted by: R. Jacobson / C. Clary

Approved by: Paul A. Cook



## CONSENT CALENDAR

### AUGUST 2022 TREASURY REPORT

#### SUMMARY:

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

- A. The August 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 August 31, 2022, as outlined in Exhibit "B";
- C. The Monthly Interest Rate Swap Summary as of August 31, 2022, as outlined in Exhibit "C";
- D. The August 31, 2022 Disbursement Summary of warrants 429431 through 430167, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$27,806,268, as outlined in Exhibit "D";
- E. The Summary of Payroll ACH payments in the total amount of \$2,396,625 as outlined in Exhibit "E"; and
- F. The Disclosure Report of Reimbursements to Board members and staff for August 2022, detailing payments or reimbursements for individual charges of \$100 or more per transaction, as outlined in Exhibit "F".

#### FISCAL IMPACTS:

As of August 31, 2022, the book value of the investment portfolio was \$375,566,591, with a 1.01% rate of return and a market value of \$371,145,736. Based on IRWD's June 30, 2022, quarterly real estate investment rate of return of 13.08%, the weighted average return for the fixed income and real estate investments was 3.50%.

As of August 31, 2022, the outstanding principal amount of fixed and variable rate debt was \$621,195,000. The monthly weighted average all-in variable rate was 1.78%. 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 3.33%.

Payroll ACH payments totaled \$2,396,625 and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for August totaled \$27,806,268.

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 AUGUST 2022 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$2,396,625, AND APPROVE THE AUGUST 2022 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 429431 THROUGH 430167, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$27,806,268.

LIST OF EXHIBITS:

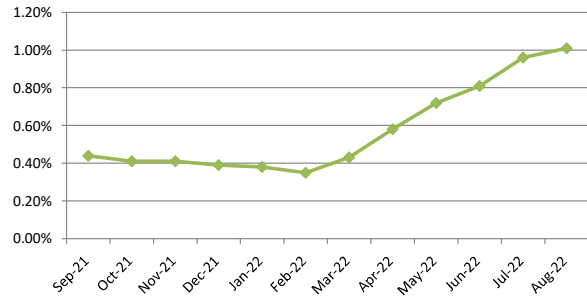
- Exhibit "A" – Investment Summary Report
- Exhibit "B" – Summary of Fixed and Variable Debt
- Exhibit "C" – Monthly Interest Rate Swap Summary
- Exhibit "D" – Monthly Summary of District Disbursements
- Exhibit "E" – Monthly Payroll ACH Summary
- Exhibit "F" – Disclosure of Reimbursements to Board Members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



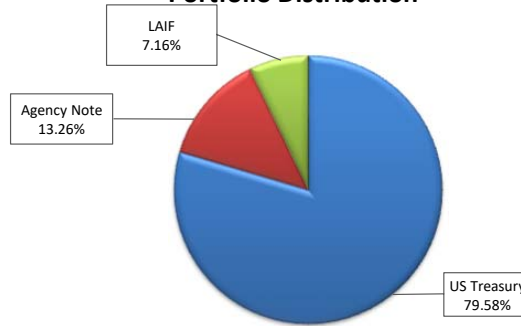
# Exhibit "A"

## Irvine Ranch Water District Investment Portfolio Summary August 2022

**Monthly Fixed Income Yield**



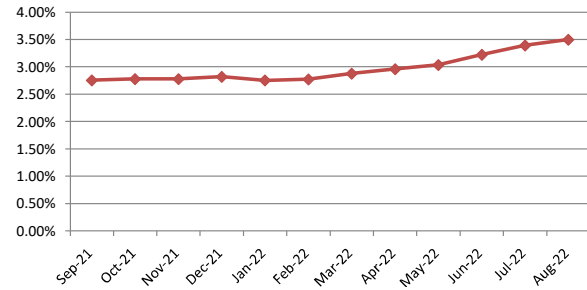
**Portfolio Distribution**



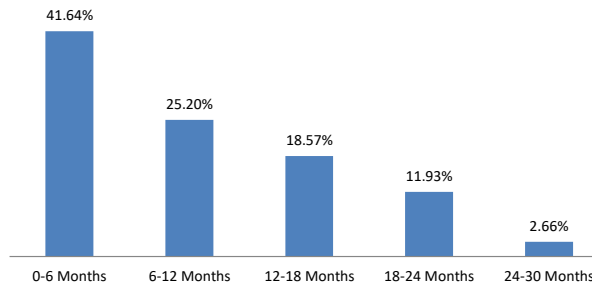
**Investment Summary**

Type	PAR	Book Value	Market Value
US Treasury	300,000,000	298,706,764	295,063,350
Agency Note	50,000,000	49,859,827	49,430,000
LAIF	27,000,000	27,000,000	26,652,386
<b>Grand Total</b>	<b>377,000,000</b>	<b>375,566,591</b>	<b>371,145,736</b>

**Weighted Average Return Including Real Estate Portfolio**



**Maturity Distribution**



**Top Issuers**

Issuer	PAR	% Portfolio
US Treasury	300,000,000	79.58%
Fed Home Loan Bank	30,000,000	7.96%
State of California Tsy.	27,000,000	7.16%
Fed Farm Credit Bank	15,000,000	3.98%
Fed Home Loan Mortgage Corp	5,000,000	1.32%
<b>Grand Total</b>	<b>377,000,000</b>	<b>100.00%</b>

IRVINE RANCH WATER DISTRICT  
INVESTMENT SUMMARY REPORT

08/31/22

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE <sup>(1)</sup> 8/31/2022	UNREALIZED <sup>(2)</sup> GAIN/(LOSS)
08/26/22			09/01/22		LAIF	State of California Tsy.	\$27,000,000		1.380%	\$27,000,000.00	\$27,000,000.00	26,652,386.18	(347,613.82)
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	5,002,062.24	4,999,350.00	(2,712.24)
12/03/21	NA	NA	09/30/22	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.210%	4,996,484.38	4,999,661.29	4,991,500.00	(8,161.29)
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	4,999,181.62	4,991,500.00	(7,681.62)
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	4,997,564.98	4,991,500.00	(6,064.98)
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	9,993,594.57	9,983,000.00	(10,594.57)
06/14/22	NA	NA	10/15/22	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	1.375%	1.845%	9,983,984.38	9,994,270.84	9,987,400.00	(6,870.84)
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	10,002,986.85	9,958,300.00	(44,686.85)
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	9,997,896.63	9,958,300.00	(39,596.63)
04/11/22	NA	NA	10/31/22	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	1.235%	9,939,062.50	9,981,988.92	9,958,300.00	(23,688.92)
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	5,000,265.19	4,967,000.00	(33,265.19)
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	9,996,535.33	9,934,000.00	(62,535.33)
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	4,996,613.39	4,967,000.00	(29,613.39)
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	10,042,652.40	9,966,000.00	(76,652.40)
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	9,997,016.06	9,904,300.00	(92,716.06)
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	4,999,634.99	4,937,900.00	(61,734.99)
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	9,987,885.71	9,875,800.00	(112,085.71)
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	4,980,443.25	4,937,900.00	(42,543.25)
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	9,994,476.12	9,861,600.00	(132,876.12)
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	9,997,237.23	9,848,400.00	(148,837.23)
09/09/21	NA	NA	03/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.153%	9,995,703.13	9,998,403.80	9,822,300.00	(176,103.80)
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	4,994,708.33	4,911,150.00	(83,558.33)
09/30/21	NA	NA	04/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.202%	9,987,890.63	9,994,942.19	9,790,600.00	(204,342.19)
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	9,988,021.54	9,790,600.00	(197,421.54)
08/31/22	NA	NA	05/05/23	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.375%	3.321%	4,902,050.00	4,902,446.56	4,902,050.00	(396.56)
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	9,980,681.82	9,762,500.00	(218,181.82)
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	4,981,917.20	4,866,200.00	(115,717.20)
04/21/22	NA	NA	06/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	1.375%	2.107%	9,914,062.50	9,940,337.64	9,834,800.00	(105,537.64)
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	4,973,455.79	4,850,400.00	(123,055.79)
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	4,942,117.75	4,850,400.00	(91,717.75)
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	9,938,957.25	9,686,300.00	(252,657.25)
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	4,933,966.31	4,835,750.00	(98,216.31)
08/23/22	NA	NA	09/15/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	3.154%	4,842,968.75	4,846,611.23	4,830,300.00	(16,311.23)
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	9,965,468.29	9,663,300.00	(302,168.29)
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	4,969,893.54	4,897,250.00	(72,643.54)
04/21/22	NA	NA	10/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	1.625%	2.380%	4,943,750.00	4,957,157.26	4,897,250.00	(59,907.26)
03/31/22	NA	NA	11/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.500%	2.210%	4,860,742.19	4,895,956.81	4,821,900.00	(74,056.81)
04/21/22	NA	NA	11/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.500%	2.462%	4,846,093.75	4,880,905.88	4,821,900.00	(59,005.88)
08/31/22	NA	NA	12/08/23	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	3.375%	3.576%	4,987,445.00	4,987,472.06	4,986,050.00	(1,422.06)
04/14/22	NA	NA	12/15/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	2.213%	4,829,687.50	4,868,775.61	4,793,350.00	(75,425.61)
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	4,921,297.68	4,821,500.00	(99,797.68)
08/31/22	NA	NA	01/31/24	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	2.500%	3.445%	4,935,156.25	4,935,281.43	4,933,600.00	(1,681.43)
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	4,962,096.70	4,858,800.00	(103,296.70)
03/10/22	NA	NA	03/08/24	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	1.875%	1.680%	10,038,080.00	10,028,938.71	9,760,000.00	(268,938.71)
04/21/22	NA	NA	04/30/24	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	2.000%	2.600%	9,882,421.88	9,903,554.16	9,768,000.00	(135,554.16)
05/31/22	NA	NA	05/31/24	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	2.500%	2.560%	9,988,281.25	9,989,772.14	9,838,700.00	(151,072.14)
08/17/22	NA	NA	06/14/24	Aaa/AA+/AAA	FHLB - Note	Fed Home Loan Bank	5,000,000	3.125%	3.315%	4,983,200.00	4,983,577.80	4,960,150.00	(23,427.80)
08/17/22	NA	NA	07/31/24	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	3.000%	3.249%	4,976,562.50	4,977,054.88	4,958,400.00	(18,654.88)
08/31/22	NA	NA	08/26/24	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	3.375%	3.500%	4,988,050.00	4,988,066.46	4,988,050.00	(16.46)
08/31/22	NA	NA	09/13/24	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	3.250%	3.530%	4,972,750.00	4,972,786.63	4,972,750.00	(36.63)
SUB-TOTAL							\$377,000,000			\$375,182,247.66	\$375,566,591.06	\$371,145,736.18	(\$4,420,854.88)

IRVINE RANCH WATER DISTRICT  
INVESTMENT SUMMARY REPORT

08/31/22

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE <sup>(1)</sup> 8/31/2022	UNREALIZED <sup>(2)</sup> GAIN/(LOSS)
<b>TOTAL INVESTMENTS</b>							<u>\$377,000,000</u>			<u>\$375,182,247.66</u>	<u>\$375,566,591.06</u>	<u>\$371,145,736.18</u>	<u>(\$4,420,854.88)</u>
					Petty Cash					3,400.00			
					Ck Balance	Bank of America	ECR	0.79%		<u>6,019,951.11</u>			
										<u>\$381,205,598.77</u>			

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

<sup>(2)</sup> Gain (loss) calculated against carry value using the trading value provided by Bank of New York/or Brokers

<sup>(3)</sup> Real estate rate of return is based on most recent quarter end return

Outstanding Variable Rate Debt	\$235,300,000
Net Outstanding Variable Rate Debt (Less \$60 million fixed-payer swaps)	\$175,300,000
Investment Balance:	\$381,205,599
Investment to Variable Rate Debt Ratio:	217%
Portfolio - Average Number of Days To Maturity	261

This Investment Summary Report is in conformity with the 2022 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures.

	Investment Portfolio	Real Estate <sup>(3)</sup> Portfolio	Weighted Avg. Return
<b>August</b>	<b>1.01%</b>	<b>13.08%</b>	<b>3.50%</b>
<b>July</b>	<b>0.96%</b>	<b>13.08%</b>	<b>3.40%</b>
<b>Change</b>	<b>0.05%</b>		<b>0.10%</b>

IRVINE RANCH WATER DISTRICT  
SUMMARY OF MATURITIES

08/31/22

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Municipal Bonds	US Treasury
08/22	27,000,000	7.16%	\$27,000,000				
09/22	30,000,000	7.96%		5,000,000			25,000,000
10/22	40,000,000	10.61%					40,000,000
11/22	20,000,000	5.31%					20,000,000
12/22	20,000,000	5.31%					20,000,000
1/23	20,000,000	5.31%					20,000,000
2/23	20,000,000	5.31%		10,000,000			10,000,000
3/23	15,000,000	3.98%					15,000,000
4/23	20,000,000	5.31%					20,000,000
5/23	15,000,000	3.98%		5,000,000			10,000,000
6/23	15,000,000	3.98%					15,000,000
7/23	10,000,000	2.65%					10,000,000
<b>SUB-TOTAL</b>	<b>\$252,000,000</b>	<b>66.84%</b>	<b>\$27,000,000</b>	<b>\$20,000,000</b>			<b>\$205,000,000</b>

13 Months - 3 YEARS							
08/01/2023 - 10/31/2023	\$40,000,000	10.61%					40,000,000
11/01/2023 - 1/31/2024	\$30,000,000	7.96%		5,000,000			25,000,000
2/01/2024 - 04/30/2024	\$25,000,000	6.63%		10,000,000			15,000,000
05/01/2024 - 07/31/2024	\$20,000,000	5.31%		5,000,000			15,000,000
8/01/2024 +	\$10,000,000	2.65%		10,000,000			
<b>TOTALS</b>	<b>\$377,000,000</b>	<b>100.00%</b>	<b>\$27,000,000</b>	<b>50,000,000</b>	<b>-</b>		<b>300,000,000</b>

% OF PORTFOLIO

7.16%

13.26%

79.58%

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

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

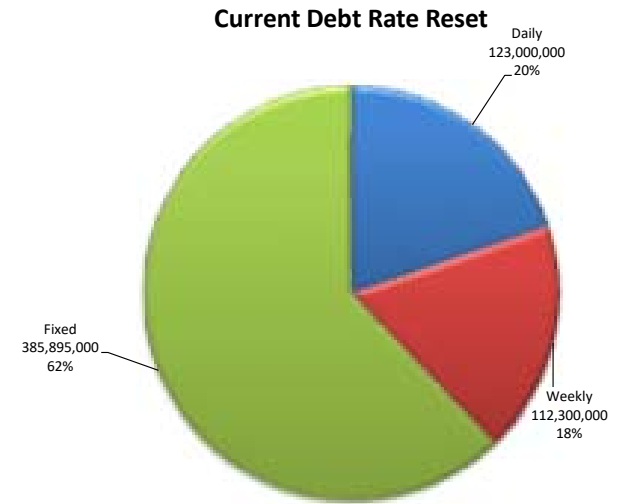
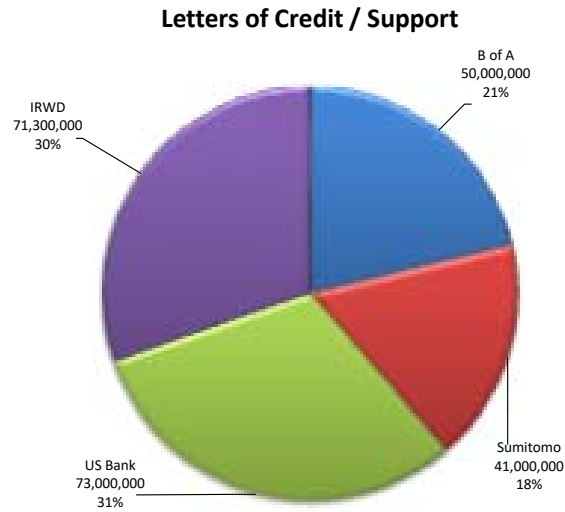
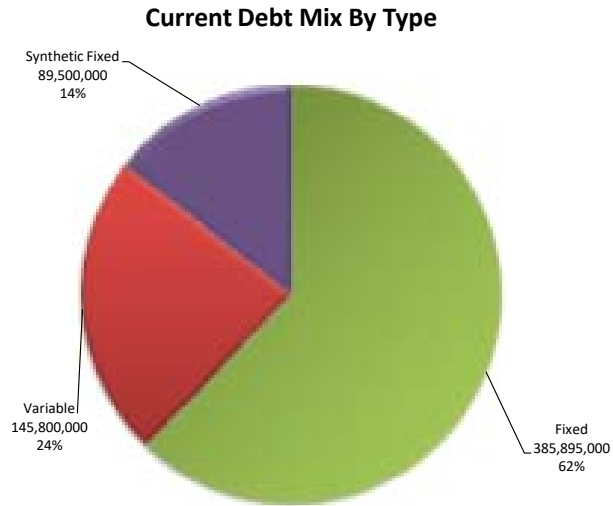
**IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT**  
**INVESTMENT ACTIVITY**  
**Aug-22**

**MATURITIES/SALES/CALLS**

**PURCHASES**

DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
8/17/2022	FHLB - Discount Note	\$10,000,000	1.57%	8/17/2022	6/14/2024	FHLB - Note	\$5,000,000	3.31%
8/31/2022	Treasury - Note	\$5,000,000	0.10%	8/17/2022	7/31/2024	Treasury - Note	\$5,000,000	3.25%
8/31/2022	Treasury - Note	\$5,000,000	0.19%	8/23/2022	9/15/2023	Treasury - Note	\$5,000,000	3.15%
8/31/2022	Treasury - Note	\$5,000,000	0.31%	8/31/2022	5/5/2023	FHLMC - Note	\$5,000,000	3.32%
8/31/2022	Treasury - Note	\$5,000,000	0.78%	8/31/2022	12/8/2023	FHLB - Note	\$5,000,000	3.58%
8/31/2022	Treasury - Note	\$5,000,000	0.77%	8/31/2022	1/31/2024	Treasury - Note	\$5,000,000	3.45%
				8/31/2022	8/26/2024	FFCB - Note	\$5,000,000	3.50%
				8/31/2022	9/13/2024	FHLB - Note	\$5,000,000	3.53%

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



**Outstanding Par by Series**

Series	Issue Date	Maturity Date	Remaining Principal	Percent	Letter of Credit/Support	Rmkt Agent	Mode	Reset
Series 1993	05/19/93	04/01/33	\$23,000,000	3.70%	US Bank	BAML	Variable	Daily
Series 2008-A Refunding	04/24/08	07/01/35	\$41,000,000	6.60%	Sumitomo	BAML	Variable	Weekly
Series 2011-A-1 Refunding	04/15/11	10/01/37	\$42,780,000	6.89%	IRWD	Goldman	Variable	Weekly
Series 2011-A-2 Refunding	04/15/11	10/01/37	\$28,520,000	4.59%	IRWD	Goldman	Variable	Weekly
Series 2009 - A	06/04/09	10/01/41	\$50,000,000	8.05%	US Bank	US Bank	Variable	Daily
Series 2009 - B	06/04/09	10/01/41	\$50,000,000	8.05%	B of A	Goldman	Variable	Daily
2016 COPS	09/01/16	03/01/46	\$109,650,000	17.65%	N/A	N/A	Fixed	Fixed
2010 Build America Taxable Bond	12/16/10	05/01/40	\$175,000,000	28.17%	N/A	N/A	Fixed	Fixed
Series 2016	10/12/16	02/01/46	\$101,245,000	16.30%	N/A	N/A	Fixed	Fixed
<b>Total</b>			<b>\$621,195,000</b>	<b>100.00%</b>				

**IRVINE RANCH WATER DISTRICT**  
**SUMMARY OF FIXED & VARIABLE RATE DEBT**

August-22

ITN
Daily
Weekly

GENERAL BOND INFORMATION							LETTER OF CREDIT INFORMATION										TRUSTEE INFORMATION									
VARIABLE RATE ISSUES	Issue Date	Maturity Date	Principal Payment Date	Payment Date	Original Par Amount	Remaining Principal	Letter of Credit	Reimbursement Agreement Date	L/C Exp. Date	MOODY'S	S&P	FITCH	LOC Stated Amount	LOC Fee	Annual LOC Cost	Rmkt Agent	Reset	Rmkt Fees	Annual Cost	Trustee						
SERIES 1993	05/19/93	04/01/33	Apr 1	5th Bus. Day	\$38,300,000	\$23,000,000	US BANK	05/07/15	05/01/25	Aa3/VMIG1	AA-/A-1+	N/R	\$23,310,027	0.3000%	\$69,930	BAML	DAILY	0.10%	\$23,000	BANK OF NY						
SERIES 2008-A Refunding	04/24/08	07/01/35	Jul 1	5th Bus. Day	\$60,215,000	\$41,000,000	SUMITOMO	04/01/11	05/28/25	A1/P-1	A/A-1	A/F1	\$41,606,575	0.3150%	\$131,061	BAML	WED	0.07%	\$28,700	BANK OF NY						
SERIES 2011-A-1 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$60,545,000	\$42,780,000	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Goldman	WED	0.13%	\$53,475	BANK OF NY						
SERIES 2011-A-2 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$40,370,000	\$28,520,000	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Goldman	WED	0.13%	\$35,650	BANK OF NY						
SERIES 2009 - A	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$50,000,000	US BANK	04/01/11	05/01/25	Aa2/VMIG 1	AA-/A-1+	AA/F1+	\$50,558,904	0.3000%	\$151,677	US Bank	DAILY	0.07%	\$35,000	US BANK						
SERIES 2009 - B	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$50,000,000	B of A	04/01/11	04/21/25	Aa2/VMIG 1	A/A-1	A1/F1+	\$50,558,904	0.2800%	\$141,565	Goldman	DAILY	0.10%	\$50,000	US BANK						
					<b>\$349,430,000</b>	<b>\$235,300,000</b>	<b>SUB-TOTAL VARIABLE RATE DEBT</b>										<b>\$166,034,411</b>		<b>0.2977%</b>		<b>\$494,232</b>		<b>0.10%</b>		<b>\$225,825</b>	
																	(Wt. Avg)				(Wt. Avg)					
<b>FIXED RATE ISSUES</b>																										
2010 GO Build America Taxable Bonds	12/16/10	05/01/40	May (2025)	May/Nov	\$175,000,000	\$175,000,000	N/A	N/A	N/A	Aa1	AAA	NR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	US BANK						
2016 COPS	09/01/16	03/01/46	Mar 1	Mar/Sept	\$116,745,000	\$109,650,000	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	US BANK						
SERIES 2016	10/12/16	02/01/46	Feb 1	Feb/Aug	\$103,400,000	\$101,245,000	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BANK OF NY						
					<b>\$395,145,000</b>	<b>\$385,895,000</b>	<b>SUB-TOTAL FIXED RATE DEBT</b>																			
					<b>\$744,575,000</b>	<b>\$621,195,000</b>	<b>TOTAL- FIXED &amp; VARIABLE RATE DEBT</b>																			

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

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



SUMMARY OF DEBT RATES

Aug-22

Rmkt Agent Mode	GOLDMAN DAILY	GOLDMAN WEEKLY	GOLDMAN WEEKLY	MERRILL LYNCH DAILY	MERRILL LYNCH WEEKLY	US BANK DAILY
Bond Issue	2009 - B	2011 A-1	2011 A-2	1993	2008-A	2009-A
Par Amount	50,000,000	42,780,000	28,520,000	23,000,000	41,000,000	50,000,000
LOC Bank	BOFA	(SIFMA + 6)	(SIFMA + 6)	US BANK	Sumitomo	US BANK
Reset		Wednesday	Wednesday		Wednesday	
8/1/2022	1.42%	1.39%	1.39%	1.55%	1.10%	1.55%
8/2/2022	1.40%	1.39%	1.39%	1.47%	1.10%	1.45%
8/3/2022	1.40%	1.39%	1.39%	1.44%	1.10%	1.40%
8/4/2022	1.45%	1.74%	1.74%	1.55%	1.56%	1.40%
8/5/2022	1.50%	1.74%	1.74%	1.52%	1.56%	1.50%
8/6/2022	1.50%	1.74%	1.74%	1.52%	1.56%	1.50%
8/7/2022	1.50%	1.74%	1.74%	1.52%	1.56%	1.50%
8/8/2022	1.47%	1.74%	1.74%	1.50%	1.56%	1.50%
8/9/2022	1.42%	1.74%	1.74%	1.48%	1.56%	1.50%
8/10/2022	1.42%	1.74%	1.74%	1.46%	1.56%	1.47%
8/11/2022	1.45%	1.89%	1.89%	1.46%	1.69%	1.47%
8/12/2022	1.45%	1.89%	1.89%	1.48%	1.69%	1.50%
8/13/2022	1.45%	1.89%	1.89%	1.48%	1.69%	1.50%
8/14/2022	1.45%	1.89%	1.89%	1.48%	1.69%	1.50%
8/15/2022	1.42%	1.89%	1.89%	1.48%	1.69%	1.50%
8/16/2022	1.37%	1.89%	1.89%	1.45%	1.69%	1.43%
8/17/2022	1.32%	1.89%	1.89%	1.36%	1.69%	1.38%
8/18/2022	1.26%	1.85%	1.85%	1.34%	1.58%	1.32%
8/19/2022	1.21%	1.85%	1.85%	1.27%	1.58%	1.27%
8/20/2022	1.21%	1.85%	1.85%	1.27%	1.58%	1.27%
8/21/2022	1.21%	1.85%	1.85%	1.27%	1.58%	1.27%
8/22/2022	1.18%	1.85%	1.85%	1.18%	1.58%	1.25%
8/23/2022	1.10%	1.85%	1.85%	1.12%	1.58%	1.20%
8/24/2022	1.05%	1.85%	1.85%	1.07%	1.58%	1.15%
8/25/2022	1.00%	1.73%	1.73%	1.01%	1.44%	1.10%
8/26/2022	0.95%	1.73%	1.73%	0.96%	1.44%	1.05%
8/27/2022	0.95%	1.73%	1.73%	0.96%	1.44%	1.05%
8/28/2022	0.95%	1.73%	1.73%	0.96%	1.44%	1.05%
8/29/2022	0.90%	1.73%	1.73%	0.98%	1.44%	1.00%
8/30/2022	0.87%	1.73%	1.73%	0.82%	1.44%	1.00%
8/31/2022	0.77%	1.73%	1.73%	0.78%	1.44%	0.95%
Avg Interest Rates	1.26%	1.76%	1.76%	1.30%	1.52%	1.32%
Rmkt Fee	0.10%	0.13%	0.13%	0.10%	0.07%	0.07%
LOC Fee	0.28%			0.30%	0.32%	0.30%
<b>All-In Rate</b>	<b>1.64%</b>	<b>1.89%</b>	<b>1.89%</b>	<b>1.70%</b>	<b>1.91%</b>	<b>1.69%</b>
Par Amount	92,780,000		28,520,000	64,000,000		50,000,000

Interest Rate Mode	Percent of Total Variable Rate Debt	Par Outstanding	Weighted All-In Average Rate	Base Rate Average
Daily	52.27%	123,000,000	1.67%	1.29%
Weekly	47.73%	112,300,000	1.89%	1.67%
	100.00%	<b>\$ 235,300,000</b>	1.78%	1.47%
<b>Fixed</b>				
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%	<b>\$ 385,895,000</b>	3.71%	
All-In Debt Rate Including \$60 Million Notional Amount of Swaps				<b>3.33%</b>

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

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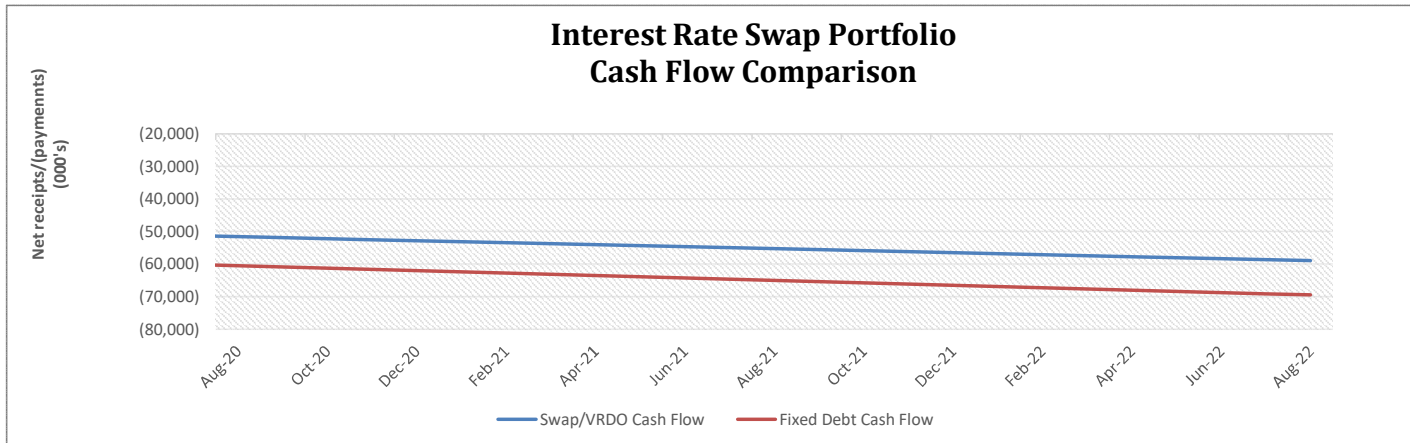
Exhibit "C"  
**Irvine Ranch Water District**  
**Interest Rate Swap Summary**  
**August 2022**

	Prior Mo.	Current Mo.	12-Mo Avg
LIBOR Avg %	1.64%	2.41%	0.68%

Current Fiscal Year Active Swaps								Cash Flow				Mark to Market	
Effective Date	Maturity Date	Years to Maturity	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Prior Month	Current Month	Fiscal YTD	Cumulative Net Accrual	Current Mark to Market	Notional Difference
<b>Fixed Payer Swaps - By Effective Date</b>													
3/10/2007	3/10/2029	6.5	ML	30,000,000	FXP	LIBOR	5.687%	(97,796)	(91,132)	(188,928)	(21,571,492)	25,473,107	(4,526,893)
3/10/2007	3/10/2029	6.5	CG	30,000,000	FXP	LIBOR	5.687%	(97,796)	(91,132)	(188,928)	(21,571,492)	25,468,574	(4,531,426)
Totals/Weighted Avgs				6.5	\$ 60,000,000		5.687%	\$ (195,592)	\$ (182,264)	\$ (377,856)	\$ (43,142,983)	\$ 50,941,681	\$ (9,058,319)
Total Current Year Active Swaps				\$ 60,000,000				\$ (195,592)	\$ (182,264)	\$ (377,856)	\$ (43,142,983)	\$ 50,941,681	\$ (9,058,319)

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

Current Fiscal Year - Total Swaps								Cash Flow				Mark to Market	
								Prior Month	Current Month	Fiscal YTD	Cumulative Net Accrual	Current Mark to Market	Notional Difference
Total Current Year Active & Terminated Swaps				\$ 60,000,000				\$ (195,592)	\$ (182,264)	\$ (377,856)	\$ (43,142,983)	\$ 50,941,681	\$ (9,058,319)



Cash Flow Comparison	
Synthetic Fixed vs. Fixed Rate Debt	
Cash Flow to Date	
Synthetic Fixed =	\$58,912,935
Fixed Rate =	\$69,461,493
<b>Assumptions:</b>	
- Fixed rate debt issued at 4.93% in Mar-07 (estimated TE rate - Bloomberg)	
- 'Synthetic' includes swap cash flow + interest + fees to date	

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## Exhibit "D"

### IRVINE RANCH WATER DISTRICT

#### AP DISBURSEMENTS AND VOIDS FOR AUGUST 2022

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
429431	4-Aug-22	Compton, Christine A	88.54	IRWD Check	Reconciled
429432	4-Aug-22	Lindsay, Marina D	98.50	IRWD Check	Reconciled
429433	4-Aug-22	Nash, Joel	50.63	IRWD Check	Reconciled
429434	4-Aug-22	CONSTELLATION NEWENERGY, INC.	3,945.58	IRWD Check	Reconciled
429435	4-Aug-22	A&A WIPING CLOTH CO	1,939.50	IRWD Check	Reconciled
429436	4-Aug-22	ABM INDUSTRY GROUPS, LLC	23,240.10	IRWD Check	Reconciled
429437	4-Aug-22	ABSOLUTE STANDARDS, INC.	312.50	IRWD Check	Reconciled
429438	4-Aug-22	ACCUSOURCE, INC.	388.06	IRWD Check	Reconciled
429439	4-Aug-22	AECOM TECHNICAL SERVICES, INC.	22,507.44	IRWD Check	Reconciled
429440	4-Aug-22	AFLAC	3,131.13	IRWD Check	Reconciled
429441	4-Aug-22	AGILENT TECHNOLOGIES, INC.	1,235.46	IRWD Check	Reconciled
429442	4-Aug-22	AM CONSERVATION GROUP, INC.	36.07	IRWD Check	Reconciled
429443	4-Aug-22	AMAYA SOLUTIONS INC.	7,729.88	IRWD Check	Reconciled
429444	4-Aug-22	AMAZON CAPITAL SERVICES, INC.	13,595.14	IRWD Check	Reconciled
429445	4-Aug-22	AMERICAN GEOTECHNICAL, INC.	5,358.75	IRWD Check	Reconciled
429446	4-Aug-22	AMETEK BROOKFIELD	1,887.33	IRWD Check	Reconciled
429447	4-Aug-22	AMWINS GROUP BENEFITS LLC	5,443.65	IRWD Check	Reconciled
429448	4-Aug-22	ANDERSON, SHIRLY	57.70	IRWD Check	Negotiable
429449	4-Aug-22	AQUA-METRIC SALES COMPANY	6,084.80	IRWD Check	Reconciled
429450	4-Aug-22	ARDURRA GROUP, INC.	47,080.00	IRWD Check	Reconciled
429451	4-Aug-22	ARMORCAST PRODUCTS COMPANY	46,550.87	IRWD Check	Reconciled
429452	4-Aug-22	ASSURED FLOW SALES INC	386.42	IRWD Check	Reconciled
429453	4-Aug-22	AT&T	105.00	IRWD Check	Reconciled
429454	4-Aug-22	AT&T	5,314.82	IRWD Check	Reconciled
429455	4-Aug-22	AT&T	121.49	IRWD Check	Reconciled
429456	4-Aug-22	AUSTIN HARDWOODS, INC	310.76	IRWD Check	Reconciled
429457	4-Aug-22	AUTOZONE PARTS, INC.	250.45	IRWD Check	Reconciled
429458	4-Aug-22	AVIAT U.S., INC	1,099.00	IRWD Check	Reconciled
429459	4-Aug-22	BAYER, OLIVIA	30.33	IRWD Check	Reconciled
429460	4-Aug-22	BIGWIG MONSTER, LLC	73,320.00	IRWD Check	Reconciled
429461	4-Aug-22	BIOMAGIC INC	7,241.46	IRWD Check	Reconciled
429462	4-Aug-22	BRENNTAG PACIFIC INC	5,778.18	IRWD Check	Reconciled
429463	4-Aug-22	C WELLS PIPELINE MATERIALS INC	1,414.76	IRWD Check	Reconciled
429464	4-Aug-22	CALIFORNIA INVASIVE PLANT COUNCIL	1,000.00	IRWD Check	Reconciled
429465	4-Aug-22	CANON SOLUTIONS AMERICA, INC.	1,956.04	IRWD Check	Reconciled
429466	4-Aug-22	CAPTIVE AUDIENCE MARKETING INC.	79.00	IRWD Check	Reconciled
429467	4-Aug-22	CDW GOVERNMENT LLC	12,286.69	IRWD Check	Reconciled
429468	4-Aug-22	CHARLES P CROWLEY COMPANY INC	2,040.58	IRWD Check	Reconciled
429469	4-Aug-22	CHEM TECH INTERNATIONAL INC	31,165.47	IRWD Check	Reconciled
429470	4-Aug-22	CHENG, KIMBERLY	35.50	IRWD Check	Negotiable
429471	4-Aug-22	CHOI, GLORIA	135.06	IRWD Check	Reconciled
429472	4-Aug-22	CHRISTIANSEN, TAYLOR	119.26	IRWD Check	Reconciled
429473	4-Aug-22	CITY OF IRVINE	2,000.00	IRWD Check	Reconciled
429474	4-Aug-22	CITY OF SANTA ANA	287,461.66	IRWD Check	Reconciled
429475	4-Aug-22	CLARKE MOSQUITO CONTROL PRODUCTS, INC.	2,194.48	IRWD Check	Reconciled
429476	4-Aug-22	CLEAN ENERGY	6,701.75	IRWD Check	Reconciled
429477	4-Aug-22	COASTAL OCCUPATIONAL MEDICAL GROUP, INC.	85.00	IRWD Check	Reconciled
429478	4-Aug-22	COASTLINE EQUIPMENT COMPANY	78.35	IRWD Check	Reconciled
429479	4-Aug-22	COLONIAL LIFE & ACCIDENT INSURANCE CO.	979.47	IRWD Check	Reconciled
429480	4-Aug-22	COMMERCIAL DOOR OF ORANGE COUNTY, INC.	1,514.87	IRWD Check	Reconciled
429481	4-Aug-22	CONSERV CONSTRUCTION INC.	3,677.50	IRWD Check	Reconciled
429482	4-Aug-22	CONSTELLATION NEWENERGY, INC.	395,791.80	IRWD Check	Reconciled
429483	4-Aug-22	COX COMMUNICATIONS, INC.	124.47	IRWD Check	Reconciled
429484	4-Aug-22	CRONIN, ALEX	40.01	IRWD Check	Reconciled
429485	4-Aug-22	CS-AMSCO	1,063.99	IRWD Check	Reconciled
429486	4-Aug-22	CSU FULLERTON AUXILIARY SERVICES CORPORATION	2,120.00	IRWD Check	Reconciled
429487	4-Aug-22	CURATIVE I.T. LLC	187.08	IRWD Check	Reconciled
429488	4-Aug-22	D & H WATER SYSTEMS INC.	5,269.35	IRWD Check	Reconciled
429489	4-Aug-22	DARMOUSSEH, LISA	14.26	IRWD Check	Reconciled
429490	4-Aug-22	DEMARIA ELECTRIC MOTOR SERVICES, INC.	36,813.45	IRWD Check	Reconciled
429491	4-Aug-22	DILYTICS INC	8,450.00	IRWD Check	Reconciled
429492	4-Aug-22	DIXIE L. MARLIN	6,200.00	IRWD Check	Reconciled

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

<b>CHECK OR ELECTRONIC #</b>	<b>PAYMENT DATE</b>	<b>SUPPLIERS</b>	<b>PAYMENT AMOUNT</b>	<b>PAYMENT METHOD</b>	<b>STATUS</b>
429493	4-Aug-22	DRAKE TRAFFIC CONTROL SERVICES INC	1,960.00	IRWD Check	Reconciled
429494	4-Aug-22	EAGLE PRINT DYNAMICS	5,874.90	IRWD Check	Reconciled
429495	4-Aug-22	EAST ORANGE COUNTY WATER DISTRICT	3,439.30	IRWD Check	Reconciled
429496	4-Aug-22	EHS INTERNATIONAL,INC	1,045.00	IRWD Check	Reconciled
429497	4-Aug-22	ELEMENT PARENT, INC.	3,844.21	IRWD Check	Reconciled
429498	4-Aug-22	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	2,756.25	IRWD Check	Reconciled
429499	4-Aug-22	FASTBLUE COMMUNICATIONS INC.	1,953.00	IRWD Check	Reconciled
429500	4-Aug-22	FERGUSON ENTERPRISES, LLC	26,739.77	IRWD Check	Reconciled
429501	4-Aug-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	6,603.51	IRWD Check	Reconciled
429502	4-Aug-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	85.52	IRWD Check	Reconciled
429503	4-Aug-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	858.00	IRWD Check	Reconciled
429504	4-Aug-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	171.73	IRWD Check	Reconciled
429505	4-Aug-22	FIRE EXTINGUISHING SAFETY & SERVICE	520.97	IRWD Check	Reconciled
429506	4-Aug-22	FIRST CHOICE SERVICES	5,008.70	IRWD Check	Reconciled
429507	4-Aug-22	FISHER SCIENTIFIC COMPANY LLC	4,354.26	IRWD Check	Reconciled
429508	4-Aug-22	FLEET SOLUTIONS LLC	5,507.94	IRWD Check	Reconciled
429509	4-Aug-22	FRONTIER CALIFORNIA INC.	312.63	IRWD Check	Reconciled
429510	4-Aug-22	GANAHL LUMBER CO.	2,726.08	IRWD Check	Reconciled
429511	4-Aug-22	GARY BALE REDI-MIX CONCRETE, INC.	1,043.02	IRWD Check	Reconciled
429512	4-Aug-22	GEIGER BROS	591.06	IRWD Check	Reconciled
429513	4-Aug-22	GRAINGER	9,224.23	IRWD Check	Reconciled
429514	4-Aug-22	GRAYBAR ELECTRIC COMPANY	9,723.13	IRWD Check	Reconciled
429515	4-Aug-22	GUIDA SURVEYING INC.	3,617.50	IRWD Check	Reconciled
429516	4-Aug-22	HAAKER EQUIPMENT COMPANY	1,912.07	IRWD Check	Reconciled
429517	4-Aug-22	HACH COMPANY	271.32	IRWD Check	Reconciled
429518	4-Aug-22	HANSON BRIDGETT LLP	63,340.45	IRWD Check	Reconciled
429519	4-Aug-22	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	76.32	IRWD Check	Reconciled
429520	4-Aug-22	HAZEN AND SAWYER	7,720.00	IRWD Check	Reconciled
429521	4-Aug-22	HDR ENGINEERING INC	40,899.91	IRWD Check	Reconciled
429522	4-Aug-22	HELPMATES STAFFING SERVICES LLC	15,655.04	IRWD Check	Reconciled
429523	4-Aug-22	HENSEL PHELPS CONSTRUCTION CO	1,145.25	IRWD Check	Reconciled
429524	4-Aug-22	HI-LINE INC	2,578.59	IRWD Check	Reconciled
429525	4-Aug-22	HILL BROTHERS CHEMICAL COMPANY	19,607.03	IRWD Check	Reconciled
429526	4-Aug-22	HOME DEPOT USA INC	948.25	IRWD Check	Reconciled
429527	4-Aug-22	HOWDEN USA COMPANY	1,092.59	IRWD Check	Reconciled
429528	4-Aug-22	HSG INC	2,010.00	IRWD Check	Reconciled
429529	4-Aug-22	INDUSTRIAL NETWORKING SOLUTIONS	9,982.12	IRWD Check	Reconciled
429530	4-Aug-22	IRVINE PACIFIC	322.75	IRWD Check	Reconciled
429531	4-Aug-22	IRVINE PIPE & SUPPLY INC	100.62	IRWD Check	Reconciled
429532	4-Aug-22	IRWD-PETTY CASH CUSTODIAN	1,072.74	IRWD Check	Reconciled
429533	4-Aug-22	JCI JONES CHEMICALS INC	10,098.25	IRWD Check	Reconciled
429534	4-Aug-22	JOSE MARTINEZ TREE SERVICE INC.	1,700.00	IRWD Check	Reconciled
429535	4-Aug-22	JWC ENVIRONMENTAL INC.	1,212.71	IRWD Check	Reconciled
429536	4-Aug-22	KELLY, SEAN	376.61	IRWD Check	Reconciled
429537	4-Aug-22	KIMBALL MIDWEST	934.60	IRWD Check	Reconciled
429538	4-Aug-22	LAGUNA BEACH COUNTY WATER DISTRICT	13,539.15	IRWD Check	Reconciled
429539	4-Aug-22	LANDCARE HOLDINGS, INC.	135,671.00	IRWD Check	Reconciled
429540	4-Aug-22	LAYTON CONSTRUCTION COMPANY, LLC	439.06	IRWD Check	Reconciled
429541	4-Aug-22	LEE, YUNSHIN	25.98	IRWD Check	Reconciled
429542	4-Aug-22	LINDE GAS & EQUIPMENT INC.	2,007.98	IRWD Check	Reconciled
429543	4-Aug-22	LINE-X OF SOUTH COAST	787.00	IRWD Check	Reconciled
429544	4-Aug-22	MATSUMOTO, SEIJI	26.12	IRWD Check	Negotiable
429545	4-Aug-22	MBC AQUATIC SCIENCES, INC.	1,400.00	IRWD Check	Reconciled
429546	4-Aug-22	MCR TECHNOLOGIES INC	2,532.00	IRWD Check	Reconciled
429548	4-Aug-22	MISSION COMMUNICATIONS, LLC	359.40	IRWD Check	Reconciled
429549	4-Aug-22	MR CRANE INC	4,004.00	IRWD Check	Reconciled
429550	4-Aug-22	MRO ELECTRIC & SUPPLY CO.	2,134.00	IRWD Check	Reconciled
429551	4-Aug-22	MSDSOONLINE, INC.	6,077.96	IRWD Check	Reconciled
429552	4-Aug-22	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	1,429,886.10	IRWD Check	Reconciled
429553	4-Aug-22	NCL OF WISCONSIN INC	698.76	IRWD Check	Reconciled
429554	4-Aug-22	NEWAGE INDUSTRIES INC	259.78	IRWD Check	Reconciled
429555	4-Aug-22	NGUYEN, JORDAN	30.02	IRWD Check	Negotiable

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

<b>CHECK OR ELECTRONIC #</b>	<b>PAYMENT DATE</b>	<b>SUPPLIERS</b>	<b>PAYMENT AMOUNT</b>	<b>PAYMENT METHOD</b>	<b>STATUS</b>
429556	4-Aug-22	NINYO & MOORE	15,004.75	IRWD Check	Reconciled
429557	4-Aug-22	NOV PROCESS & FLOW TECHNOLOGIES US, INC.	1,690.27	IRWD Check	Reconciled
429558	4-Aug-22	O'REILLY AUTO ENTERPRISES, LLC	8.17	IRWD Check	Reconciled
429559	4-Aug-22	O.C. SUPERIOR CUSTOM CLEANING	3,600.00	IRWD Check	Reconciled
429560	4-Aug-22	OLIN CORPORATION	44,207.52	IRWD Check	Reconciled
429561	4-Aug-22	ONESOURCE DISTRIBUTORS LLC	1,266.16	IRWD Check	Reconciled
429562	4-Aug-22	ORANGE COUNTY AUTO PARTS CO	246.73	IRWD Check	Reconciled
429563	4-Aug-22	ORANGE COUNTY CURRENT AFFAIRS FORUM	1,000.00	IRWD Check	Reconciled
429564	4-Aug-22	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT	3,219.77	IRWD Check	Reconciled
429565	4-Aug-22	ORANGE COUNTY SANITATION DISTRICT	3,170.00	IRWD Check	Reconciled
429566	4-Aug-22	ORANGE LINE OIL COMPANY	653.73	IRWD Check	Reconciled
429567	4-Aug-22	PACIFIC PARTS & CONTROLS INC	4,658.94	IRWD Check	Reconciled
429568	4-Aug-22	PAPER DEPOT DOCUMENT DESTRUCTION LLC	334.00	IRWD Check	Reconciled
429569	4-Aug-22	PAULUS ENGINEERING, INC.	547,647.00	IRWD Check	Reconciled
429570	4-Aug-22	POLYDYNE INC	56,503.24	IRWD Check	Reconciled
429571	4-Aug-22	PRIME CONTROLS COMPANY INC	4,251.14	IRWD Check	Reconciled
429572	4-Aug-22	QUIEL, FRED	51.48	IRWD Check	Negotiable
429573	4-Aug-22	RAM AIR ENGINEERING INC	6,453.11	IRWD Check	Reconciled
429574	4-Aug-22	REFRIGERATION SUPPLIES DISTRIBUTOR	449.43	IRWD Check	Reconciled
429575	4-Aug-22	RICHARD C. SLADE & ASSOCIATES LLC	9,440.25	IRWD Check	Reconciled
429576	4-Aug-22	RODNEY HARMSWORTH ASSOCIATES, INC.	1,460.00	IRWD Check	Reconciled
429577	4-Aug-22	ROSEDALE - RIO BRAVO WATER STORAGE DISTRICT	30,410.34	IRWD Check	Reconciled
429578	4-Aug-22	SAF-T-FLO WATER SERVICES, INC.	3,467.68	IRWD Check	Reconciled
429579	4-Aug-22	SAFETY-KLEEN SYSTEMS, INC	340.00	IRWD Check	Reconciled
429580	4-Aug-22	SANTA MARGARITA FORD	226.76	IRWD Check	Reconciled
429581	4-Aug-22	SANTA ROSA APARTMENTS	14,208.80	IRWD Check	Reconciled
429582	4-Aug-22	SCHINDLER ELEVATOR CORPORATION	258.15	IRWD Check	Reconciled
429583	4-Aug-22	SCHULER CONSTRUCTORS, INC.	100,000.00	IRWD Check	Reconciled
429584	4-Aug-22	SCOTT FOSTER ENGINEERING, INC.	4,680.00	IRWD Check	Reconciled
429585	4-Aug-22	SEAL ANALYTICAL INC	14,183.16	IRWD Check	Reconciled
429586	4-Aug-22	SHAMROCK SUPPLY CO INC	254.50	IRWD Check	Reconciled
429587	4-Aug-22	SIGNATURE FLOORING, INC	3,199.64	IRWD Check	Reconciled
429588	4-Aug-22	SMITH SYSTEM DRIVER IMPROVEMENT INSTITUTE, INC.	4,601.25	IRWD Check	Reconciled
429589	4-Aug-22	SNYDER LANGSTON L.P.	902.48	IRWD Check	Reconciled
429590	4-Aug-22	SONG, MYOUNG YOUP	126.01	IRWD Check	Negotiable
429591	4-Aug-22	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	6,969.38	IRWD Check	Reconciled
429592	4-Aug-22	SOUTH COAST WATER CO.	95.00	IRWD Check	Reconciled
429593	4-Aug-22	SOUTHERN CALIFORNIA EDISON COMPANY	399.94	IRWD Check	Reconciled
429594	4-Aug-22	SOUTHERN CALIFORNIA EDISON COMPANY	60,579.76	IRWD Check	Reconciled
429595	4-Aug-22	SS MECHANICAL CONSTRUCTION CORP	43,353.88	IRWD Check	Reconciled
429596	4-Aug-22	STREAKWAVE WIRELESS, INC.	2,042.57	IRWD Check	Reconciled
429597	4-Aug-22	SUSTAIN SOCAL	2,100.00	IRWD Check	Reconciled
429598	4-Aug-22	TAIT ENVIRONMENTAL SERVICES, INC.	420.00	IRWD Check	Reconciled
429599	4-Aug-22	TANG, JIE	789.21	IRWD Check	Reconciled
429600	4-Aug-22	TANKVISIONS, INC	30.00	IRWD Check	Reconciled
429601	4-Aug-22	TELEDYNE INSTRUMENTS, INC.	8,143.00	IRWD Check	Reconciled
429602	4-Aug-22	TETRA TECH, INC	7,670.70	IRWD Check	Reconciled
429603	4-Aug-22	THE R.J NOBEL COMPANY	1,014.86	IRWD Check	Reconciled
429604	4-Aug-22	THOMPSON & PHIPPS INC	4,824.36	IRWD Check	Reconciled
429605	4-Aug-22	TIMOTHY W. HOGAN	6,834.78	IRWD Check	Reconciled
429606	4-Aug-22	TK ELEVATOR CORPORATION	64,222.69	IRWD Check	Reconciled
429607	4-Aug-22	TRAFFIC MANAGEMENT, INC	7,126.50	IRWD Check	Reconciled
429608	4-Aug-22	U.S. VENTURE, INC	96.82	IRWD Check	Reconciled
429609	4-Aug-22	UNITED PARCEL SERVICE INC	36.00	IRWD Check	Reconciled
429610	4-Aug-22	UNIVAR SOLUTIONS USA INC.	24,908.00	IRWD Check	Reconciled
429611	4-Aug-22	VAUGHAN'S INDUSTRIAL REPAIR CO INC	9,203.54	IRWD Check	Reconciled
429612	4-Aug-22	VEOLIA NORTH AMERICA, INC.	3,326.16	IRWD Check	Reconciled
429613	4-Aug-22	VERIZON WIRELESS SERVICES LLC	10,087.47	IRWD Check	Reconciled
429614	4-Aug-22	VERTECH INDUSTRIAL SYSTEMS, LLC	11,273.75	IRWD Check	Reconciled
429615	4-Aug-22	VWR INTERNATIONAL, LLC	557.99	IRWD Check	Reconciled
429617	4-Aug-22	WARMINGTON HOMES	55.71	IRWD Check	Negotiable
429618	4-Aug-22	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	4,779.95	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT  
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<b>CHECK OR ELECTRONIC #</b>	<b>PAYMENT DATE</b>	<b>SUPPLIERS</b>	<b>PAYMENT AMOUNT</b>	<b>PAYMENT METHOD</b>	<b>STATUS</b>
429619	4-Aug-22	WAXIE'S ENTERPRISES, INC	1,651.23	IRWD Check	Reconciled
429620	4-Aug-22	WECK LABORATORIES INC	2,205.00	IRWD Check	Reconciled
429621	4-Aug-22	WEST COAST SAFETY SUPPLY INC	2,952.10	IRWD Check	Reconciled
429622	4-Aug-22	WIRELESS WATCHDOGS, LLC	2,564.00	IRWD Check	Reconciled
429623	4-Aug-22	JCI JONES CHEMICALS INC	4,628.35	IRWD Check	Reconciled
429624	11-Aug-22	Arana, Michael A	499.00	IRWD Check	Reconciled
429625	11-Aug-22	Davis, Jennifer R (Jennifer)	240.05	IRWD Check	Reconciled
429626	11-Aug-22	LaMar, Steven E	1,375.78	IRWD Check	Reconciled
429627	11-Aug-22	Pilgrim, Jason S	80.00	IRWD Check	Reconciled
429628	11-Aug-22	Reinhart, Douglas J	669.47	IRWD Check	Reconciled
429629	11-Aug-22	Swan, Peer	4,591.05	IRWD Check	Negotiable
429630	11-Aug-22	Withers, John B	540.78	IRWD Check	Reconciled
429631	11-Aug-22	8X8 INC	10,610.52	IRWD Check	Reconciled
429632	11-Aug-22	ABC ICE, INC	965.15	IRWD Check	Reconciled
429633	11-Aug-22	ABC LIOVON DRILING, INC.	1,594.31	IRWD Check	Reconciled
429634	11-Aug-22	ABSOLUTE STANDARDS, INC.	312.50	IRWD Check	Reconciled
429635	11-Aug-22	ACI	2,084.88	IRWD Check	Reconciled
429636	11-Aug-22	AGILENT TECHNOLOGIES, INC.	20,463.04	IRWD Check	Reconciled
429637	11-Aug-22	ALEXANDER'S CONTRACT SERVICES, INC.	132,260.24	IRWD Check	Reconciled
429638	11-Aug-22	AMAZON CAPITAL SERVICES, INC.	846.94	IRWD Check	Reconciled
429639	11-Aug-22	ANDRITZ SEPARATION, INC.	7,381.44	IRWD Check	Reconciled
429640	11-Aug-22	AT&T	1,127.18	IRWD Check	Reconciled
429641	11-Aug-22	AT&T	1,690.90	IRWD Check	Reconciled
429642	11-Aug-22	ATHENS SERVICES	5,274.66	IRWD Check	Reconciled
429643	11-Aug-22	AUTOZONE PARTS, INC.	199.07	IRWD Check	Reconciled
429644	11-Aug-22	BANK OF AMERICA	17,781.51	IRWD Check	Reconciled
429645	11-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	4,884.00	IRWD Check	Reconciled
429646	11-Aug-22	BARTEL ASSOCIATES, LLC	6,000.00	IRWD Check	Reconciled
429647	11-Aug-22	BRENNTAG PACIFIC INC	65,805.09	IRWD Check	Reconciled
429648	11-Aug-22	BROWN AND CALDWELL	2,816.35	IRWD Check	Reconciled
429649	11-Aug-22	CALIFORNIA BARRICADE RENTAL, INC.	9,926.00	IRWD Check	Reconciled
429650	11-Aug-22	CALIFORNIA STATE UNIVERSITY, FULLERTON	3,136.00	IRWD Check	Reconciled
429651	11-Aug-22	CASEY, FRANCIS	23.17	IRWD Check	Reconciled
429652	11-Aug-22	CDW GOVERNMENT LLC	11,706.25	IRWD Check	Reconciled
429653	11-Aug-22	CERVERO, ANTHONY	127.61	IRWD Check	Reconciled
429654	11-Aug-22	CHAIREL CUSTOM HAY, INC.	8,932.52	IRWD Check	Reconciled
429655	11-Aug-22	CHEM TECH INTERNATIONAL INC	12,511.74	IRWD Check	Reconciled
429656	11-Aug-22	CHO DESIGN ASSOCIATES, INC	3,200.00	IRWD Check	Negotiable
429657	11-Aug-22	CITY OF TUSTIN	1,206.37	IRWD Check	Reconciled
429658	11-Aug-22	COMMERCIAL TRANSPORTATION SERVICES, INC	4,991.16	IRWD Check	Reconciled
429659	11-Aug-22	CONSTELLATION NEWENERGY, INC.	87,520.50	IRWD Check	Reconciled
429660	11-Aug-22	CORELOGIC INC	14.48	IRWD Check	Reconciled
429661	11-Aug-22	COX COMMUNICATIONS, INC.	279.72	IRWD Check	Reconciled
429662	11-Aug-22	D & H WATER SYSTEMS INC.	1,076.07	IRWD Check	Reconciled
429663	11-Aug-22	DCS MANAGEMENT LLC	80.36	IRWD Check	Reconciled
429664	11-Aug-22	DEAN ALLAN VOTAVA	1,750.00	IRWD Check	Reconciled
429665	11-Aug-22	DEX MEDIA, INC.	41.00	IRWD Check	Reconciled
429666	11-Aug-22	DG INVESTMENT INTERMEDIATE HOLDINGS 2, INC.	29,978.66	IRWD Check	Reconciled
429667	11-Aug-22	DISCOVERY SCIENCE CENTER OF ORANGE COUNTY	66,400.00	IRWD Check	Reconciled
429668	11-Aug-22	DRAKE TRAFFIC CONTROL SERVICES INC	17,217.50	IRWD Check	Reconciled
429669	11-Aug-22	DXP ENTERPRISES, INC.	1,683.06	IRWD Check	Reconciled
429670	11-Aug-22	E.J. MEYER COMPANY, INC.	641,904.98	IRWD Check	Reconciled
429671	11-Aug-22	ELITE EQUIPMENT, INC.	561.85	IRWD Check	Reconciled
429672	11-Aug-22	EMD MILLIPORE CORP.	7,211.30	IRWD Check	Reconciled
429673	11-Aug-22	ENVIRONMENTAL EXPRESS INC	4,151.45	IRWD Check	Reconciled
429674	11-Aug-22	ENVIRONMENTAL RESOURCE ASSOCIATES	941.29	IRWD Check	Reconciled
429675	11-Aug-22	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	2,215.50	IRWD Check	Reconciled
429676	11-Aug-22	EXECUTIVE LIGHTING & ELECTRIC	1,714.46	IRWD Check	Reconciled
429677	11-Aug-22	FEDEX	400.05	IRWD Check	Reconciled
429678	11-Aug-22	FIRERESQ, INCORPORATED	363.77	IRWD Check	Reconciled
429679	11-Aug-22	FISHER SCIENTIFIC COMPANY LLC	5,310.63	IRWD Check	Reconciled
429680	11-Aug-22	FLW, INC.	938.80	IRWD Check	Reconciled



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429681	11-Aug-22	FOUGHT, CYNTHIA J.	3,458.65	IRWD Check	Reconciled
429682	11-Aug-22	FRONTIER CALIFORNIA INC.	59.29	IRWD Check	Reconciled
429683	11-Aug-22	GANNETT FLEMING, INC.	477.00	IRWD Check	Reconciled
429684	11-Aug-22	GARY BALE REDI-MIX CONCRETE, INC.	1,010.70	IRWD Check	Reconciled
429685	11-Aug-22	GFS CHEMICALS, INC.	389.78	IRWD Check	Reconciled
429686	11-Aug-22	GRAINGER	2,269.52	IRWD Check	Reconciled
429687	11-Aug-22	HAAKER EQUIPMENT COMPANY	265.49	IRWD Check	Reconciled
429688	11-Aug-22	HACH COMPANY	3,412.28	IRWD Check	Reconciled
429689	11-Aug-22	HARPER & ASSOCIATES ENGINEERING INC	950.00	IRWD Check	Reconciled
429690	11-Aug-22	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	50.88	IRWD Check	Reconciled
429691	11-Aug-22	HATHAWAY DINWIDDIE	1,395.33	IRWD Check	Reconciled
429692	11-Aug-22	HDR ENGINEERING INC	3,220.00	IRWD Check	Reconciled
429693	11-Aug-22	HELPMATES STAFFING SERVICES LLC	5,385.90	IRWD Check	Reconciled
429694	11-Aug-22	HENSEL PHELPS CONSTRUCTION CO	1,469.07	IRWD Check	Reconciled
429695	11-Aug-22	HI-LINE INC	1,524.42	IRWD Check	Reconciled
429696	11-Aug-22	HILL BROTHERS CHEMICAL COMPANY	7,841.42	IRWD Check	Reconciled
429697	11-Aug-22	HOME DEPOT USA INC	979.13	IRWD Check	Reconciled
429698	11-Aug-22	HOWDEN USA COMPANY	19,717.59	IRWD Check	Reconciled
429699	11-Aug-22	IMPERIAL SPRINKLER SUPPLY, INC.	386.28	IRWD Check	Reconciled
429700	11-Aug-22	INDUSTRIAL METAL SUPPLY CO	81.19	IRWD Check	Reconciled
429701	11-Aug-22	INNOVATIVE MACHINE TOOL REPAIR LLC	767.59	IRWD Check	Reconciled
429702	11-Aug-22	INNOVYZE INC	27,960.00	IRWD Check	Reconciled
429703	11-Aug-22	IRVINE COMMUNITY DEVELOPMENT COMPANY LLC	137,977.79	IRWD Check	Reconciled
429704	11-Aug-22	IRVINE PACIFIC	342.25	IRWD Check	Reconciled
429705	11-Aug-22	IRVINE PIPE & SUPPLY INC	3,611.20	IRWD Check	Reconciled
429706	11-Aug-22	IRWD-PETTY CASH CUSTODIAN	934.78	IRWD Check	Reconciled
429707	11-Aug-22	JOHNSON-FRANK & ASSOCIATES, INC.	600.00	IRWD Check	Reconciled
429708	11-Aug-22	JWC ENVIRONMENTAL INC.	5,604.76	IRWD Check	Reconciled
429709	11-Aug-22	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES	3,900.00	IRWD Check	Reconciled
429710	11-Aug-22	LABWORKS, LLC	46,847.00	IRWD Check	Reconciled
429711	11-Aug-22	LANDCARE HOLDINGS, INC.	48,671.90	IRWD Check	Reconciled
429712	11-Aug-22	LINDE GAS & EQUIPMENT INC.	7,362.41	IRWD Check	Reconciled
429713	11-Aug-22	LINDSAY POLIC CONSULTING, INC.	5,100.00	IRWD Check	Reconciled
429714	11-Aug-22	MC FADDEN-DALE INDUSTRIAL	158.33	IRWD Check	Reconciled
429715	11-Aug-22	MC MASTER CARR SUPPLY CO	11,887.83	IRWD Check	Reconciled
429716	11-Aug-22	MERRIMAC PETROLEUM, INC.	34,051.53	IRWD Check	Reconciled
429717	11-Aug-22	MICROSOFT CORPORATION	24.00	IRWD Check	Reconciled
429718	11-Aug-22	MODERN WATER INC	1,403.31	IRWD Check	Reconciled
429719	11-Aug-22	MOODY'S INVESTORS SERVICE INC	2,400.00	IRWD Check	Reconciled
429720	11-Aug-22	MSC INDUSTRIAL SUPPLY CO	2,194.38	IRWD Check	Reconciled
429721	11-Aug-22	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	3,749.11	IRWD Check	Reconciled
429722	11-Aug-22	NATURES IMAGE INC	7,300.00	IRWD Check	Reconciled
429723	11-Aug-22	NEW DIMENSION GENERAL CONSTRUCTION	6,702.04	IRWD Check	Reconciled
429724	11-Aug-22	NORTHWOOD PLACE APTS	42.94	IRWD Check	Reconciled
429725	11-Aug-22	OLIN CORPORATION	44,691.61	IRWD Check	Reconciled
429726	11-Aug-22	ORANGE COUNTY AUTO PARTS CO	755.35	IRWD Check	Reconciled
429727	11-Aug-22	ORANGE COUNTY SANITATION DISTRICT	240.00	IRWD Check	Reconciled
429728	11-Aug-22	ORCHARD HILLS APARTMENTS	139.27	IRWD Check	Reconciled
429729	11-Aug-22	PACIFIC COAST BOLT CORP	5,723.95	IRWD Check	Reconciled
429730	11-Aug-22	PACIFIC HYDROTECH CORPORATION	639,961.60	IRWD Check	Reconciled
429731	11-Aug-22	PACIFIC HYDROTECH CORPORATION	33,682.19	IRWD Check	Reconciled
429732	11-Aug-22	PALMERAS APARTMENTS	1,025.44	IRWD Check	Reconciled
429733	11-Aug-22	PARKHOUSE TIRE INC	744.74	IRWD Check	Reconciled
429734	11-Aug-22	PAULUS ENGINEERING, INC.	50,356.00	IRWD Check	Reconciled
429735	11-Aug-22	PAYMENTUS CORPORATION	68,210.74	IRWD Check	Reconciled
429736	11-Aug-22	PENN ARCHIVE SERVICES	86.57	IRWD Check	Reconciled
429737	11-Aug-22	PROJECT PARTNERS LLC	12,700.00	IRWD Check	Reconciled
429739	11-Aug-22	RAM AIR ENGINEERING INC	8,736.17	IRWD Check	Reconciled
429740	11-Aug-22	RED WING SHOE STORE	799.01	IRWD Check	Reconciled
429741	11-Aug-22	RINCON TRUCK CENTER INC.	222.91	IRWD Check	Reconciled
429742	11-Aug-22	RLG ENTERPRISES, INC	3,659.19	IRWD Check	Reconciled
429743	11-Aug-22	SAFAEI, AMIR	30.29	IRWD Check	Reconciled

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429744	11-Aug-22	SANTA MARGARITA FORD	72.58	IRWD Check	Reconciled
429745	11-Aug-22	SANTA MARGARITA FORD	283.25	IRWD Check	Reconciled
429746	11-Aug-22	SECURITAS SECURITY SERVICES USA, INC.	83,488.17	IRWD Check	Reconciled
429747	11-Aug-22	SERRANO WATER DISTRICT	12,673.29	IRWD Check	Reconciled
429748	11-Aug-22	SHOETERIA	135.75	IRWD Check	Reconciled
429749	11-Aug-22	SJD&B, INC.	1,573.08	IRWD Check	Reconciled
429750	11-Aug-22	SMITH SYSTEM DRIVER IMPROVEMENT INSTITUTE, INC.	4,615.24	IRWD Check	Reconciled
429751	11-Aug-22	SOUTH COAST WATER DISTRICT	977.75	IRWD Check	Reconciled
429752	11-Aug-22	SOUTHERN CALIFORNIA EDISON COMPANY	771,042.29	IRWD Check	Reconciled
429753	11-Aug-22	SOUTHERN CALIFORNIA GAS COMPANY	4,245.87	IRWD Check	Reconciled
429754	11-Aug-22	SPARK HIRE, INC.	2,389.00	IRWD Check	Reconciled
429755	11-Aug-22	SPIRAC (USA) INC	23,971.79	IRWD Check	Reconciled
429756	11-Aug-22	STEVEN WELCH	440.00	IRWD Check	Reconciled
429757	11-Aug-22	SUSAN A. SIROTA	4,850.00	IRWD Check	Reconciled
429758	11-Aug-22	TAHMASSEBI, SEDIGHEH	16.73	IRWD Check	Negotiable
429760	11-Aug-22	TETRA TECH, INC	1,692.50	IRWD Check	Reconciled
429761	11-Aug-22	THE PARKLANDS	90.92	IRWD Check	Reconciled
429762	11-Aug-22	THEOBALD, BRENT	43.63	IRWD Check	Negotiable
429763	11-Aug-22	THERMO ELECTRON NORTH AMERICA LLC	27,679.84	IRWD Check	Reconciled
429764	11-Aug-22	THOMPSON & PHIPPS INC	6,371.33	IRWD Check	Reconciled
429765	11-Aug-22	TONY DEMARIA ELECTRIC, INC (DBA TDE)	13,000.00	IRWD Check	Reconciled
429766	11-Aug-22	TOTAL RESOURCE MANAGEMENT, INC	70,619.00	IRWD Check	Reconciled
429767	11-Aug-22	TRAFFIC MANAGEMENT, INC	2,422.50	IRWD Check	Reconciled
429768	11-Aug-22	TREE OF LIFE NURSERY	3,318.70	IRWD Check	Reconciled
429769	11-Aug-22	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA	10,660.02	IRWD Check	Reconciled
429770	11-Aug-22	UNITED PARCEL SERVICE INC	64.46	IRWD Check	Reconciled
429771	11-Aug-22	UNITED SITE SERVICES OF CALIFORNIA INC	794.70	IRWD Check	Reconciled
429772	11-Aug-22	USA WASTE OF CALIFORNIA, INC.	581.25	IRWD Check	Reconciled
429773	11-Aug-22	UTILITY SYSTEMS SCIENCE & SOFTWARE INC.	1,160.00	IRWD Check	Reconciled
429774	11-Aug-22	VAUGHAN'S INDUSTRIAL REPAIR CO INC	55,464.00	IRWD Check	Reconciled
429775	11-Aug-22	VEOLIA NORTH AMERICA, INC.	4,374.11	IRWD Check	Reconciled
429776	11-Aug-22	VISTA PAINT CORPORATION	1,362.82	IRWD Check	Reconciled
429777	11-Aug-22	VWR INTERNATIONAL, LLC	2,406.43	IRWD Check	Reconciled
429778	11-Aug-22	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	4,071.88	IRWD Check	Reconciled
429779	11-Aug-22	WATER INFORMATION SHARING AND ANALYSIS CENTER (WATERISAC)	3,300.00	IRWD Check	Reconciled
429780	11-Aug-22	WATERLINE TECHNOLOGIES INC	4,312.00	IRWD Check	Reconciled
429781	11-Aug-22	WATERSMART SOFTWARE INC	15,925.11	IRWD Check	Reconciled
429782	11-Aug-22	WAXIE'S ENTERPRISES, INC	166.93	IRWD Check	Reconciled
429783	11-Aug-22	WECK LABORATORIES INC	240.00	IRWD Check	Reconciled
429784	11-Aug-22	WEST YOST & ASSOCIATES, INC.	18,243.00	IRWD Check	Reconciled
429785	11-Aug-22	WOODARD & CURRAN INC	11,152.50	IRWD Check	Reconciled
429786	11-Aug-22	WOODBIDGE VILLAGE ASSOCIATION	1,667.07	IRWD Check	Reconciled
429787	11-Aug-22	WOODBURY SQUARE APARTMENTS	164.13	IRWD Check	Reconciled
429788	11-Aug-22	YEIK, MARCIA H	433.14	IRWD Check	Reconciled
429789	11-Aug-22	TUTTLE-CLICK FORD LINCOLN	186,945.16	IRWD Check	Reconciled
429790	12-Aug-22	PERS LONG TERM CARE	612.63	IRWD Check	Reconciled
429791	12-Aug-22	FRANCHISE TAX BOARD	550.00	IRWD Check	Negotiable
429792	12-Aug-22	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	3,565.65	IRWD Check	Reconciled
429793	16-Aug-22	IRWD-PETTY CASH CUSTODIAN	1,445.64	IRWD Check	Reconciled
429794	18-Aug-22	Habiger, Steve Jr (Steve)	105.00	IRWD Check	Reconciled
429795	18-Aug-22	Huang, Robert	32.47	IRWD Check	Reconciled
429796	18-Aug-22	Nguyen, Viet Quoc (Quoc)	392.60	IRWD Check	Reconciled
429797	18-Aug-22	Oldewage, Lars D (Lars)	56.98	IRWD Check	Negotiable
429798	18-Aug-22	Prewoznik, Frank	43.25	IRWD Check	Reconciled
429799	18-Aug-22	Zamora, Victor A	75.73	IRWD Check	Reconciled
429800	18-Aug-22	ACOSTA, DAN	67.52	IRWD Check	Negotiable
429801	18-Aug-22	AECOM TECHNICAL SERVICES, INC.	2,613.00	IRWD Check	Reconciled
429802	18-Aug-22	AIM CHAPMAN LLC	676.26	IRWD Check	Reconciled
429803	18-Aug-22	ALCOR SOLUTIONS, INC	6,446.25	IRWD Check	Reconciled
429804	18-Aug-22	ALSTON & BIRD LLP	17,949.40	IRWD Check	Reconciled
429805	18-Aug-22	AMAZON CAPITAL SERVICES, INC.	49.50	IRWD Check	Reconciled
429806	18-Aug-22	AMERICAN ASPHALT SOUTH, INC	4,271.69	IRWD Check	Reconciled

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429807	18-Aug-22	AMIRDHALINGAM, MOHAN	5.50	IRWD Check	Negotiable
429808	18-Aug-22	ANDRE, JO-ANNE	29.76	IRWD Check	Negotiable
429809	18-Aug-22	ANTHEM BLUE CROSS	306.93	IRWD Check	Reconciled
429810	18-Aug-22	ANTHONY N. LARSEN	825.00	IRWD Check	Reconciled
429811	18-Aug-22	APPLIED ENGINEERING CONCEPTS	5,850.00	IRWD Check	Reconciled
429812	18-Aug-22	AQUA BEN CORPORATION	61,585.35	IRWD Check	Reconciled
429813	18-Aug-22	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA	38,841.76	IRWD Check	Reconciled
429814	18-Aug-22	AT&T	178.46	IRWD Check	Reconciled
429815	18-Aug-22	AT&T	121.83	IRWD Check	Reconciled
429816	18-Aug-22	AT&T	5,033.89	IRWD Check	Reconciled
429817	18-Aug-22	ATHENS SERVICES	1,950.60	IRWD Check	Reconciled
429818	18-Aug-22	AUTOZONE PARTS, INC.	70.12	IRWD Check	Reconciled
429819	18-Aug-22	BEST DRILLING AND PUMP, INC.	19,200.00	IRWD Check	Reconciled
429820	18-Aug-22	BETTENHAUSEN, JEAN	29.37	IRWD Check	Negotiable
429821	18-Aug-22	BROWN AND CALDWELL	16,994.31	IRWD Check	Reconciled
429822	18-Aug-22	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	2,927.00	IRWD Check	Reconciled
429823	18-Aug-22	CALIFORNIA NEWSPAPERS PARTNERSHIP	3,942.42	IRWD Check	Reconciled
429824	18-Aug-22	CALIFORNIA PACIFIC HOMES	637.04	IRWD Check	Reconciled
429825	18-Aug-22	CANON SOLUTIONS AMERICA, INC.	923.60	IRWD Check	Reconciled
429826	18-Aug-22	CAROLLO ENGINEERS, INC	5,775.00	IRWD Check	Reconciled
429827	18-Aug-22	CDW GOVERNMENT LLC	6,538.88	IRWD Check	Reconciled
429828	18-Aug-22	CHEM TECH INTERNATIONAL INC	30,154.68	IRWD Check	Reconciled
429829	18-Aug-22	CHENG, ZHE	157.03	IRWD Check	Reconciled
429830	18-Aug-22	CIMARRON ENERGY, INC	5,373.75	IRWD Check	Reconciled
429831	18-Aug-22	CITY OF IRVINE	144,768.00	IRWD Check	Reconciled
429832	18-Aug-22	CITY OF LAKE FOREST	20,000.00	IRWD Check	Reconciled
429833	18-Aug-22	CLIFFORD MORIYAMA	4,000.00	IRWD Check	Reconciled
429834	18-Aug-22	COASTAL OCCUPATIONAL MEDICAL GROUP, INC.	445.00	IRWD Check	Reconciled
429835	18-Aug-22	COLE, CHRIS	60.69	IRWD Check	Reconciled
429836	18-Aug-22	COLLINS, MICHELLE	786.33	IRWD Check	Reconciled
429837	18-Aug-22	CONSTELLATION NEWENERGY, INC.	9,678.28	IRWD Check	Reconciled
429838	18-Aug-22	D & G SIGNS	83,601.00	IRWD Check	Reconciled
429839	18-Aug-22	DATA CLEAN CORPORATION	890.00	IRWD Check	Reconciled
429840	18-Aug-22	DILYTICS INC	2,800.00	IRWD Check	Reconciled
429841	18-Aug-22	DRIVELINES INC	209.65	IRWD Check	Reconciled
429842	18-Aug-22	DUDLEY RIDGE WATER DISTRICT	102,522.04	IRWD Check	Reconciled
429843	18-Aug-22	EHRHORN, BRITTANI	29.12	IRWD Check	Reconciled
429844	18-Aug-22	EXECUTIVE LIGHTING & ELECTRIC	4,390.32	IRWD Check	Reconciled
429845	18-Aug-22	FARRELL & ASSOCIATES	360.60	IRWD Check	Reconciled
429846	18-Aug-22	FERGUSON ENTERPRISES, LLC	7,694.62	IRWD Check	Reconciled
429847	18-Aug-22	FIRE EXTINGUISHING SAFETY & SERVICE	725.87	IRWD Check	Reconciled
429848	18-Aug-22	FISHER & PHILLIPS LLP	23,562.81	IRWD Check	Reconciled
429849	18-Aug-22	FLUID SOUND, INC.	12,860.91	IRWD Check	Reconciled
429850	18-Aug-22	FRONTIER CALIFORNIA INC.	297.22	IRWD Check	Reconciled
429851	18-Aug-22	FYDAQ COMPANY, INC.	2,600.00	IRWD Check	Reconciled
429852	18-Aug-22	GEA MECHANICAL EQUIPMENT US, INC.	82,337.73	IRWD Check	Reconciled
429853	18-Aug-22	GEI CONSULTANTS INC	47,451.55	IRWD Check	Reconciled
429854	18-Aug-22	GEORGE YARDLEY CO., INC.	1,500.00	IRWD Check	Reconciled
429855	18-Aug-22	GEOSYNTEC CONSULTANTS, INC.	6,212.75	IRWD Check	Reconciled
429856	18-Aug-22	GHAZIZADEH, MASSOUD	172.10	IRWD Check	Reconciled
429857	18-Aug-22	GOFORTH & MARTI	3,813.90	IRWD Check	Reconciled
429858	18-Aug-22	GRAINGER	795.11	IRWD Check	Reconciled
429859	18-Aug-22	GSRP ST SOLAR I LLC	15,576.91	IRWD Check	Reconciled
429860	18-Aug-22	HAMMOUD, SANA	42.03	IRWD Check	Reconciled
429861	18-Aug-22	HARRINGTON INDUSTRIAL PLASTICS LLC	5,009.94	IRWD Check	Reconciled
429862	18-Aug-22	HDR ENGINEERING INC	25,460.00	IRWD Check	Reconciled
429863	18-Aug-22	HELPMATES STAFFING SERVICES LLC	5,313.70	IRWD Check	Reconciled
429864	18-Aug-22	HENSEL PHELPS CONSTRUCTION CO	1,469.07	IRWD Check	Reconciled
429865	18-Aug-22	HILL BROTHERS CHEMICAL COMPANY	7,968.22	IRWD Check	Reconciled
429866	18-Aug-22	HIMLER, KURT	63.50	IRWD Check	Reconciled
429867	18-Aug-22	HOME DEPOT USA INC	2,577.38	IRWD Check	Reconciled
429868	18-Aug-22	HUMANA INSURANCE COMPANY	75.30	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT  
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<b>CHECK OR ELECTRONIC #</b>	<b>PAYMENT DATE</b>	<b>SUPPLIERS</b>	<b>PAYMENT AMOUNT</b>	<b>PAYMENT METHOD</b>	<b>STATUS</b>
429869	18-Aug-22	INNOVATIVE MACHINE TOOL REPAIR LLC	1,135.42	IRWD Check	Reconciled
429870	18-Aug-22	IRON MOUNTAIN INFORMATION MANAGEMENT INC	940.36	IRWD Check	Reconciled
429871	18-Aug-22	IRVINE PACIFIC	265.73	IRWD Check	Reconciled
429872	18-Aug-22	IRVINE PIPE & SUPPLY INC	5,229.10	IRWD Check	Reconciled
429873	18-Aug-22	JENKINS, JENNIFER L	168.07	IRWD Check	Reconciled
429874	18-Aug-22	JIG CONSULTANTS	6,642.97	IRWD Check	Reconciled
429875	18-Aug-22	JOHN MICHAEL COVAS	216.90	IRWD Check	Negotiable
429876	18-Aug-22	KAN VENTURES, INC	6,500.00	IRWD Check	Reconciled
429877	18-Aug-22	KB HOMES	439.38	IRWD Check	Negotiable
429878	18-Aug-22	KHAN, REEM	28.22	IRWD Check	Negotiable
429879	18-Aug-22	KOLL CENTER IRVINE SOUTHWEST	1,570.00	IRWD Check	Reconciled
429880	18-Aug-22	LANDCARE HOLDINGS, INC.	19,606.80	IRWD Check	Reconciled
429881	18-Aug-22	LBA REALTY BPCC, LLC	24,127.05	IRWD Check	Negotiable
429882	18-Aug-22	LEE, JESSE	1,666.08	IRWD Check	Reconciled
429883	18-Aug-22	LEWIS, ROBERT	28.00	IRWD Check	Negotiable
429884	18-Aug-22	LILLESTRAND LEADERSHIP CONSULTING, INC.	9,728.75	IRWD Check	Reconciled
429885	18-Aug-22	MAP COMMUNICATIONS, INC.	1,375.70	IRWD Check	Reconciled
429886	18-Aug-22	MARK KADESH	10,200.00	IRWD Check	Reconciled
429887	18-Aug-22	MERRIMAC PETROLEUM, INC.	37,107.97	IRWD Check	Reconciled
429888	18-Aug-22	MICHAEL BAKER INTERNATIONAL, INC.	10,349.00	IRWD Check	Reconciled
429889	18-Aug-22	NATURALWELL, LLC	1,705.00	IRWD Check	Reconciled
429890	18-Aug-22	O'REILLY AUTO ENTERPRISES, LLC	83.51	IRWD Check	Reconciled
429891	18-Aug-22	OLIN CORPORATION	13,438.79	IRWD Check	Reconciled
429892	18-Aug-22	ONESOURCE DISTRIBUTORS LLC	5,477.24	IRWD Check	Reconciled
429893	18-Aug-22	ORACLE AMERICA, INC.	11,934.49	IRWD Check	Reconciled
429894	18-Aug-22	ORANGE COUNTY AUTO PARTS CO	291.60	IRWD Check	Reconciled
429895	18-Aug-22	ORIGIN CONSULTING LLC	15,274.13	IRWD Check	Reconciled
429896	18-Aug-22	PACIFIC AUTO WASH PARTNERS	39.98	IRWD Check	Reconciled
429897	18-Aug-22	PACIFIC CITY PROPERTIES	52.56	IRWD Check	Reconciled
429898	18-Aug-22	PAIK, JOO HYUN	41.48	IRWD Check	Negotiable
429899	18-Aug-22	PAR PHARMACEUTICAL INC	5,700.00	IRWD Check	Reconciled
429900	18-Aug-22	PARTNERS IN CONTROL, INC.	5,491.08	IRWD Check	Reconciled
429901	18-Aug-22	PERKINELMER HEALTH SCIENCES INC	11,021.78	IRWD Check	Reconciled
429902	18-Aug-22	PETERS, ELAINE	76.41	IRWD Check	Reconciled
429903	18-Aug-22	PETRUSSE-NORRIS PAINTING, INC.	5,582.00	IRWD Check	Reconciled
429904	18-Aug-22	PHAN, BRYAN	25.51	IRWD Check	Reconciled
429905	18-Aug-22	PROBOLSKY RESEARCH LLC	13,125.00	IRWD Check	Reconciled
429906	18-Aug-22	PROJECT PARTNERS LLC	7,940.00	IRWD Check	Reconciled
429907	18-Aug-22	PRONTO GYM SERVICES, INC.	345.00	IRWD Check	Reconciled
429908	18-Aug-22	PRUDENTIAL OVERALL SUPPLY	337.60	IRWD Check	Reconciled
429909	18-Aug-22	PSOMAS	12,085.00	IRWD Check	Reconciled
429910	18-Aug-22	PU, XIANGRONG	43.23	IRWD Check	Negotiable
429911	18-Aug-22	PULTE GROUP	171.48	IRWD Check	Negotiable
429912	18-Aug-22	QUINTANA, WATTS & HARTMANN, LLC	10,919.96	IRWD Check	Negotiable
429913	18-Aug-22	RAM AIR ENGINEERING INC	7,159.31	IRWD Check	Reconciled
429914	18-Aug-22	REACH EMPLOYEE ASSISTANCE INC	1,066.80	IRWD Check	Reconciled
429915	18-Aug-22	RENTOKIL NORTH AMERICA, INC	3,385.10	IRWD Check	Reconciled
429916	18-Aug-22	RINCON TRUCK CENTER INC.	376.48	IRWD Check	Reconciled
429917	18-Aug-22	RODNEY HARMSWORTH ASSOCIATES, INC.	2,569.00	IRWD Check	Reconciled
429918	18-Aug-22	SCHINDLER ELEVATOR CORPORATION	258.15	IRWD Check	Reconciled
429919	18-Aug-22	SELECT EQUIPMENT SALES, INC.	52,798.58	IRWD Check	Reconciled
429920	18-Aug-22	SERRANO WATER DISTRICT	9,595.02	IRWD Check	Reconciled
429921	18-Aug-22	SIGNATURE FLOORING, INC	800.00	IRWD Check	Reconciled
429922	18-Aug-22	SMOKETREE IRVINE HOA C/O AMBER PROPERTY MANAGEMENT	559.00	IRWD Check	Negotiable
429923	18-Aug-22	SOUTH COAST WATER CO.	95.00	IRWD Check	Reconciled
429924	18-Aug-22	SOUTHERN CALIFORNIA EDISON COMPANY	115,996.41	IRWD Check	Reconciled
429925	18-Aug-22	SOUTHERN CALIFORNIA GAS COMPANY	12,459.76	IRWD Check	Reconciled
429926	18-Aug-22	SPARLING INSTRUMENTS LLC	799.00	IRWD Check	Reconciled
429927	18-Aug-22	STICE COMPANY, INC.	1,041.00	IRWD Check	Reconciled
429928	18-Aug-22	TAYLOR MORRISON OF CALIFORNIA, LLC	277.00	IRWD Check	Negotiable
429929	18-Aug-22	TETRA TECH, INC	740.00	IRWD Check	Reconciled
429930	18-Aug-22	TETRA TECH, INC	100,741.25	IRWD Check	Reconciled

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<b>CHECK OR ELECTRONIC #</b>	<b>PAYMENT DATE</b>	<b>SUPPLIERS</b>	<b>PAYMENT AMOUNT</b>	<b>PAYMENT METHOD</b>	<b>STATUS</b>
429931	18-Aug-22	TIC-RETAIL PROPERTIES	112.53	IRWD Check	Reconciled
429932	18-Aug-22	TOTAL RESOURCE MANAGEMENT, INC	190.00	IRWD Check	Reconciled
429933	18-Aug-22	TSAI, CHIEN-PANG	30.67	IRWD Check	Reconciled
429934	18-Aug-22	UBERLYTICS, LLC	4,112.21	IRWD Check	Reconciled
429935	18-Aug-22	UNITED HEALTHCARE INSURANCE COMPANY	348.42	IRWD Check	Reconciled
429936	18-Aug-22	UNITED SITE SERVICES OF CALIFORNIA INC	291.82	IRWD Check	Reconciled
429937	18-Aug-22	V&A CONSULTING ENGINEERS	8,575.25	IRWD Check	Reconciled
429938	18-Aug-22	WAXIE'S ENTERPRISES, INC	1,048.77	IRWD Check	Reconciled
429939	18-Aug-22	WELLS, VALERIE A	122.67	IRWD Check	Reconciled
429940	18-Aug-22	WEST COAST SAFETY SUPPLY INC	6,120.55	IRWD Check	Reconciled
429941	18-Aug-22	WEST YOST & ASSOCIATES, INC.	23,693.00	IRWD Check	Reconciled
429942	18-Aug-22	WP BEIJING RESTAURANT GROUP, INC.	1,028.44	IRWD Check	Negotiable
429943	18-Aug-22	WP BEIJING RESTAURANT GROUP, INC.	21.70	IRWD Check	Negotiable
429944	18-Aug-22	YANG, ZHISHAN	381.80	IRWD Check	Reconciled
429945	18-Aug-22	ZHANG, LIAO	17.37	IRWD Check	Reconciled
429946	18-Aug-22	ZHENG, HUI	1,273.07	IRWD Check	Reconciled
429947	22-Aug-22	Cano, Marco T (Marco)	241.51	IRWD Check	Negotiable
429948	22-Aug-22	Gautschi, Lauren	29.75	IRWD Check	Negotiable
429949	22-Aug-22	Perez, Cesar (Cesar)	293.00	IRWD Check	Reconciled
429950	22-Aug-22	Reed, James W (James)	288.00	IRWD Check	Reconciled
429951	22-Aug-22	Sanchez, George (George)	130.98	IRWD Check	Reconciled
429952	22-Aug-22	Shapiro, Matthew	116.18	IRWD Check	Negotiable
429953	24-Aug-22	IRWD-PETTY CASH CUSTODIAN	1,490.17	IRWD Check	Reconciled
429954	25-Aug-22	Burgoon, Timothy R	397.00	IRWD Check	Reconciled
429955	25-Aug-22	Oldewage, Lars D (Lars)	125.00	IRWD Check	Reconciled
429956	25-Aug-22	Orozco, Gustavo A (Gus)	118.66	IRWD Check	Negotiable
429957	25-Aug-22	Sagert, Justin	316.38	IRWD Check	Negotiable
429958	25-Aug-22	Schreiner, Terrance M Jr (Terrance)	312.00	IRWD Check	Reconciled
429959	25-Aug-22	ACCESSELITE PBC	7,827.00	IRWD Check	Reconciled
429960	25-Aug-22	ACCUSTANDARD INC	128.72	IRWD Check	Negotiable
429961	25-Aug-22	AECOM TECHNICAL SERVICES, INC.	12,137.52	IRWD Check	Negotiable
429962	25-Aug-22	AIR TECHNOLOGY LABORATORIES	1,853.00	IRWD Check	Negotiable
429963	25-Aug-22	ALLIANCE RESOURCE CONSULTING LLC	6,625.00	IRWD Check	Reconciled
429964	25-Aug-22	ALLIANT INSURANCE SERVICES, INC	2,250.00	IRWD Check	Reconciled
429965	25-Aug-22	AMAZON CAPITAL SERVICES, INC.	951.93	IRWD Check	Reconciled
429966	25-Aug-22	APPLIED ENGINEERING CONCEPTS	8,744.00	IRWD Check	Reconciled
429967	25-Aug-22	AT&T	7,519.22	IRWD Check	Reconciled
429968	25-Aug-22	BAKER CANYON GREEN RECYCLING	129.16	IRWD Check	Reconciled
429969	25-Aug-22	BERKELEY COURT APTS	160.06	IRWD Check	Negotiable
429970	25-Aug-22	BORDEAUX APTS	2,330.17	IRWD Check	Negotiable
429971	25-Aug-22	CALIFORNIA BARRICADE RENTAL, INC.	600,000.00	IRWD Check	Reconciled
429972	25-Aug-22	CALIFORNIA PACIFIC HOMES	5,038.63	IRWD Check	Reconciled
429973	25-Aug-22	CANON FINANCIAL SERVICES, INC	8,332.75	IRWD Check	Reconciled
429974	25-Aug-22	CAROLLO ENGINEERS, INC	18,901.00	IRWD Check	Negotiable
429975	25-Aug-22	CDW GOVERNMENT LLC	20,961.13	IRWD Check	Negotiable
429976	25-Aug-22	CENTROID SYSTEMS, INC.	54,540.75	IRWD Check	Reconciled
429977	25-Aug-22	CHARLES P CROWLEY COMPANY INC	2,664.89	IRWD Check	Reconciled
429978	25-Aug-22	CHEM TECH INTERNATIONAL INC	10,492.92	IRWD Check	Negotiable
429979	25-Aug-22	CHEN, MAY	92.15	IRWD Check	Negotiable
429980	25-Aug-22	CHOI, JUN	1,438.63	IRWD Check	Negotiable
429981	25-Aug-22	CITY OF IRVINE	1,707.80	IRWD Check	Negotiable
429982	25-Aug-22	CITY OF LAKE FOREST	67,496.00	IRWD Check	Reconciled
429983	25-Aug-22	CITY OF NEWPORT BEACH	2,097.25	IRWD Check	Reconciled
429984	25-Aug-22	CLA-VAL COMPANY	1,938.77	IRWD Check	Reconciled
429985	25-Aug-22	COLE-PARMER INSTRUMENT CO	316.46	IRWD Check	Reconciled
429986	25-Aug-22	COMPLETE WATER SOLUTIONS LLC	1,390.00	IRWD Check	Reconciled
429987	25-Aug-22	CONSTELLATION NEWENERGY, INC.	593.57	IRWD Check	Negotiable
429988	25-Aug-22	COUNTY OF ORANGE	565.00	IRWD Check	Reconciled
429989	25-Aug-22	CR & R INCORPORATED	512.14	IRWD Check	Reconciled
429990	25-Aug-22	CULLIGAN OF SANTA ANA	25,200.00	IRWD Check	Reconciled
429991	25-Aug-22	CURATIVE I.T. LLC	808.13	IRWD Check	Reconciled
429992	25-Aug-22	CV TECHNOLOGY, INC.	7,200.00	IRWD Check	Reconciled

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429993	25-Aug-22	DENALI WATER SOLUTIONS LLC	6,474.20	IRWD Check	Reconciled
429994	25-Aug-22	DUDEK	13,092.50	IRWD Check	Reconciled
429995	25-Aug-22	E.J. MEYER COMPANY, INC.	76,238.95	IRWD Check	Negotiable
429996	25-Aug-22	EAST ORANGE COUNTY WATER DISTRICT	1,908.41	IRWD Check	Reconciled
429997	25-Aug-22	EHS INTERNATIONAL,INC	5,635.00	IRWD Check	Reconciled
429998	25-Aug-22	ENTERPRISE HOLDINGS, INC.	31,656.81	IRWD Check	Reconciled
429999	25-Aug-22	ENVIRONMENTAL RESOURCE ASSOCIATES	430.33	IRWD Check	Reconciled
430000	25-Aug-22	ENVIRONMENTAL SCIENCE ASSOCIATES	1,873.67	IRWD Check	Reconciled
430001	25-Aug-22	EVERETT DOREY LLP	0.50	IRWD Check	Reconciled
430002	25-Aug-22	EZKEM CORPORATION	443.00	IRWD Check	Reconciled
430003	25-Aug-22	FARRELL & ASSOCIATES	154.67	IRWD Check	Reconciled
430004	25-Aug-22	FEDEX	530.45	IRWD Check	Reconciled
430005	25-Aug-22	FERGUSON ENTERPRISES, LLC	23,313.45	IRWD Check	Reconciled
430006	25-Aug-22	FIRERESQ, INCORPORATED	3,056.76	IRWD Check	Reconciled
430007	25-Aug-22	FISHER SCIENTIFIC COMPANY LLC	12,925.92	IRWD Check	Reconciled
430008	25-Aug-22	FRONTIER CALIFORNIA INC.	327.69	IRWD Check	Reconciled
430009	25-Aug-22	GARY BALE REDI-MIX CONCRETE, INC.	1,808.70	IRWD Check	Reconciled
430010	25-Aug-22	GEI CONSULTANTS INC	18,674.00	IRWD Check	Reconciled
430011	25-Aug-22	GRAINGER	5,643.09	IRWD Check	Reconciled
430012	25-Aug-22	HACH COMPANY	14,458.76	IRWD Check	Reconciled
430013	25-Aug-22	HARRINGTON INDUSTRIAL PLASTICS LLC	8,653.70	IRWD Check	Reconciled
430014	25-Aug-22	HDR ENGINEERING INC	10,698.75	IRWD Check	Reconciled
430015	25-Aug-22	HELPMATES STAFFING SERVICES LLC	5,586.85	IRWD Check	Reconciled
430016	25-Aug-22	HERITAGE FIELDS LLC	3,063,536.80	IRWD Check	Negotiable
430017	25-Aug-22	HILL BROTHERS CHEMICAL COMPANY	7,006.00	IRWD Check	Negotiable
430018	25-Aug-22	HONG, JANG HWAN	32.18	IRWD Check	Negotiable
430019	25-Aug-22	HOYA OPTICAL LABS OF AMERICA, INC.	246.00	IRWD Check	Reconciled
430020	25-Aug-22	INFOSEND, INC.	44,406.50	IRWD Check	Reconciled
430021	25-Aug-22	INNOVATIVE MACHINE TOOL REPAIR LLC	2,108.46	IRWD Check	Reconciled
430022	25-Aug-22	INORGANIC VENTURES INC	808.70	IRWD Check	Negotiable
430023	25-Aug-22	IRVINE COMPANY APARTMENT DEVELOPMENT	1,410.84	IRWD Check	Negotiable
430024	25-Aug-22	IRVINE PACIFIC	129.96	IRWD Check	Negotiable
430025	25-Aug-22	IRVINE PIPE & SUPPLY INC	1,505.21	IRWD Check	Reconciled
430026	25-Aug-22	JOHNSON-FRANK & ASSOCIATES, INC.	22,795.00	IRWD Check	Reconciled
430027	25-Aug-22	JORNADAL, JERRY	20.48	IRWD Check	Reconciled
430028	25-Aug-22	KB HOMES	73.80	IRWD Check	Negotiable
430029	25-Aug-22	KENNEDY, TARIN	25.19	IRWD Check	Negotiable
430030	25-Aug-22	KIM, BONG	101.32	IRWD Check	Negotiable
430031	25-Aug-22	KIM, DONG WON	268.58	IRWD Check	Reconciled
430032	25-Aug-22	LANDCARE HOLDINGS, INC.	47,070.40	IRWD Check	Reconciled
430033	25-Aug-22	LAYTON-BELLING & ASSOCIATES	417.96	IRWD Check	Negotiable
430034	25-Aug-22	LCS TECHNOLOGIES, INC.	5,130.00	IRWD Check	Negotiable
430035	25-Aug-22	LENNAR HOMES OF CALIFORNIA, INC.	28.25	IRWD Check	Reconciled
430036	25-Aug-22	LI, EMMY	30.02	IRWD Check	Negotiable
430037	25-Aug-22	LIEBERT CASSIDY WHITMORE	1,443.00	IRWD Check	Reconciled
430038	25-Aug-22	LILLESTRAND LEADERSHIP CONSULTING, INC.	932.50	IRWD Check	Negotiable
430039	25-Aug-22	LINDE GAS & EQUIPMENT INC.	1,640.07	IRWD Check	Reconciled
430040	25-Aug-22	LOS ANGELES TIMES	445.00	IRWD Check	Reconciled
430041	25-Aug-22	LSA ASSOCIATES INC	2,672.73	IRWD Check	Negotiable
430042	25-Aug-22	MARCHESE, FRANK J	64.52	IRWD Check	Negotiable
430043	25-Aug-22	MARK THOMAS & COMPANY, INC.	924.62	IRWD Check	Negotiable
430044	25-Aug-22	MC MASTER CARR SUPPLY CO	20.46	IRWD Check	Reconciled
430045	25-Aug-22	MISSION COMMUNICATIONS, LLC	1,522.20	IRWD Check	Reconciled
430046	25-Aug-22	MRO ELECTRIC & SUPPLY CO.	4,150.00	IRWD Check	Reconciled
430047	25-Aug-22	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	3,528.00	IRWD Check	Reconciled
430048	25-Aug-22	MUTUAL PROPANE	188.73	IRWD Check	Reconciled
430049	25-Aug-22	MYERS & SONS HI-WAY SAFETY, INC.	4,144.07	IRWD Check	Reconciled
430050	25-Aug-22	NEWPORT NORTH APTS	101.24	IRWD Check	Negotiable
430051	25-Aug-22	OCTA	3,055.00	IRWD Check	Reconciled
430052	25-Aug-22	OLIN CORPORATION	62,126.24	IRWD Check	Reconciled
430053	25-Aug-22	ONESOURCE DISTRIBUTORS LLC	841.70	IRWD Check	Reconciled
430054	25-Aug-22	ORANGE COUNTY AUTO PARTS CO	149.89	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT  
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430055	25-Aug-22	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT	904.05	IRWD Check	Negotiable
430056	25-Aug-22	ORANGE LINE OIL COMPANY	3,626.37	IRWD Check	Reconciled
430057	25-Aug-22	PACIFIC BELL & TELEPHONE COMPANY	6,708.06	IRWD Check	Negotiable
430058	25-Aug-22	PACIFIC HYDROTECH CORPORATION	5,977.58	IRWD Check	Negotiable
430059	25-Aug-22	PACIFIC HYDROTECH CORPORATION	1,493,278.39	IRWD Check	Negotiable
430060	25-Aug-22	PACIFIC HYDROTECH CORPORATION	50,572.43	IRWD Check	Negotiable
430061	25-Aug-22	PACIFIC HYDROTECH CORPORATION	21,692.81	IRWD Check	Negotiable
430062	25-Aug-22	PACIFIC SURVEYS, LLC	1,563.00	IRWD Check	Reconciled
430063	25-Aug-22	PARKHOUSE TIRE INC	1,825.25	IRWD Check	Negotiable
430064	25-Aug-22	PASO ROBLES TANK, INC	49,000.00	IRWD Check	Reconciled
430065	25-Aug-22	PAYNE & FEARS LLP	698.50	IRWD Check	Reconciled
430066	25-Aug-22	POLYDYNE INC	1,021.48	IRWD Check	Reconciled
430067	25-Aug-22	PREMIER PAVING INC.	1,736.95	IRWD Check	Reconciled
430068	25-Aug-22	PSOMAS	6,542.05	IRWD Check	Reconciled
430069	25-Aug-22	PYRO-COMM SYSTEMS INC	270.00	IRWD Check	Reconciled
430070	25-Aug-22	QUAIL MEADOW APARTMENTS	1,359.73	IRWD Check	Negotiable
430071	25-Aug-22	QUINN COMPANY	2,212.77	IRWD Check	Reconciled
430072	25-Aug-22	RANCHO SAN JOAQUIN	1,398.22	IRWD Check	Negotiable
430073	25-Aug-22	RED WING SHOE STORE	850.00	IRWD Check	Reconciled
430074	25-Aug-22	REFRIGERATION SUPPLIES DISTRIBUTOR	56.46	IRWD Check	Reconciled
430075	25-Aug-22	RICHARD C. SLADE & ASSOCIATES LLC	13,900.61	IRWD Check	Negotiable
430076	25-Aug-22	RLG ENTERPRISES, INC	1,085.70	IRWD Check	Reconciled
430077	25-Aug-22	ROBERTSONS	3,129.26	IRWD Check	Reconciled
430078	25-Aug-22	RS HUGHES COMPANY, INC.	2,509.25	IRWD Check	Reconciled
430079	25-Aug-22	SAN MARINO APTS	117.85	IRWD Check	Negotiable
430080	25-Aug-22	SANDERS, DORIS	35.12	IRWD Check	Negotiable
430081	25-Aug-22	SCOTT EQUIPMENT INCORPORATED	2,006.10	IRWD Check	Reconciled
430082	25-Aug-22	SHI, WENJIAN	923.90	IRWD Check	Reconciled
430083	25-Aug-22	SITMATIC	849.21	IRWD Check	Reconciled
430084	25-Aug-22	SMITH SYSTEM DRIVER IMPROVEMENT INSTITUTE, INC.	9,173.75	IRWD Check	Negotiable
430085	25-Aug-22	SONOMA APTS	40.88	IRWD Check	Negotiable
430086	25-Aug-22	SOUTHERN CALIFORNIA EDISON COMPANY	222.15	IRWD Check	Negotiable
430087	25-Aug-22	SOUTHERN CALIFORNIA EDISON COMPANY	352,532.22	IRWD Check	Reconciled
430088	25-Aug-22	SOUTHERN CALIFORNIA GAS COMPANY	39.10	IRWD Check	Reconciled
430089	25-Aug-22	SPARKLETTS	159.33	IRWD Check	Negotiable
430090	25-Aug-22	STANTEC ARCHITECTURE INC	23,478.50	IRWD Check	Reconciled
430091	25-Aug-22	STATE INDUSTRIAL PRODUCTS	278.99	IRWD Check	Reconciled
430092	25-Aug-22	STEVEN WELCH	195.00	IRWD Check	Reconciled
430093	25-Aug-22	SUPPORT PRODUCT SERVICES, INC	437.75	IRWD Check	Reconciled
430094	25-Aug-22	SWAINS ELECTRIC MOTOR SERVICE	5,138.38	IRWD Check	Negotiable
430095	25-Aug-22	SYNAGRO-WWT, INC.	114,914.43	IRWD Check	Reconciled
430096	25-Aug-22	TALLEY INC	2,613.29	IRWD Check	Reconciled
430097	25-Aug-22	TANG, SHIRLEY	36.24	IRWD Check	Reconciled
430098	25-Aug-22	TEREX SERVICES	5,105.73	IRWD Check	Reconciled
430099	25-Aug-22	TETRA TECH, INC	50,442.50	IRWD Check	Reconciled
430100	25-Aug-22	THE CLIMATE REGISTRY	3,150.00	IRWD Check	Negotiable
430101	25-Aug-22	THE IRVINE COMPANY	4,928.22	IRWD Check	Reconciled
430102	25-Aug-22	TIC-IHC VENTURE LLC	128.83	IRWD Check	Reconciled
430103	25-Aug-22	TIC-RETAIL PROPERTIES	187.67	IRWD Check	Reconciled
430104	25-Aug-22	TIC-SPECTRUM OFFICE	354.36	IRWD Check	Reconciled
430105	25-Aug-22	TK ELEVATOR CORPORATION	655.16	IRWD Check	Reconciled
430106	25-Aug-22	TRAFFIC MANAGEMENT, INC	2,754.50	IRWD Check	Reconciled
430107	25-Aug-22	TREADWAY, DEAN	111.73	IRWD Check	Negotiable
430108	25-Aug-22	TRIPAC MARKETING INC	637.54	IRWD Check	Reconciled
430109	25-Aug-22	UNITED PARCEL SERVICE INC	286.04	IRWD Check	Reconciled
430110	25-Aug-22	US BANK NAT'L ASSOCIATION NORTH DAKOTA	45,980.90	IRWD Check	Reconciled
430111	25-Aug-22	VULCAN MATERIALS COMPANY	2,042.15	IRWD Check	Reconciled
430112	25-Aug-22	WATERLINE TECHNOLOGIES INC	2,940.00	IRWD Check	Negotiable
430113	25-Aug-22	WAXIE'S ENTERPRISES, INC	221.59	IRWD Check	Reconciled
430114	25-Aug-22	WECK LABORATORIES INC	4,411.00	IRWD Check	Reconciled
430115	25-Aug-22	WEST COAST SAFETY SUPPLY INC	13,422.42	IRWD Check	Reconciled
430116	25-Aug-22	WESTAMERICA COMMUNICATIONS, INC	1,233.13	IRWD Check	Reconciled

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

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
430117	25-Aug-22	WOODBRIEGE WILLOWS APARTMENTS	49.37	IRWD Check	Negotiable
430118	25-Aug-22	WORKFORCE SAFETY LLC	6,000.00	IRWD Check	Negotiable
430119	25-Aug-22	YANG, RANDALL	328.79	IRWD Check	Reconciled
430120	25-Aug-22	YSI, INC	474.81	IRWD Check	Reconciled
430121	26-Aug-22	ORANGE COUNTY SANITATION DISTRICT	53,504.65	IRWD Check	Reconciled
430122	26-Aug-22	ABSOLUTE STANDARDS, INC.	415.00	IRWD Check	Reconciled
430123	26-Aug-22	AMAZON CAPITAL SERVICES, INC.	891.31	IRWD Check	Reconciled
430124	26-Aug-22	AQUA-METRIC SALES COMPANY	6,772.49	IRWD Check	Reconciled
430125	26-Aug-22	AUTOZONE PARTS, INC.	274.60	IRWD Check	Reconciled
430126	26-Aug-22	BC WIRE ROPE & RIGGING	399.54	IRWD Check	Reconciled
430127	26-Aug-22	CALIFORNIA BARRICADE RENTAL, INC.	13,684.00	IRWD Check	Reconciled
430128	26-Aug-22	CDW GOVERNMENT LLC	3,056.97	IRWD Check	Negotiable
430129	26-Aug-22	COUNTY OF ORANGE	79.37	IRWD Check	Negotiable
430130	26-Aug-22	COX COMMUNICATIONS, INC.	3,325.32	IRWD Check	Reconciled
430131	26-Aug-22	DEALERS SERVICE COMPANY, INC	1,432.75	IRWD Check	Reconciled
430132	26-Aug-22	DIRECTV INC	146.99	IRWD Check	Reconciled
430133	26-Aug-22	DRAKE TRAFFIC CONTROL SERVICES INC	980.00	IRWD Check	Reconciled
430134	26-Aug-22	ENRIQUEZ, TANYA	278.66	IRWD Check	Negotiable
430135	26-Aug-22	FEDEX	321.16	IRWD Check	Reconciled
430136	26-Aug-22	FERGUSON ENTERPRISES, LLC	3,769.02	IRWD Check	Reconciled
430137	26-Aug-22	FRANCHISE TAX BOARD	522.54	IRWD Check	Negotiable
430138	26-Aug-22	GCI CONSTRUCTION, INC.	106,973.51	IRWD Check	Reconciled
430139	26-Aug-22	GOLF COURSE SOLUTIONS	325.00	IRWD Check	Reconciled
430140	26-Aug-22	GRAINGER	522.52	IRWD Check	Reconciled
430141	26-Aug-22	HACH COMPANY	4,900.35	IRWD Check	Reconciled
430142	26-Aug-22	IMPERIAL SPRINKLER SUPPLY, INC.	3,490.69	IRWD Check	Reconciled
430143	26-Aug-22	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	3,588.35	IRWD Check	Reconciled
430144	26-Aug-22	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES	4,550.00	IRWD Check	Reconciled
430145	26-Aug-22	MICROSOFT CORPORATION	535.53	IRWD Check	Reconciled
430146	26-Aug-22	O'REILLY AUTO ENTERPRISES, LLC	132.07	IRWD Check	Negotiable
430147	26-Aug-22	ORANGE COUNTY AUTO PARTS CO	375.64	IRWD Check	Reconciled
430148	26-Aug-22	PACIFIC HYDROTECH CORPORATION	18,694.67	IRWD Check	Negotiable
430149	26-Aug-22	PACIFIC HYDROTECH CORPORATION	355,198.74	IRWD Check	Reconciled
430150	26-Aug-22	PACIFIC PARTS & CONTROLS INC	578.62	IRWD Check	Reconciled
430151	26-Aug-22	PERS LONG TERM CARE	612.63	IRWD Check	Reconciled
430152	26-Aug-22	RESTEK CORPORATION	317.75	IRWD Check	Reconciled
430153	26-Aug-22	RINCON TRUCK CENTER INC.	2,271.17	IRWD Check	Reconciled
430154	26-Aug-22	SANTA ANA WATERSHED PROJECT AUTHORITY	8,693.00	IRWD Check	Negotiable
430155	26-Aug-22	SANTA MARGARITA FORD	246.48	IRWD Check	Reconciled
430156	26-Aug-22	SI MANAGEMENT, INC	17,500.00	IRWD Check	Negotiable
430157	26-Aug-22	SOUTH COAST BOBCAT	890.93	IRWD Check	Reconciled
430158	26-Aug-22	SOUTHERN CALIFORNIA EDISON COMPANY	152,695.76	IRWD Check	Reconciled
430159	26-Aug-22	SUEZ TREATMENT SOLUTIONS INC.	1,503.33	IRWD Check	Reconciled
430160	26-Aug-22	SUKLE ADVERTISING INC.	36,676.14	IRWD Check	Reconciled
430161	26-Aug-22	TIMOTHY W. HOGAN	249.56	IRWD Check	Reconciled
430162	26-Aug-22	TRAFFIC MANAGEMENT, INC	1,753.50	IRWD Check	Reconciled
430163	26-Aug-22	USA BLUEBOOK	6,449.02	IRWD Check	Reconciled
430164	26-Aug-22	WEST YOST & ASSOCIATES, INC.	13,035.00	IRWD Check	Reconciled
430165	26-Aug-22	RELIANCE STANDARD LIFE INSURANCE COMPANY	30,210.13	IRWD Check	Reconciled
430166	29-Aug-22	JCI JONES CHEMICALS INC	11,560.33	IRWD Check	Negotiable
430167	30-Aug-22	IRWD-PETTY CASH CUSTODIAN	1,067.46	IRWD Check	Reconciled
<b>SUB-TOTAL AP CHECK DISBURSEMENTS</b>			<b>17,129,587.89</b>		

15046	1-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	16,781.85	IRWD Wire	Negotiable
15047	1-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	6,256.20	IRWD Wire	Negotiable
15048	2-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	1,471.10	IRWD Wire	Negotiable
15049	8-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	2,547.10	IRWD Wire	Negotiable
15050	8-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	1,462.21	IRWD Wire	Negotiable
15051	8-Aug-22	YORK RISK SERVICES GROUP, INC.	1,660.84	IRWD Wire	Negotiable
15052	9-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	53,680.10	IRWD Wire	Negotiable
15053	9-Aug-22	U.S. BANK NATIONAL ASSOCIATION	24,465.72	IRWD Wire	Negotiable
15054	9-Aug-22	BANK OF AMERICA	22,657.56	IRWD Wire	Negotiable



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

<b>CHECK OR ELECTRONIC #</b>	<b>PAYMENT DATE</b>	<b>SUPPLIERS</b>	<b>PAYMENT AMOUNT</b>	<b>PAYMENT METHOD</b>	<b>STATUS</b>
15055	9-Aug-22	U.S. BANK NATIONAL ASSOCIATION	10,611.51	IRWD Wire	Negotiable
15056	9-Aug-22	SUMITOMO MITSUI BANKING CORPORATION	22,701.64	IRWD Wire	Negotiable
15057	25-Aug-22	WELLS FARGO BANK, N.A.	5,701.95	IRWD Wire	Negotiable
15058	25-Aug-22	INTERNAL REVENUE SERVICE	267,564.49	IRWD Wire	Negotiable
15059	25-Aug-22	FRANCHISE TAX BOARD	87,060.53	IRWD Wire	Negotiable
15060	25-Aug-22	EMPOWER RETIREMENT, LLC	191,951.32	IRWD Wire	Negotiable
15061	25-Aug-22	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	2,923.92	IRWD Wire	Negotiable
15062	25-Aug-22	EMPLOYMENT DEVELOPMENT DEPARTMENT	19,185.57	IRWD Wire	Negotiable
15063	25-Aug-22	ORANGE COUNTY SANITATION DISTRICT	1,010,744.00	IRWD Wire	Negotiable
15064	25-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	2,526.25	IRWD Wire	Negotiable
15065	25-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	1,953.81	IRWD Wire	Negotiable
15066	25-Aug-22	CALPERS	1,187.83	IRWD Wire	Negotiable
15067	26-Aug-22	CALPERS	272,647.39	IRWD Wire	Negotiable
15068	26-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	4,107.64	IRWD Wire	Negotiable
15069	26-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	2,838.67	IRWD Wire	Negotiable
15070	26-Aug-22	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	4,049,936.88	IRWD Wire	Negotiable
15071	26-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	6,929.35	IRWD Wire	Negotiable
15072	26-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	24,305.56	IRWD Wire	Negotiable
15073	26-Aug-22	YORK RISK SERVICES GROUP, INC.	2,285.56	IRWD Wire	Negotiable
15074	26-Aug-22	YORK RISK SERVICES GROUP, INC.	5,411.55	IRWD Wire	Negotiable
15075	26-Aug-22	INTERNAL REVENUE SERVICE	281,095.88	IRWD Wire	Negotiable
15076	26-Aug-22	FRANCHISE TAX BOARD	89,813.90	IRWD Wire	Negotiable
15077	26-Aug-22	EMPLOYMENT DEVELOPMENT DEPARTMENT	18,649.38	IRWD Wire	Negotiable
15078	26-Aug-22	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	3,154.69	IRWD Wire	Negotiable
15079	26-Aug-22	EMPOWER RETIREMENT, LLC	192,525.84	IRWD Wire	Negotiable
15080	29-Aug-22	CALPERS	270,798.28	IRWD Wire	Negotiable
15081	30-Aug-22	YORK RISK SERVICES GROUP, INC.	4,393.47	IRWD Wire	Negotiable
15082	30-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	1,926.60	IRWD Wire	Negotiable
15083	30-Aug-22	CHARD SNYDER & ASSOCIATES, INC.	340.00	IRWD Wire	Negotiable
15084	30-Aug-22	ORANGE COUNTY SANITATION DISTRICT	170,596.00	IRWD Wire	Negotiable
15085	30-Aug-22	CALPERS	577,943.28	IRWD Wire	Negotiable
15086	30-Aug-22	CALPERS	3,540.36	IRWD Wire	Negotiable
15087	30-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	2,734.38	IRWD Wire	Negotiable
15088	30-Aug-22	U.S. BANK NATIONAL ASSOCIATION	2,741,250.00	IRWD Wire	Negotiable
15089	31-Aug-22	YORK RISK SERVICES GROUP, INC.	3,814.59	IRWD Wire	Negotiable
15090	31-Aug-22	BANK OF AMERICA MERRILL LYNCH	56,161.69	IRWD Wire	Negotiable
15091	31-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	6,041.67	IRWD Wire	Negotiable
15092	31-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	38,906.25	IRWD Wire	Negotiable
15093	31-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	75,833.33	IRWD Wire	Negotiable
15094	31-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	10,529.89	IRWD Wire	Negotiable
15095	31-Aug-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	2,343.75	IRWD Wire	Negotiable
<b>SUB-TOTAL AP ELECTRONIC DISBURSEMENTS</b>			<b>10,675,951.33</b>		
<b>SUB-TOTAL AP CHECK AND ELECTRONIC DISBURSEMENTS</b>			<b>27,805,539.22</b>		
429547	4-Aug-22	MERDZHANOVA, DARENA	30.86	IRWD Check	Voided
429616	4-Aug-22	WANG, MINGSHENG	391.90	IRWD Check	Voided
429738	11-Aug-22	PULTE GROUP	136.70	IRWD Check	Voided
429759	11-Aug-22	TAYLOR MORRISON OF CALIFORNIA, LLC	169.59	IRWD Check	Voided
<b>SUB-TOTAL AP CHECK ISSUED AND VOIDED IN AUGUST 2022</b>			<b>729.05</b>		
<b>TOTAL AP DISBURSEMENTS AND VOIDS FOR AUGUST 2022</b>			<b>27,806,268.27</b>		

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Exhibit "E"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

August  
2022

	AMOUNT	VENDOR	PURPOSE
8/12/2022	1,195,315.53	BANK OF AMERICA	ACH Payments for Payroll
8/26/2022	1,201,309.93	BANK OF AMERICA	ACH Payments for Payroll
	<u><u>\$2,396,625.46</u></u>		

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Exhibit "F"


**IRWD Gov Code 53065.5 Disclosure Report**

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

01-AUG-22 to 31-AUG-22

NAME	CHECK NO.	CHECK DATE	AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Arana, Michael	429624	11-Aug-22	499.00	Registration Fees	CalPERS Annual Education Forum, Anaheim, CA - November 1-3, 2022
Burgoon, Timothy	429954	25-Aug-22	397.00	Certification Renewal	Certified Control System Technician Level II Specialist
Cano, Marco	429947	22-Aug-22	107.45	Other(Misc)	Fuel Charge for District Van - Attended Tri State Seminar, Las Vegas, NV - August 8-11, 2022
Habiger, Steve	429794	18-Aug-22	105.00	Certification Renewal	SWRCB Water Treatment Operator Grade IV
LaMar, Steven E	429626	11-Aug-22	254.47	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 2, 2022
LaMar, Steven E	429626	11-Aug-22	254.47	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 3, 2022
LaMar, Steven E	429626	11-Aug-22	254.47	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 4, 2022
LaMar, Steven E	429626	11-Aug-22	224.50	Lodging	ACWA Executive Committee & Board of Directors' meeting, Sacramento, CA - June 2, 2022
Oldewage, Lars	429955	25-Aug-22	125.00	Other(Misc)	Safety Shoe Reimbursement
Perez, Cesar	429949	22-Aug-22	192.00	Membership Renewal	CWEA membership
Perez, Cesar	429949	22-Aug-22	101.00	Certification Renewal	CWEA Mechanical Technician III
Reed, James W	429950	22-Aug-22	288.00	Certification Renewal	OCHCA Backflow Tester Certification
Reinhart, Douglas	429628	11-Aug-22	254.47	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 3, 2022
Reinhart, Douglas	429628	11-Aug-22	254.47	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 4, 2022
Schreiner, Terrance	429958	25-Aug-22	312.00	Certification Renewal	CWEA Electrical Instrumentation Grade IV
Swan, Peer	429629	11-Aug-22	596.96	Airfare	Water Education Foundation: The Basics & Beyond, Sacramento, CA - April 7-8, 2022
Swan, Peer	429629	11-Aug-22	207.99	Lodging	Water Education Foundation: The Basics & Beyond, Sacramento, CA - April 7, 2022
Swan, Peer	429629	11-Aug-22	362.97	Airfare	Water Education Foundation: Central Valley Tour, Sacramento, CA - April 19-20, 2022
Swan, Peer	429629	11-Aug-22	165.85	Lodging	Water Education Foundation: Central Valley Tour, Sacramento, CA - April 19, 2022
Swan, Peer	429629	11-Aug-22	327.96	Airfare	ACWA Annual Spring Conference, Sacramento, CA - May 2-5, 2022
Swan, Peer	429629	11-Aug-22	252.37	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 2, 2022
Swan, Peer	429629	11-Aug-22	252.37	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 3, 2022
Swan, Peer	429629	11-Aug-22	252.37	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 4, 2022
Swan, Peer	429629	11-Aug-22	352.96	Airfare	Water Education Foundation: Bay-Delta Tour, Sacramento, CA - May 17-18, 2022
Swan, Peer	429629	11-Aug-22	263.60	Lodging	Water Education Foundation: Bay-Delta Tour, Sacramento, CA - May 17, 2022
Swan, Peer	429629	11-Aug-22	489.97	Airfare	California-United Water Conference: Caldor Fire Tour, El Dorado Hills, CA - June 22-24, 2022
Swan, Peer	429629	11-Aug-22	237.03	Lodging	California-United Water Conference: Caldor Fire Tour, El Dorado Hills, CA - June 22, 2022
Swan, Peer	429629	11-Aug-22	237.03	Lodging	California-United Water Conference: Caldor Fire Tour, El Dorado Hills, CA - June 23, 2022
Withers, John B	429630	11-Aug-22	252.37	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 3, 2022
Withers, John B	429630	11-Aug-22	252.37	Lodging	ACWA Annual Spring Conference, Sacramento, CA - May 4, 2022
<b>Total Amount:</b>			<b>\$8,127.47</b>		

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September 26, 2022  
Prepared and  
submitted by: C. Compton  
Approved by: Paul A. Cook 

## CONSENT CALENDAR

### 2022 LEGISLATIVE AND REGULATORY UPDATE

#### SUMMARY:

This report provides an update on the 2021-2022 legislative session, regulatory issues, and IRWD priorities. As legislation and regulations develop, staff will provide updates and recommendations to the Water Resources Policy and Communications Committee and to the Board, as appropriate. Staff recommends the Board receive and file this report.

#### BACKGROUND:

On August 11, 2022, the Senate and Assembly Appropriations Committees both held their respective Suspense File hearing. The Senate Appropriations Committee acted on 491 bills. The committee passed 368 bills and held 123 bills on suspense. The Assembly Appropriations Committee acted on 323 bills. The committee passed 244 bills and held 79 bills on suspense.

The Suspense File hearings marked the beginning of the final two weeks of the 2021-2022 legislative session. It began with 639 active measures on the Senate floor and 378 active measures on the Assembly floor. August 25, 2022 was the last day to amend bills on the floor, and August 31 was the last day for the Legislature to pass bills during the regular session. September 30 is the last day for the Governor to sign or veto bills passed by the Legislature during this year's regular session.

A copy of the 2022 Legislative Matrix is provided as Exhibit "A". Links to the bills discussed below are included with each discussion unless a separate exhibit is noted.

#### California's Water Supply Strategy: Adapting to a Hotter, Drier Future:

On August 11, 2022, Governor Newsom released "[California's Water Supply Strategy: Adapting to a Hotter, Drier Future](#)." The document is a follow-up to his Water Resilience Portfolio. While the Portfolio outlines a larger number of actions needed to build water resiliency for California, the Strategy "outlines California's strategy and priority actions to adapt and protect water supplies in an era of rising temperatures," and focuses on the statement that "California could lose 10 percent of its water supplies" over the next 20 years. Specifically, the Strategy calls for:

- Recycling and reusing at least 800,000 acre-feet of water per year by 2030 and 1.8 million acre-feet by 2040;
- Expanding brackish groundwater desalination production by 28,000 acre-feet per year by 2030 and 84,000 acre-feet per year by 2040 and helping guide location of seawater desalination projects "where they are cost effective and environmentally appropriate";
- Expanding average annual groundwater recharge by at least 500,000 acre-feet;

- Working with local proponents to complete the seven Proposition 1-supported storage projects (includes the Kern Fan Groundwater Storage Project) and considering funding other viable surface storage projects;
- Expanding San Luis Reservoir by 135,000 acre-feet;
- Rehabilitating dams to regain storage capacity;
- Supporting local stormwater capture projects with the goal of increasing annual supply capacity by at least 250,000 acre-feet by 2030 and 500,000 acre-feet by 2040;
- Reducing annual urban water demand by at least 500,000 acre-feet by 2030;
- Helping to stabilize groundwater supplies;
- Improving data collection and adjusting forecasts for climate change;
- Improving conveyance, including Delta conveyance; and
- Modernizing water rights administration for equity, access, flexibility, and transparency.

2022 State Legislative Update:

*SB 222 (Dodd, D-Napa) – Water Rate Assistance Program:*

SB 222 would establish a permanent California low-income water and wastewater rate assistance program (WRAP), administered by the State Water Resources Control Board. As discussed previously with the Water Resources Policy and Communications Committee, June 23, 2022, amendments largely took the bill back to where the bill was before IRWD and others removed their opposition to the bill last year. The author amended the bill on August 11, 2022, resolving some of IRWD’s concerns with the bill, but several significant problematic provisions remained. The bill was amended again on August 24, 2022, with additional amendments to further address some of the concerns of IRWD and water community. Despite these amendments, the bill still did not clearly place the responsibility for enrolling Californians with the State Board, along with other requested changes. The bill passed the Legislature and was presented to the Governor on September 6, 2022. As of the writing of this report, the bill awaits action by the Governor. IRWD has an “oppose unless amended” position on the bill.

*SB 361 (Umberg, D-Santa Ana) – Surplus Land: City of Anaheim:*

SB 361 would have required, until January 1, 2030, the County of Orange and any city located within Orange County, if notified by HCD that its planned sale of surplus land is in violation of the Surplus Land Act, to cure or correct the alleged violation within 60 days. A jurisdiction that had not cured or corrected an alleged violation within 60 days would be prohibited from disposing of the parcel until the department deemed the alleged violation not to be a violation. Staff sought amendments that would remove all references to leases from the bill, and on August 15, 2022, the bill was amended to narrow the bill’s applicability to the City of Anaheim and to remove the final remaining reference to leases from the bill. Later that week, the author opted not to continue to move the bill and on August 18, 2022, the bill was ordered to the Assembly Inactive File.



*SB 1157 (Hertzberg, D-Van Nuys) – Indoor Residential Water Use Standard:*

SB 1157 would lower the indoor residential water use standard, as recommended to the Legislature jointly by the Department of Water Resources (DWR) and the State Board. Specifically, SB 1157 would modify the indoor residential water use standards as follows:

<b>Time Frame</b>	<b>Existing Standard</b>	<b>Proposed Standard</b>
Until January 1, 2025	55 gallons per capita daily (gpcd)	55 gpcd
January 1, 2025 – January 1, 2030	52.5 gpcd	47 gpcd
After January 1, 2030	50 gpcd	42 gpcd

The bill was last amended on August 25, 2022. Those amendments included:

- A new component to the study the DWR is required to conduct, including the requirement that DWR must consider and incorporate other studies quantifying impacts on water, wastewater, and recycled water systems, and evaluate the long-term effects of telework;
- Changing the due date for the study from January 1, 2027, to October 1, 2028;
- A requirement that the determination for a delayed implementation of the 2030 standard due to impacts to affordability now needs to be based on two years of data reflecting the implementation of the 2025 standard;
- A change in the variance language to permit DWR to consider recommending variances to the State Board, rather than the Board considering adoption them;
- Permissive language that DWR can recommend a variance to address adverse impacts to recycled water operations; and
- New language that explicitly states the indoor residential water standard is not separately enforceable.

While the last set of amendments enhance the bill’s study provisions and add variances to reduce impacts to recycled water operations to the variance options, it does not ensure the protection of recycled water suppliers. As a result, IRWD currently has an “oppose” position on SB 1157 due to the unintended consequences the standard to 42 gpcd would have on the quality of IRWD’s recycled water. The bill passed the Legislature and was presented to the Governor on September 13, 2022. As of the writing of this report, the bill awaits action by the Governor.

Other 2022 State Bills of Interest:

As has been traditionally done at the end of the legislative session, staff has provided an update on others bills still active at the end of the legislative session and that were of interest to IRWD. A status report on each bill is provided below:

- *AB 1817 (Ting, D-San Francisco) – Textile Articles Containing Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS):* AB 1817 would prohibit the manufacture, distribution, sale, or offering of any new, not previously owned textile article, as defined, that contains PFAS, beginning January 1, 2025. The bill passed the Legislature and was presented to the Governor on September 12, 2022. As of writing of this report, the bill awaits action by the Governor;
- *AB 2106 (R. Rivas, D-Hollister) – Water Quality Permits:* AB 2106 would require the State Board to modernize its stormwater data collection systems and software, and establish a statewide commercial, industrial, and institutional (CII) NPDES order regulating stormwater and authorized non-stormwater discharges from facilities that are a significant contributor of pollutants to federally protected surface waters, as determined by the State Board. The bill passed the Legislature and was presented to the Governor on September 12, 2022. As of the writing of this report, the bill awaits action by the Governor;
- *AB 2108 (R. Rivas, D-Hollister) – Environmental Justice: Disadvantaged and Tribal Communities:* AB 2108 would require that the State Board have at least one member qualified in the field of water supply and water quality relating to disadvantaged or tribal communities, and that each regional board have at least one person with specialized experience relating to disadvantaged or tribal communities. The bill would also require the State Board and each regional board to make a specified finding on potential environmental justice, tribal impact, and racial equity considerations when adopting water quality control plans or state policies for water quality control, and when issuing or reissuing waste discharge requirements or waivers of waste discharge requirements. The Governor signed this bill into law;
- *AB 2142 (Gabriel, D-Encino) – Turf Replacement Rebate Income Tax Exclusion:* AB 2142 would provide a personal income tax and corporate tax exclusion for turf removal rebates, vouchers, or other financial incentives received by water customers between January 1, 2022, and January 1, 2027. IRWD currently has a “support” position on AB 2142. The bill passed the Legislature and was presented to the Governor on August 30, 2022. As of the writing of this report, the bill awaits action by the Governor;
- *AB 2186 (Grayson, D-Concord) – Housing Cost Reduction Incentive Program:* AB 2186 would establish the Housing Cost Reduction Incentive Program, which would reimburse cities and counties for development impact fee reductions provided to qualified rental housing developments, and for the reasonable interest costs associated with impact fee deferrals. This bill was held on suspense in the Senate Appropriations Committee;
- *AB 2247 (Bloom, D-Santa Monica) – PFAS Products and Components Publicly Accessible Data Collection Interface:* AB 2247 would require, on or before July 2025, PFAS products and product components containing intentionally-added PFAS to be registered on a publicly accessible data collection interface created by the Department of Toxic Substances Control and the Interstate Chemicals Clearinghouse. The bill passed the Legislature and was presented to the Governor on September 12, 2022. As of the writing of this report, the bill awaits action by the Governor;
- *AB 2536 (Grayson, D-Concord) – Impact Fee Nexus Studies: Connection Fees and Capacity Charges:* AB 2536, as introduced, would have impacted IRWD’s ability to set

and charge cost-of-service-based connection fees, but this bill was amended to remove the proposed requirement for a local agency that imposes a fee or capacity charge to support the estimate of reasonable cost of providing service by following specified standards and practices. IRWD's existing practices meet the amended bill's evaluation requirements. The Governor has signed this bill into law;

- *SB 938 (Hertzberg, D-Van Nuys) – Cortese-Knox-Hertzberg Proceedings:* SB 938, in addition to consolidating the protest threshold provisions in the Cortese-Knox-Hertzberg Act, would establish a new voter protest threshold for LAFCO-initiated special district dissolutions under specified conditions. IRWD maintained a “support” position on SB 938. The Governor has signed this bill into law; and
- *SB 1044 (Durazo, D-Los Angeles) – Emergency Condition Employer Retaliation:* SB 1044 would prohibit an employer from taking or threatening adverse action against any employee for refusing to report to, or leaving, a workplace or worksite because the employee has a reasonable belief that the workplace or worksite is unsafe. SB 1044 was amended on May 19, 2022, to exempt disaster service workers, among others. The bill passed the Legislature and was presented to the Governor on August 30, 2022. As of writing of this report, awaits action by the Governor; and
- *Legislation Related to the Brown Act:*
  - *AB 1944 (Lee, D-Milpitas) – Local Agency Teleconferences:* AB 1944 would allow members of a legislative body of a local agency to use teleconferencing without identifying each teleconference location in the notice and agenda of the meeting or proceeding, and without making each teleconference location accessible to the public, if at least a quorum of members of the legislative body participates from a single physical location. This bill was double referred to the Senate Governance and Finance Committee and Judiciary Committee and they did not receive a hearing by the deadline; and
  - *AB 2449 (B. Rubio, D-Baldwin Park) – Local Agency Teleconferences:* AB 2449 would allow, until January 1, 2026, members of a legislative body of a local agency to use teleconferencing without identifying each teleconference location in the notice and agenda of the meeting, and without making each teleconference location accessible to the public, if at least a quorum of the members of the body participates in person and other conditions are met. The Governor has signed this bill into law.

### 2022 State and Regional Regulatory Update:

#### *State Auditor Report and State Board Efforts on Safe Drinking Water for Failing Systems:*

Following the creation of the Safe and Affordable Drinking Water Fund by SB 200 (Monning, D-Carmel) of 2019, which provides up to \$130 million annually through 2030, the State Board established the Safe and Affordable Funding for Equity and Resilience (SAFER) Program to assist water systems with short-term and long-term solutions for safe, adequate, and affordable drinking water.

The State Board establishes project funding priorities with an annual Fund Expenditure Plan, which is based on its Drinking Water Needs Assessment. In producing the Drinking Water Needs Assessment in 2021 and 2022, and as it works to develop the 2023 Drinking Water Needs Assessment, the State Board has continued to update the criteria and modeling used in the several components, those being the Risk Assessment, Cost Assessment, and Affordability Assessment. In August, State Board staff hosted a public webinar on proposed updates to the drinking water cost assessment model and the first of three scheduled affordability workshops in 2022. The proposed new drinking water cost assessment model favors physical consolidation over other solutions, and State Board staff are continuing to consider pros and cons of various measures of affordability. Staff will continue to monitor the development of the 2023 Drinking Water Needs Assessment as State Board staff solicits stakeholder feedback.

On July 26, 2022, the California State Auditor released a report titled “[State Water Resources Control Board: It Lacks the Urgency Necessary to Ensure That Failing Water Systems Receive Needed Assistance in a Timely Manner.](#)” which is an audit of the Safe and Afford Drinking Water Fund and program. This report concludes that, while there is funding available for the State Board to help the more than 370 failing water systems throughout California, “the board has generally demonstrated a lack of urgency in providing this critical assistance.” The report is critical of the State Board’s lengthy and “cumbersome” funding application process for failing water systems and finds that there is insufficient communication and follow-up with water systems.

The State Board offers access to technical service providers for failing water systems that lack sufficient technical expertise for project development and that require assistance with funding applications, but the Auditor found that the State Board does not sufficiently monitor the performance of these providers. According to the report, projects become more expensive the longer it takes for the State Board to fund them, and funding delays increase the likelihood of negative health outcomes for Californians served by failing water systems. The State Board disagreed with some of the conclusions in the report, but generally accepted the recommendations and committed to working to implement them.

#### *Other 2022 State Regulations:*

The following is a list of some of the State regulations and agency reports staff is monitoring, tracking, or planning to engage in over the next three to 12 months. As the next drafts of the regulations or reports are released for public review and comment, staff will engage, as appropriate. The pending regulations, administrative actions and reports actively being tracked include the:

- Executive and regulatory actions on COVID-19;
- Executive and regulatory actions related to the drought;
- California Air Resources Board (CARB) [AB 32 Climate Change Scoping Plan Update](#);
- CARB’s [Proposed Advanced Clean Fleets Regulation](#);
- CARB’s [Proposed In-use Off-road Diesel-Fueled Fleets Regulation Amendments](#);
- California Endangered Species Act Listing for the Southern California steelhead;

- California Natural Resources Agency (CNRA) [30 x 30 California Implementation](#);
- CNRA's [Water Resilience Portfolio Implementation](#) and Resiliency 2.0 Implementation;
- DWR's 2023 California Water Plan Update;
- DWR and the State Board's implementation of the "[Making Water Conservation a California Way of Life](#)" legislation;
  - DWR and the State Board's Indoor Water Use Study and Indoor Water Use Standard Recommendations;
  - DWR's Outdoor Standard Recommendations;
  - DWR's Work Group on CII performance measures; and
  - State Board's [Water Loss Performance Standards Regulations](#);
- OPR's [Integrated Climate Adaptation and Resiliency Program \(ICARP\) Grant Programs](#);
- State Board's development of a "Cross Connection Policy Handbook;"
- State Board's Direct Potable Reuse regulations;
- State Board's actions on lead service lines;
- State Board's [Draft Statewide Sanitary Sewer System General Order](#);
- State Board's [Safe and Affordable Funding for Equity and Resilience \(SAFER\) Drinking Water Program](#);
- State Board's [Proposed Vapor Intrusion Assessment Amendment to Resolution 92-49](#);
- and
- South Coast AQMD's [Cumulative Impacts from Air Toxics for CEQA Projects](#).

#### 2022 Federal Legislative and Regulatory Update:

##### *Kern Fan Groundwater Storage Project Outreach:*

IRWD's federal advocacy efforts in 2022 continue to largely focus on seeking federal funding for the Kern Fan Groundwater Storage Project and advocating for an increased funding authorization for the federal Water Storage Program. Staff will provide an update on those efforts.

##### *Inflation Reduction Act Drought Response and Preparedness Provisions:*

H.R. 5376, known as the [Inflation Reduction Act of 2022](#), was signed into law by President Joe Biden on August 16, 2022. The Act contains various funding provisions relating to climate change and other subjects and includes funding for drought response and preparedness.

Specifically, the drought response and preparedness funding include:

- \$4 billion for activities to mitigate the impacts of drought in western states, with priority given to the Colorado River Basin and other basins experiencing comparable levels of long-term drought, to reduce water diversions, consumptive water use, and demand for water supplies, and for ecosystem and habitat restoration projects;

- \$550 million for disadvantaged communities for up to 100 percent of the cost of the planning, design, or construction of domestic water supply projects; and
- \$25 million for projects to cover water conveyance facilities with solar panels or for other solar projects that increase water efficiency and assist in implementation of clean energy goals.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Policy and Communications Committee on September 1, 2022.

RECOMMENDATION:

RECEIVE AND FILE.

LIST OF EXHIBITS:

Exhibit “A” – IRWD Legislative Matrix

**EXHIBIT “A”**  
**IRWD 2022 LEGISLATIVE MATRIX**  
**Updated 08/29/2022**

<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>AB 84</u></b> Budget Cmt	COVID 19: Supplemental Paid Sick Leave		Provides for COVID 19 supplemental paid sick leave for covered employees who are unable to work or telework due to certain reasons related to COVID 19, including that the employee is attending a COVID 19 vaccine or vaccine booster appointment for themselves or a family member, or is experiencing symptoms, or caring for a family member experiencing symptoms, related to a COVID 19 vaccine or vaccine booster. Entitles a covered employee to a specified number of hours of COVID 19 supplemental paid sick leave.	02/09/2022 - Re-referred to SENATE Committee on BUDGET AND FISCAL REVIEW.
<b><u>AB 154</u></b> Ting (D)	Budget Act		Makes appropriations for the support of state government for specified fiscal year.	08/15/2022 - In SENATE. To Inactive File.
<b><u>AB 284</u></b> Rivas R (D)	Global Warming Solutions Act of 2006: Climate Goal		Requires the state board, as part of the next scoping plan update, in collaboration with the Natural Resources Agency and other relevant state agencies and departments and no later than a specified date, to identify a 2045 climate goal, with interim milestones, for the state's natural and working lands, as defined, and to integrate into the scoping plan update recommendations developed by the Natural Resources Agency and the Department of Food and Agriculture.	09/02/2021 - In SENATE. From third reading. To Inactive File.
<b><u>AB 350</u></b> Villapudua (D)	Cannella Environmental Farming Act of 1995		Requires the Department of Food and Agriculture to establish and administer a 3-year grant program to fund technical assistance to support landowners located in a critically overdrafted basin, as defined, in reaching water use reduction goals established pursuant to the Sustainable Groundwater Management Act. Authorizes the department to use specified guidelines to administer this program.	09/02/2021 - In SENATE. From third reading. To Inactive File.
<b><u>AB 649</u></b> Bennett (D)	Department of Resources Recycling and Recovery		Establishes the Office of Environmental Justice and Tribal Relations within the Department of Resources Recycling and Recovery. Prescribes the duties of the office, including, among others, ensuring that the department's programs effectively address	08/24/2022 - Enrolled.

**IRWD 2022 LEGISLATIVE MATRIX**  
**Updated 08/29/2022**

<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
			the needs of disadvantaged communities, low-income communities, California Native American tribes, and farmworkers.	
<b><u>AB 975</u></b> Rivas (D)	Filing Requirements and Gifts		Permits a filing officer to retain a report or statement filed in a paper format as a copy on microfilm or other space-saving materials or as an electronic copy, as specified, without a two-year waiting period. Permits a filing officer to retain a report or statement as an electronic copy before the Secretary of State certifies an online filing and disclosure system.	08/22/2022 - In SENATE. From third reading. To Inactive File.
<b><u>AB 1041</u></b> Wicks (D)	Leave Issues		Expands the class of people for whom an employee may take leave to care for to include a designated person. Defines "designated person" to mean any individual related by blood or whose association with the employee is the equivalent of a family relationship. Authorizes a designated person to be identified at the time the employee requests the leave.	08/25/2022 - In ASSEMBLY. Assembly Rule 77 suspended.;08/25/2022 - In ASSEMBLY. ASSEMBLY concurred in SENATE amendments. To enrollment.
<b><u>AB 1164</u></b> Flora (R)	Publicly Owned or Operated Regulating Basins		Excludes from being considered a dam a regulating basin, as defined, owned or operated by a public entity that is not across a stream channel, watercourse, or natural drainage if certain criteria are met. Includes that the owner or operator of the regulating basin, before the construction of the regulating basin, submit to the department an inundation map, stamped by a licensed civil engineer, identifying the flow and depth of water from the regulating basin in the event of a failure.	08/25/2022 - In ASSEMBLY. Assembly Rule 77.2 suspended.;08/25/2022 - Re-referred to ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
<b><u>AB 1384</u></b> Gabriel (D)	Resiliency Through Adaptation, Economic Vitality		Requires the agency to also coordinate with the Office of Planning and Research and identify, among other things, vulnerabilities to climate change for vulnerable communities, an operational definition of "climate resilience" for each sector and for vulnerable communities, special protections of vulnerable communities and industries that are disproportionately impacted by climate change, opportunities to improve policy and budget coordination across jurisdictions, and timetables and specific metrics.	08/27/2022 - Enrolled.



**IRWD 2022 LEGISLATIVE MATRIX**  
**Updated 08/29/2022**

<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>AB 1395</u></b> Muratsuchi (D)	The State Climate Crisis Act		Declares the policy of the state both to achieve net zero greenhouse gas emissions as soon as possible, but no later than a specified year, and achieve and maintain net negative greenhouse gas emissions thereafter, and to ensure that by a specified year, statewide anthropogenic greenhouse gas emissions are reduced to at least 90% below the 1990 levels.	08/23/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 1604</u></b> Holden (D)	Civil Service: The Upward Mobility Act of 2022		Requires the State Personnel Board to post notices of proposed changes to regulations for public comment. Requires the Department of Human Resources and the board to enter into a memorandum of understanding to determine areas of compliance for nonmerit-related audits and to train board staff on the areas of compliance.	08/25/2022 - In ASSEMBLY. Assembly Rule 77 suspended.;08/25/2022 - In ASSEMBLY. ASSEMBLY concurred in SENATE amendments. To enrollment.
<b><u>AB 1642</u></b> Salas (D)	California Environmental Quality Act: Water System Well		Requires a lead agency, before determining that a well project is exempt from California Environmental Quality Act pursuant to these provisions, to contact the state board to determine whether claiming the exemption will affect the ability of the well project to receive federal financial assistance or federally capitalized financial assistance.	08/25/2022 - In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY for concurrence.;08/25/2022 - In ASSEMBLY. Assembly Rule 77(a) suspended.
<b><u>AB 1687</u></b> Seyarto (R)	California Emergency Services Act: Governor's Powers		Provides that the Governor may only suspend a statute or regulation during a state of emergency or state of war emergency in connection with the specific conditions of emergency proclaimed by the Governor or state of war emergency, as applicable.	08/27/2022 - Enrolled.
<b><u>AB 1711</u></b> Seyarto (R)	Privacy: Breach		Requires an agency to post a notice on the agency's internet website when a person or business operating a system on behalf of the agency is required to issue a security breach notification for that system.	08/27/2022 - Enrolled.
<b><u>AB 1717</u></b>	Public Works: Definition		Expands the definition of public works to include fuel reduction work done under contract and paid for in whole or in part out of	08/25/2022 - In SENATE. Read second time. To third reading.

**IRWD 2022 LEGISLATIVE MATRIX**  
**Updated 08/29/2022**

<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
Aguiar-Curry (D)			public funds performed as part of a fire mitigation project, as specified. Limits those provisions to work that falls within an apprenticeship occupation in the building and construction trades for which an apprenticeship program has been approved and to contracts in excess of \$100,000. Delays the application of those provisions until specified date for nonprofits.	
<b><u>AB 1747</u></b> Quirk (D)	Contractors: Disciplinary Action		Provides that the list of violations that constitute cause for a disciplinary action by the Contractors State License Board includes a willful or deliberate disregard of any state or local law relating to the issuance of building permits, and authorizes a civil penalty not to exceed \$30,000 for any violation included on the list.	08/24/2022 - Enrolled.
<b><u>AB 1749</u></b> Garcia (D)	Community Emissions Reduction Programs		Requires the State Air Resources Board to identify in each statewide strategy update measures to reduce criteria air pollutants and toxic air contaminants. Authorizes an air district that is required to adopt a community emissions reduction program to take up to one additional year to adopt the program, if the state board and a majority of the persons who are designated by the district to participate in the development and adoption of the program agree.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.
<b><u>AB 1751</u></b> Daly (D)	Workers' Compensation: COVID-19: Critical Workers		Extends specified workers' compensation provisions relating to COVID-19 until specified date. Expands the above-described provisions applicable to firefighters and police officers to include active firefighting members of a fire department at the State Department of State Hospitals, the State Department of Developmental Services, the Military Department, and the Department of Veterans Affairs and to officers of a state hospital under the jurisdiction of the State Department of State Hospitals.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.
<b><u>AB 1780</u></b> Chen (R)	Corporations: Shareholders' Meetings		Authorizes a corporation to conduct a meeting of shareholders solely by electronic transmission by and to the corporation, electronic video screen communication, conference telephone, or other means of remote communication if the meeting is conducted	08/25/2022 - In ASSEMBLY. Assembly Rule 77 suspended.;08/25/2022 - In ASSEMBLY. ASSEMBLY concurred

**IRWD 2022 LEGISLATIVE MATRIX**  
**Updated 08/29/2022**

<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
			on or before specified date, as specified, and includes a live audiovisual feed for the duration of the meeting. Incorporates additional changes to Section 600 of the Corporations Code proposed by SB 1202 to be operative only under specified circumstances.	in SENATE amendments. To enrollment.
<b><u>AB 1783</u></b> Levine (D)	Lobbying: Administrative Actions		Expands the definition of "administrative action" under the Political Reform Act of 1974 to include any decision or approval by the Insurance Commissioner or the Director of the Department of Managed Health Care under these provisions.	08/27/2022 - Enrolled.
<b><u>AB 1793</u></b> Quirk (D)	Hazardous Waste: Acute Aquatic Toxicity Criterion		Requires the Department of Toxic Substances Control, subject to an appropriation by the Legislature in the Budget Act of 2022 that implements a proposal to review the department's hazardous waste criteria, and as part of the department's comprehensive evaluation of its criteria and guidelines for the identification of hazardous wastes and extremely hazardous wastes, to review its acute toxicity criterion, as provided.	08/27/2022 - Enrolled.
<b><u>AB 1811</u></b> Fong M (D)	Local Flood Protection: Planning: Climate Change		Relates to authorization of a local agency to prepare a local plan of flood protection, including a strategy to meet the urban level of flood protection. Requires this strategy, if a plan is prepared by a local agency, to also include planning for climate change and rainwater and stormwater management. Requires the plan to additionally include an update on the status of coordination with water suppliers on how the management of flood waters can bolster local water supplies.	08/26/2022 - Signed by GOVERNOR.;08/26/2022 - Chaptered by Secretary of State. Chapter No. 2022-176
<b><u>AB 1817</u></b> Ting (D)	Product Safety: Textile Articles: PFAS		Prohibits, beginning specified date, any person from manufacturing, distributing, selling, or offering for sale in the state any new, not previously owned, textile articles that contain regulated perfluoroalkyl and polyfluoroalkyl substances, except as specified, and requires a manufacturer to use the least toxic alternative when removing regulated PFAS in textile articles.	08/25/2022 - In SENATE. Read second time. To third reading.

**IRWD 2022 LEGISLATIVE MATRIX**  
**Updated 08/29/2022**

<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>AB 1824</u></b> Public Employment and Retirement Cmt	Public Employees' Retirement		Relates to the Teachers' Retirement Law, the State Teachers' Retirement System and the Defined Benefit Program of the State Teachers' Retirement Plan. Relates to the Cash Balance Benefit Program which provides a retirement plan for the benefit of participating employees who provide creditable service for less than 50% of full time. Revises the description of trustee service. Specifies that termination of creditable services does not include retired member activities or retired participant activities.	08/23/2022 - *****To GOVERNOR.
<b><u>AB 1845</u></b> Calderon (D)	Metropolitan Water District of Southern California		Authorizes the Metropolitan Water District of Southern California to use the design-build procurement process for certain regional recycled water projects or other water infrastructure projects. Defines "design-build" to mean a project delivery process in which both the design and construction of a project are procured from a single entity. Requires the district to use a specified design-build procedure to assign contracts for the design and construction of a project, as defined.	08/27/2022 - Enrolled.
<b><u>AB 1851</u></b> Rivas R (D)	Public Works: Prevailing Wage: Hauling		Expands the definition of public works certain purposes to include the on-hauling of materials used for paving, grading, and fill onto a public works site if the individual driver's work is integrated into the flow process of construction.	08/23/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 1857</u></b> Garcia (D)	Solid Waste		Requires the Department of Resources Recycling and Recovery, in consultation with the California Workforce Development Board and the Department of Industrial Relations to submit policy recommendations to the Legislature on how to increase job opportunities and improve labor standards and worker pay related to the zero-waste job sector.	08/24/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 1879</u></b> Mathis (R)	Water Quality Control Boards Frivolous Complaints		Authorizes a regional board to develop a plan or policy to address unfounded or frivolous complaints.	08/27/2022 - Enrolled.

**IRWD 2022 LEGISLATIVE MATRIX**  
**Updated 08/29/2022**

<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>AB 1886</u></b> Cooper (D)	Public Works: Definition		Expands the definition of public works to include street sweeping, as defined, maintenance performed for the routine cleaning of any publicly owned or publicly operated street, road, or highway done under contract and paid for in whole or in part out of public funds.	08/25/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 1906</u></b> Stone (D)	Voluntary Stream Restoration: Property Owner Liability		Requires costs incurred by a qualifying state agency in settling, in addition to investigating and defending against, a claim by a real property owner to be paid from the General Fund.	08/27/2022 - Enrolled.
<b><u>AB 1933</u></b> Friedman (D)	Property Taxation: Welfare Exemption: Nonprofit		Makes a nonprofit corporation liable for property tax for the years for which the property was exempt from taxation pursuant to the bill's provisions if the property was not developed or rehabilitated, or if the development or rehabilitation is not in the course of construction, by specified dates depending on the date the nonprofit corporation acquired the property.	08/27/2022 - Enrolled.
<b><u>AB 1949</u></b> Low (D)	Employees: Bereavement Leave		Makes it an unlawful employment practice for an employer to refuse to grant a request by an eligible employee to take up to 5 days of bereavement leave upon the death of a family member, as defined. Requires that leave be completed within 3 months of the date of death. Requires that leave be taken pursuant to any existing bereavement leave policy of the employer.	08/17/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 1985</u></b> Rivas R (D)	Organic Waste: Recovered Organic Waste Product		Requires any penalties imposed by the Department of Resources Recycling and Recovery, on a local jurisdiction that fails to meet its recovered organic waste procurement target to be imposed pursuant to a specified schedule based on the percentage of the local jurisdiction's recovered organic waste product procurement target achieved. Exempts jurisdictions in possession of a specified rural exemption from these requirements until specified date.	08/27/2022 - Enrolled.
<b><u>AB 2059</u></b> Carrillo (D)	Hazardous Materials Business and Area Plans		Requires a supplier, as defined, that sells or provides a certain amount of hazardous materials meeting certain requirements to a business in the state in certain quantities to maintain records	08/25/2022 - In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY for

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			containing certain information concerning the sale or provision of the hazardous materials for a minimum of one year and would require the suppliers to make those records immediately available to a UPA a minimum of one year request.	concurrence.;08/25/2022 - In ASSEMBLY. Assembly Rule 77 suspended.;08/25/2022 - In ASSEMBLY. ASSEMBLY concurred in SENATE amendments. To enrollment.
<b><u>AB 2061</u></b> Ting (D)	Transportation Electrification: Electric Vehicle Charge		Requires the Energy Commission, in consultation with the Public Utilities Commission, to develop uptime recordkeeping and reporting standards for electric vehicle chargers and charging stations by specified date.	08/24/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 2075</u></b> Ting (D)	Energy: Electric Vehicle Charging Standards		Specifies the State Energy Resources Conservation and Development Commission (Energy Commission) is an interested party that the California Building Standards Commission and the Department of Housing and Community Development are required to consult with in proposing and adopting standards related to electric vehicle charging standards.	08/23/2022 - *****To GOVERNOR.
<b><u>AB 2106</u></b> Rivas R (D)	Water Quality: Permits		Requires the State Water Resources Control Board to establish a statewide commercial, industrial, and institutional national pollutant discharge elimination system order regulating stormwater and authorized nonstormwater discharges from facilities with impervious surfaces that are significant contributors of pollutants to federally protected surface waters. Requires the board to contemporaneously develop a model memorandum of understanding.	08/25/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 2108</u></b> Rivas R (D)	Water Policy: Environmental Justice		Requires the State Water Resources Control Board and each regional board to engage in equitable, culturally relevant community outreach to promote meaningful civic engagement from potentially impacted communities of proposed discharges of waste that may have disproportionate impacts on water quality in disadvantaged communities or tribal communities and ensure that	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.

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			outreach and engagement shall continue throughout the waste discharge planning, policy, and permitting processes.	
<b><u>AB 2133</u></b> Quirk (D)	California Global Warming Solutions Act of 2006		Requires the State Air Resources Board to ensure that statewide greenhouse gas emissions are reduced to at least 55% below the 1990 level by no later than specified date.	08/25/2022 - From SENATE Committee on ENVIRONMENTAL QUALITY: Do pass to Committee on APPROPRIATIONS.
<b><u>AB 2135</u></b> Irwin (D)	Information Security		Requires state agencies to adopt and implement information security and privacy policies, standards, and procedures based upon standards issued by the National Institute of Standards and Technology and the Federal Information Processing Standards. Requires to certify, to the President pro Tempore of the Senate and the Speaker of the Assembly that the agency is in compliance with all adopted policies, standards, and procedures and to include a plan of action and milestones.	08/23/2022 - In SENATE. Read third time. Passed SENATE. To enrollment.
<b><u>AB 2142</u></b> Gabriel (D)	Income Taxes: Exclusion: Turf Replacement Program	SUPPORT	Includes additional information required for any bill authorizing a new tax expenditure, and would require the Department of Finance to include an analysis of these expenditures in its annual tax expenditure report provided to the Legislature.	08/27/2022 - Enrolled.
<b><u>AB 2143</u></b> Carrillo (D)	Net Energy Metering		Applies specified public works project requirements to the construction of any renewable electrical generation facility, and any associated battery storage, after specified date, that receives service pursuant to the 2nd standard contract or tariff, with specified exceptions.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.
<b><u>AB 2146</u></b> Bauer-Kahan (D)	Neonicotinoid Pesticides: Prohibited Nonagricultural		Prohibits, beginning January 1, 2024, the sale, possession, or use of neonicotinoid pesticides, as defined, for application to outdoor ornamental plants, trees, or turf, except for use on on, or for the protection of, an agricultural commodity, as defined. Authorizes a certified qualified applicator to possess or use a neonicotinoid pesticide and a licensed pest control dealer to sell a neonicotinoid pesticide as provided.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.

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<b><u>AB 2154</u></b> Cooley (D)	California Insurance Guarantee Association		Requires the board to report specified information to the Assembly Committee on Insurance and the Senate Committee on Insurance within 60 days of the request if the board of CIGA asks the California Infrastructure and Economic Development Bank to issue bonds, and annually thereafter while the bond remain outstanding. Specifies that obligations under a policy issued to cover cybersecurity are covered claims.	08/25/2022 - In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY for concurrence.;08/25/2022 - In ASSEMBLY. Assembly Rule 77 suspended.;08/25/2022 - In ASSEMBLY. ASSEMBLY concurred in SENATE amendments. To enrollment.
<b><u>AB 2188</u></b> Quirk (D)	Discrimination in Employment: Use of Cannabis		Makes it unlawful for an employer to discriminate against a person in hiring, termination, or any term or condition of employment, or otherwise penalize a person, if the discrimination is based upon the person's use of cannabis off the job and away from the workplace, except for preemployment drug screening, as specified, or upon an employer-required drug screening test that has found the person to have nonpsychoactive cannabis metabolites in their hair, blood, urine, or other bodily fluids.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.
<b><u>AB 2201</u></b> Bennett (D)	Groundwater Sustainability Agency: Extraction Permit		Prohibits a county, city, or any other water well permitting agency from approving a permit for a new groundwater well or for an alteration to an existing well in a basin subject to the act and classified as medium or high priority unless specified conditions are met.	08/15/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 2206</u></b> Lee (D)	Nonattainment Basins: Employee Parking		Revises the definitions of employer, parking cash-out program, and parking subsidy. Requires an employer to maintain a record of communication with each employee who receives a parking subsidy that those employees have been informed of their right to receive the cash equivalent of the parking subsidy. Imposes specified duties upon the State Air Resources Board.	08/23/2022 - In SENATE. Read second time. To third reading.



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<b><u>AB 2208</u></b> Kalra (D)	Fluorescent Lamps: Sale and Distribution: Prohibition		Prohibits, on and after specified date, a screw or bayonet base type compact fluorescent lamp, as defined, and, on and after specified date, a pin base type compact fluorescent lamp or a linear fluorescent lamp, as defined, from being offered for final sale, sold at final sale, or distributed in this state as a new manufactured product. Exempts various lamps that meet specified criteria from that prohibition.	08/27/2022 - Enrolled.
<b><u>AB 2221</u></b> Quirk-Silva (D)	Accessory Dwelling Units		Specifies that an accessory dwelling unit that is detached from the proposed or existing primary dwelling may include a detached garage. Requires a permitting agency to approve or deny an application to serve an accessory or junior accessory dwelling unit within the specified timeframes. Provides that if an application for an accessory dwelling unit or junior accessory dwelling unit is denied, an agency shall return to the applicant a list of items that are defective or deficient and describe remedies.	08/25/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 2233</u></b> Quirk-Silva (D)	Excess State Land: Development of Affordable Housing		Requires the Department of General Services to develop, in consultation with the HCD, no later than September 1, 2023, a set of criteria to consistently evaluate state-owned parcels for suitability as affordable housing sites. Requires, on or before July 1, 2024, and every 4 years thereafter, the DGS to, among other things, conduct a review of all state-owned property and identify state-owned parcels that are potentially viable for affordable housing based on those criteria.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.
<b><u>AB 2234</u></b> Rivas R (D)	Planning and Zoning: Housing: Postentitlement Phase		Relates to the Housing Accountability Act. Defines affordable housing project to mean a housing development in which units within the development are subject to a recorded affordability restriction for at least 55 years, among other things. Requires either that units within the development be subject to a recorded affordability restriction for at least 55 years for rental housing and 45 years for owner-occupied housing or that the first purchaser of each unit participate in an equity sharing agreement.	08/25/2022 - In ASSEMBLY. Assembly Rule 77 suspended.;08/25/2022 - In ASSEMBLY. ASSEMBLY concurred in SENATE amendments. To enrollment.

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<b><u>AB 2238</u></b> Rivas (D)	Extreme Heat: Statewide Extreme Heat Ranking System		Requires the California Environmental Protection Agency to develop a statewide extreme heat ranking system in coordination with the ICARP, the State Department of Public Health, and the Department of Insurance, as provided. Requires the Department of Insurance to transmit a study of, among other things, past extreme heat events and the effectiveness of insurance coverages, as specified, to prevent losses or help communities plan public health initiatives related to combating the effects of extreme heat.	08/25/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 2243</u></b> Garcia E (D)	Occupational Safety and Health Standards: Heat Illness		Requires the Division of Occupational Safety and Health, before December 1, 2025, to submit to the Health Standards Board a rulemaking proposal to consider revising the heat illness standard and wildfire smoke standard. Requires a rulemaking proposal to consider revising the wildfire smoke standard, with regard to farmworkers, to reduce the existing air quality index threshold for PM2.5 particulate matter at which control by respiratory protective equipment becomes mandatory for farmworkers.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.
<b><u>AB 2247</u></b> Bloom (D)	Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)		Requires, as part of the hazardous waste control laws, the Department of Toxic Substances Control to contract with an existing multistate chemical data collection entity that is used by other states and jurisdictions to implement, by January 1, 2026, a publicly accessible data collection interface to collect information about perfluoroalkyl and polyfluoroalkyl substances (PFAS) and products or product components containing intentionally added PFAS.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.
<b><u>AB 2248</u></b> Garcia E (D)	Water Quality: California Mexico Cross Border Rivers		Makes specified sum available from the General Fund, upon appropriation by the Legislature in the annual Budget Act or another statute, to the State Water Resources Control Board for grants and direct expenditures to address water quality problems arising in California-Mexico cross-border rivers.	08/15/2022 - In SENATE. Read second time. To third reading.

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<b><u>AB 2260</u></b> Rodriguez (D)	Emergency Response: Trauma Kits		Defines trauma kit to mean a first aid response kit that contains specified items, including, among other things, a tourniquet. Allows medical materials and equipment and any additional items that are approved by the medical director of the local emergency medical services agency to be included as supplements in addition to the specified items that are required to be included in a trauma kit if they adequately treat a traumatic injury and can be stored in a readily available kit.	08/25/2022 - Enrolled.
<b><u>AB 2278</u></b> Kalra (D)	Natural Resources: Biodiversity and Conservation Report		Requires the Secretary of the Natural Resources Agency to prepare and submit, beginning on or before specified date, an annual report to the Legislature on the progress made during the prior calendar year toward achieving the goal to conserve 30% of state lands and coastal waters by 2030 established by the executive order, as provided.	08/25/2022 - In ASSEMBLY. Assembly Rule 77 suspended.;08/25/2022 - In ASSEMBLY. ASSEMBLY concurred in SENATE amendments. To enrollment.
<b><u>AB 2316</u></b> Ward (D)	Public Utilities Commission: Customer Renewable Energy		Requires the Public Utilities Commission, on or before specified date, to evaluate each customer renewable energy subscription program to determine if the program meets specified goals, to authorize the termination or modification of a program that does not meet those goals, to determine whether it would be beneficial to ratepayers to establish a community renewable energy program, and to establish that program if doing so would be beneficial to ratepayers.	08/25/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 2319</u></b> Bonta M (D)	Surplus Land: Former Military Base Land		Adds to the definition of exempt surplus land, land that is a former military base conveyed by the federal government to a local agency, is subject to certain provisions governing the Alameda Naval Air Station and the Fleet Industrial Supply Center, and meets other specified conditions.	08/23/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 2334</u></b> Wicks (D)	Density Bonus Law: Affordability: Incentives		Relates to the Density Bonus Law. Applies amendment regarding maximum controls on density only to the Counties of Alameda, Contra Costa, Los Angeles, Marin, Napa, Orange, Riverside,	08/25/2022 - In SENATE. Read second time. To third reading.

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			Sacramento, San Bernardino, San Diego, San Francisco, San Mateo, Santa Barbara, Santa Clara, Solano, Sonoma, and Ventura.	
<b><u>AB 2362</u></b> Mullin (D)	Publicly and Environmentally Beneficial Projects		Requires the Natural Resources Agency, on or before specified date, in coordination with the California Environmental Protection Agency, to convene the Interagency Working Group comprised of regulatory agencies under the auspices of the agency and the California Environmental Protection Agency that are responsible for permitting environmentally beneficial projects, that include procedures and ongoing management for the protection of the environment.	08/22/2022 - In SENATE. From third reading. To Inactive File.
<b><u>AB 2449</u></b> Rubio (D)	Open Meetings: Local Agencies: Teleconferences		Revises and recasts teleconferencing provisions and, until specified date, authorizes a local agency to use teleconferencing without complying with the teleconferencing requirements that each teleconference location be identified in the notice and agenda and that each teleconference location be accessible to the public if at least a quorum of the members of the legislative body participates in person from a singular physical location clearly identified on the agenda that is open to the public.	08/25/2022 - In ASSEMBLY. Assembly Rule 77 suspended.;08/25/2022 - In ASSEMBLY. ASSEMBLY concurred in SENATE amendments. To enrollment.
<b><u>AB 2463</u></b> Lee (D)	Public Works: Exemption		Relates to existing law defines "public works," for purposes of regulating public works contracts, as, among other things, construction, alteration, demolition, installation, or repair work that is performed under contract and paid for in whole or in part out of public funds. Relates to pursuant to existing law, all workers employed on public works projects are required to be paid not less than the general prevailing rate of per diem wages for work, except as specified.	08/16/2022 - *****To GOVERNOR.
<b><u>AB 2503</u></b> Garcia (D)	Landlords and Tenants: California Law Revision		Requires the California Law Revision Commission to, on or before specified date, deliver to the Legislature a study regarding, among other things, the establishment of consistent terminology across the California codes to describe the parties to an agreement, lease, or	08/25/2022 - In ASSEMBLY. Assembly Rule 77 suspended.;08/25/2022 - In ASSEMBLY. ASSEMBLY concurred

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			other contract for the rental of residential real property, including in mobilehome parks, that meets certain criteria, specifically, among other things, that the study addresses whether the continued use of the terms landlord and tenant.	in SENATE amendments. To enrollment.
<b><u>AB 2556</u></b> O'Donnell (D)	Local Public Employee Organizations		Authorizes a recognized employee organization to charge an employee covered by the Firefighters Procedural Bill of Rights Act for the reasonable cost of representation when the employee holds a conscientious objection, as specified, or declines membership in the organization and requests individual representation in a discipline, grievance, arbitration, or administrative hearing from the organization.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.
<b><u>AB 2559</u></b> Ward (D)	Reusable Tenant Screening Reports		Defines the term reusable tenant screening report to mean a consumer report, as defined, that was prepared within the previous 30 days by a consumer reporting agency at the request and expense of an applicant, is made directly available to the landlord for use in the rental application process or is provided through a third-party website that regularly engages in the business of providing reusable tenant screening reports that are available to landlords and complies with all state and federal laws.	08/27/2022 - Enrolled.
<b><u>AB 2582</u></b> Bennett (D)	Recall Elections: Local Offices		Requires a recall election for a local officer to include only the question of whether the officer sought to be recalled shall be removed from office. Provides that if a local officer is removed from office in a recall election, the bill would provide that the office is vacant until it is filled according to law. Incorporates additional changes to Section 11041 of the Elections Code proposed by AB 2584 to be operative only if this bill and AB 2584 are enacted and this bill is enacted last.	08/27/2022 - Enrolled.
<b><u>AB 2638</u></b> Bloom (D)	School Facilities: Drinking Water: Filling Stations		Requires a new construction or modernization project submitted to the Division of the State Architect by a school district or the governing body of a charter school to include water bottle filling	08/27/2022 - Enrolled.

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			stations, as specified. Requires, for modernization projects, a minimum of one water bottle filling station for each school undergoing modernization, and for new construction projects, a minimum of one water bottle filling station per 350 people at each school being constructed.	
<b><u>AB 2647</u></b> Levine (D)	Local Government: Open Meetings		Requires a local agency to make certain writings distributed to the members of the governing board available for public inspection at a public office or location that the agency designates and list the address of the office or location on the agenda for all meetings of the legislative body of the agency unless the local agency meets certain requirements, including the local agency immediately posts the writings on the local agency's internet website in a position and manner that makes it clear.	08/25/2022 - Enrolled.
<b><u>AB 2667</u></b> Friedman (D)	Distributed Energy Resources: Incentives		Requires the Energy Commission to use funds appropriated by the Legislature to provide incentives to eligible customers who install behind-the-meter energy storage systems, or self-generation systems paired with energy storage systems, to support statewide customer adoption of clean distributed energy resources, as specified. Requires the Energy Commission to establish a system to equitably award incentives and set incentive levels, as specified, and to prioritize certain resources.	08/25/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 2677</u></b> Gabriel (D)	Information Practices Act of 1977		Relates to law that provides that the intentional disclosure of medical, psychiatric, or psychological information in violation of the Information Practices Act, that is not permitted by law, is punishable as a misdemeanor if the wrongful disclosure results in economic loss or personal injury to the individual to whom the information pertains. Provides that this bill would, for a violation to be punishable as a misdemeanor, require that the disclosure be known or should be known to be in violation.	08/24/2022 - In SENATE. Read second time. To third reading.

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<b><u>AB 2693</u></b> Reyes (D)	COVID-19: Exposure		Provides that if an employer or representative of the employer receives a notice of potential exposure to COVID-19, the employer is required to take specified actions within one business day of the notice of potential exposure, including providing written notice to all employees on the premises that they may have been exposed. Revises and recasts those notification requirements to, among other things, authorize an employer to satisfy the notification requirements by prominently display a notice.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.
<b><u>AB 2780</u></b> Arambula (D)	Enhanced Infrastructure Financing Districts		Authorizes the City of Selma to initiate, participate in, govern, or finance an enhanced infrastructure financing district if specified events have occurred, except the requirement to have received a finding of completion, and if the City of Selma, acting as the successor agency to the former Selma Redevelopment Agency, has paid in full the amount outstanding demanded by the county auditor-controller from the funds of the successor agency for subsequent distribution to taxing entities, as specified.	08/23/2022 - In SENATE. Read second time. To third reading.
<b><u>AB 2805</u></b> Bauer-Kahan (D)	Department of Fish and Wildlife: Advance Mitigation		Authorizes a federally recognized tribe to propose a regional conservation investment strategy, as provided. Eliminates a restriction on the Department of Fish and Wildlife that authorizes the department to approve a regional conservation investment strategy only if one or more state agencies request approval through a letter sent to the Director of Fish and Wildlife.	08/25/2022 - Enrolled.
<b><u>AB 2877</u></b> Garcia E (D)	Safe and Affordable Drinking Water Fund: Tribes		Specifies that any waiver of tribal sovereignty that is required by the Water Resources Control Board for a tribe that is an eligible recipient to access funding from the Safe and Affordable Drinking Water Fund shall be narrowly drafted to serve both the individual needs of the tribe and make the funding agreement enforceable. Requires the board to include its designated tribal liaison, as defined, in all discussions with eligible recipients, except as specified.	08/25/2022 - In SENATE. Read third time and amended. Senate Rule 29.3 suspended. To third reading.

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<b><u>AB 2895</u></b> Arambula (D)	Water: Permits and Licenses: Temporary Changes		Establishes a new process for petitions for which notice is submitted to the State Water Resources Control Board no later than January 31 for a temporary change due to a transfer or exchange of water rights initiated in the same year, and imposes on the State Water Resources Control Board related notice, decision, and hearing requirements.	08/23/2022 - In SENATE. Read second time. To third reading.
<b><u>ACA 1</u></b> Aguiar-Curry (D)	Local Government Financing: Affordable Housing		Creates an additional exception to the 1% ad valorem tax rate limit on real property that would authorize a city, county, or special district to levy an ad valorem tax to service bonded indebtedness incurred to fund the construction, reconstruction, rehabilitation, or replacement of public infrastructure, affordable housing, or permanent supportive housing, if the proposition proposing the tax is approved by 55% of the voters of the city or county, and the proposition includes accountability requirements.	04/22/2021 - To ASSEMBLY Committees on LOCAL GOVERNMENT and APPROPRIATIONS.
<b><u>ACA 13</u></b> Mathis (R)	Water Infrastructure Projects: Minimum Funding		Requires the Treasurer to annually transfer an amount equal to 2% of all state revenues from the General Fund to the Water Infrastructure Trust Account, which the measure would create. Continuously appropriates moneys in the account to the California Water Commission for its actual costs of implementing these provisions and for specified water infrastructure projects. Enacts the Water Infrastructure Bond Act of 2022.	04/07/2022 - To ASSEMBLY Committees on WATER, PARKS AND WILDLIFE and NATURAL RESOURCES.
<b><u>SB 37</u></b> Cortese (D)	Contaminated Site Cleanup and Safety Act		Repeals the requirement for the State Department of Health Care Services to compile a list of all public drinking water wells. Provides that a project located on a site that is included on any list compiled by the state agencies specified above and posted on the California Environmental Protection Agency' s internet website is exempted from CEQA if the project meets specified conditions.	08/23/2022 - In ASSEMBLY. From Inactive File. To third reading.
<b><u>SB 45</u></b> Portantino (D)	Short-Lived Climate Pollutants: Organic Waste Reduction		Requires the Department of Resources Recycling and Recovery, in consultation with the State Air Resources Board, to assist local	08/16/2022 - In ASSEMBLY. Read second time. To third reading.



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			jurisdictions in complying with specified provisions, including any regulations adopted by the department.	
<b><u>SB 222</u></b> Dodd (D)	Water Rate Assistance Program	OPPOSE UNLESS AMENDED	Establishes the Water Rate Assistance Fund in the State Treasury to help provide water affordability assistance, for both drinking water and wastewater services, to low-income residential ratepayers. Makes moneys in the fund available upon appropriation by the Legislature to the state board to provide direct water bill assistance to low-income residential ratepayers served by eligible systems, as defined, and would require 80% of total expenditures from the fund to be directly applied.	08/24/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 230</u></b> Portantino (D)	State Water Resources Control Board		Requires the State Water Resources Control Board to build upon its existing work dealing with, and work to improve its knowledge of, constituents of emerging concern (CEC) in water and, waters of the state and drinking water. Requires, as part of this work, the deputy director appointed by the state board, to work to improve its the knowledge of CECs in drinking water by assessing the state of information, as specified.	08/23/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 459</u></b> Allen (D)	Political Reform Act of 1974: Lobbying		Relates to periodic reports related to lobbying. Requires lobbyists, lobbying firms, and lobbyist employers to include information in the periodic reports that identifies each bill or administrative action subject to lobbying activity during that period. Provides that for certain activities involving issue lobbying advertisements, the bill would require disclosure of the position on the bill or administrative action advocated by the advertisement.	08/16/2022 - In ASSEMBLY. Read second time. To third reading.
<b><u>SB 649</u></b> Cortese (D)	Local Governments: Affordable Housing: Local Tenant		Provides that the low-income housing tax credit program and tax-exempt bonds for qualified residential rental property used for affordable housing may be used to support access to housing that would allow households at risk of displacement to remain in the community. Specifies that a local tenant preference adopted	08/23/2022 - In ASSEMBLY. Read third time and amended. To third reading.

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			pursuant to the bill's provisions is subject to the duty of public agencies to affirmatively further fair housing, as specified.	
<b><u>SB 844</u></b> Min (D)	Cybersecurity Improvement: Reports		Establishes a program to award grants to eligible entities to address cybersecurity risks and cybersecurity threats to information systems owned or operated by, or on behalf of, state, local, or tribal governments. Requires the center to create four reports, to be delivered to the Legislature. Relates to federal State and Local Cybersecurity Improvement Act.	08/15/2022 - In ASSEMBLY. Read second time. To third reading.
<b><u>SB 852</u></b> Dodd (D)	Climate Resilience Districts: Formation: Funding		Authorizes a city, county, city and county, special district, or a combination of any of those entities to form a climate resilience district, as defined, for the purposes of raising and allocating funding for eligible projects and the operating expenses of eligible projects.	08/23/2022 - *****To GOVERNOR.
<b><u>SB 867</u></b> Laird (D)	Sea Level Rise: Planning and Adaptation		Requires a local government lying, in whole or in part, within the coastal zones or within the jurisdiction of the San Francisco Bay Conservation and Development Commission to implement sea level rise planning and adaptation through either submitting, and receiving approval for, a local coastal program to the California Coastal Commission or submitting, and receiving approval for, a subregional San Francisco Bay shoreline resiliency plan.	08/24/2022 - From SENATE Committee on NATURAL RESOURCES AND WATER: Recommend concurrence in ASSEMBLY amendments.
<b><u>SB 880</u></b> Laird (D)	Water Diversion: Monitoring and Reporting		Extends indefinitely existing law which requires any diverter, who has completed an instructional course regarding the devices or measurement method administered by the University of California Cooperative Extension, including passage of a proficiency test before the completion of the course, to be considered a qualified individual when installing and maintaining devices or implementing methods of measurement that were taught in the course for the diverter's diversion.	08/17/2022 - *****To GOVERNOR.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<b>SB 892</b> Hurtado (D)	Cybersecurity Preparedness: Food and Agriculture Sector		Requires the Office of Emergency Services to direct Cybersecurity Integration Center to prepare, and OES to submit to the Legislature a strategic, multiyear outreach plan to assist the food and agriculture sector and the water and wastewater sector in their efforts to improve cybersecurity and an evaluation of options for providing grants or alternative forms of funding to, and potential voluntary actions that do not require funding and that assist, those sectors in their efforts to improve cybersecurity.	08/23/2022 - In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE for concurrence.
<b>SB 896</b> Dodd (D)	Wildfires: Defensible Space: Grant Programs		Requires any local governmental entity that is qualified to conduct defensible space assessments in very high and high fire hazard severity zones, as specified, and that reports that information to the Department of Forestry and Fire Protection, to report that information using the common reporting platform.	08/17/2022 - *****To GOVERNOR.
<b>SB 897</b> Wieckowski (D)	Accessory Dwelling Units: Junior Units Dwelling Units		Requires a permitting agency to return in writing a full set of comments to the applicant with a list of items that are defective or deficient and a description of how the application can be remedied by the applicant, if the permitting agency denies an application for an accessory dwelling unit or junior accessory dwelling unit.	08/25/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b>SB 931</b> Leyva (D)	Deterring Union Membership: Violations		Authorizes an employee organization, as described, to bring a claim before the Public Employment Relations Board alleging that a public employer committed certain violations. Provides for civil penalties for violations. Requires the board to apply specified criteria when assessing the civil penalty.	08/24/2022 - In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE for concurrence.
<b>SB 954</b> Archuleta (D)	Public Works: Wages: Electronic Payroll Records		Requires the Department of Industrial Relations to establish an online database of electronic certified payroll records, which the bill requires to be accessible only to certain trust funds established under federal law and certain committees established under federal law, as specified. Requires that this online database contain only nonredacted information that may be provided to those trust funds and committees.	08/25/2022 - In SENATE. SENATE concurred in ASSEMBLY amendments. To enrollment.

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b>SB 984</b> Archuleta (D)	Military Service: Leave of Absence: Pay and Benefits		Recasts those provisions to instead require that employee members of reserve military units and the National Guard required to perform inactive duty obligations, other than inactive and active duty training drill periods, as specified, be granted military leave of absence without pay as provided by federal law.	08/25/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b>SB 991</b> Newman (D)	Public Contracts: Progressive Design-Build		Authorizes local agencies, defined as any city, county, city and county, or special district authorized by law to provide for the production, storage, supply, treatment, or distribution of any water from any source, to use the progressive design-build process for up to 15 public works projects in excess of a specified amount for each project, similar to the progressive design-build process authorized for use by the Director of General Services.	08/23/2022 - *****To GOVERNOR.
<b>SB 1010</b> Skinner (D)	Air Pollution: State Vehicle Fleet		Requires the Department of General Services to develop criteria to evaluate bidders, at least in part, based on the number of zero-emission vehicles or plug-in hybrid electric vehicles in their rental car fleet when seeking to award a contract for commercial rental car services. States that the installation of electric vehicle supply equipment or supporting electrical and hydrogen fueling infrastructure by state entities to support specified state fleet operations do not constitute gifts of public funds.	08/24/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b>SB 1017</b> Eggman (D)	Leases: Termination of Tenancy: Abuse or Violence		Relates to law that authorizes a tenant to provide a landlord with 180-day written notice, as specified, that the tenant, household member, or immediate family member was a victim of an act of domestic violence or other specified crimes, and that the tenant intends to terminate the tenancy. Makes a landlord or agent liable to the tenant for actual damages and, except as specified, statutory damages of not less than specified amount and more than specified amount in a civil action for violations.	08/27/2022 - Enrolled.

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b>SB 1020</b> Laird (D)	Clean Energy, Jobs, and Affordability Act of 2022		Requires the Public Utilities Commission, Energy Commission, and Air Resources Board to issue a joint reliability progress report that reviews system and local reliability within the context of that state policy as specified, with a particular focus on summer reliability, identifies challenges and gaps, if any, to achieving system and local reliability, and identifies the amount and cause of any delays to achieving compliance with all energy and capacity procurement requirements.	08/26/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b>SB 1044</b> Durazo (D)	Employers: Emergency Condition: Retaliation		#NAME?	08/27/2022 - Enrolled.
<b>SB 1058</b> Durazo (D)	Disability Insurance: Paid Family Leave: Demographic		Requires the Employment Development Department to collect demographic data for individuals who claim disability benefits under those programs, including race and ethnicity data and sexual orientation and gender identity data. Requires the department to adopt and update demographic data collection standards, procedures, and processes to implement the bill, as prescribed.	08/26/2022 - *****To GOVERNOR.
<b>SB 1063</b> Skinner (D)	Energy: Appliance Standards and Cost-Effective Measures		Authorizes the State Energy Resources Conservation and Development Commission, upon considering specified factors and making a finding of good cause, to make appliance standards effective sooner than one year after their date of adoption or revision, as specified. Requires that those other cost-effective measures prescribed by the commission also not result in any added total costs for consumers over the designed life of the impacted appliances.	08/23/2022 - *****To GOVERNOR.
<b>SB 1066</b> Hurtado (D)	State Farmworkers Drought Resilience Pilot Project		Requires the department, subject to an appropriation by the Legislature, to administer the California Farmworkers Drought Resilience Pilot Project to provide supplemental pay in the form of cash assistance for eligible households to help meet their basic needs. Defines terms. Requires the department to implement the pilot project by awarding grants to eligible entities, as defined.	08/22/2022 - In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE for concurrence.

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>SB 1075</u></b> Skinner (D)	Hydrogen: Green Hydrogen: Emissions of Greenhouse Gases		Relates to the California Global Warming Solutions Act of 2006, which designates the State Air Resources Board as the state agency charged with monitoring and regulating sources of emissions of greenhouse gases. Requires the state board, in consultation with the State Energy Resources Conservation and Development Commission and Public Utilities Commission, to prepare an evaluation posted to the state board's internet website by specified date, that includes specified information.	08/23/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1078</u></b> Allen (D)	Sea Level Rise Revolving Loan Pilot Program		Requires the Ocean Protection Council in consultation with the Coastal Conservancy, to develop the Sea Level Rise Revolving Loan Pilot Program, within 12 months of receiving specified requests from local jurisdictions to do so, for purposes of providing low-interest loans to local jurisdictions, as defined, for the purchase of coastal properties in their jurisdictions identified as vulnerable coastal property, as defined, located in specified communities, including low-income communities, as provided.	08/23/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1084</u></b> Hurtado (D)	Agricultural Land: Foreign Ownership and Interests		Prohibits a foreign government from purchasing, acquiring, or holding an interest, as defined, in agricultural land within the State of California. Exempts land held by foreign governments before specified date, from that prohibition, and specifies that it does not apply to federally recognized Indian tribes or their government units and enterprises.	08/22/2022 - In ASSEMBLY. Read third time, urgency clause adopted. Passed ASSEMBLY. *****To SENATE for concurrence.
<b><u>SB 1100</u></b> Cortese (D)	Open Meetings: Orderly Conduct		Authorizes the presiding member of the legislative body conducting a meeting to remove an individual for disrupting the meeting. Requires removal to be preceded by a warning to the individual by the presiding member of the legislative body or their designee that the individual's behavior is disrupting the meeting and that the individual's failure to cease their behavior may result in their removal.	08/22/2022 - Signed by GOVERNOR.;08/22/2022 - Chaptered by Secretary of State. Chapter No. 2022-171

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>SB 1101</u></b> Caballero (D)	Carbon Sequestration		Establishes the State Air Resources Board as the state agency responsible for monitoring and regulating sources emitting greenhouse gases. Requires the state board to ensure that statewide greenhouse gas emissions are reduced to at least 40% below the 1990 level by 2030. Requires the state board to prepare and approve a scoping plan for achieving the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions and, as part of its scoping plan.	08/15/2022 - In ASSEMBLY. Read second time. To third reading.
<b><u>SB 1109</u></b> Caballero (D)	California Renewables Portfolio Standard Program		Extends the electrical corporations' obligation to collectively procure their proportionate share of 125 megawatts of cumulative rated generating capacity from existing bioenergy projects commencing operation before specified date, through financial commitments of 5 to 15 years, inclusive. Exempts from these requirements a local publicly owned electric utility that previously entered into a 5-year financial commitment under existing law under certain conditions.	08/24/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1127</u></b> Atkins (D)	Workers Compensation: Liability Presumptions		Requires the Division of Workers' Compensation, upon an appropriation by the Legislature, to identify and amend its existing data collection processes to include collection of the date on which a claimant is notified of acceptance, denial, or conditional denial of liability.	08/23/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1136</u></b> Portantino (D)	Expedited Environmental Review: Climate Change		Requires those specified public agencies, at the time of adoption of a rule or regulation requiring the reduction in emissions of greenhouse gases, criteria air pollutants, or toxic air contaminants, to perform an environmental analysis of the reasonably foreseeable methods of compliance. Imposes additional requirements on air districts. Imposes a state mandated local program.	08/15/2022 - In ASSEMBLY. Read second time. To third reading.
<b><u>SB 1144</u></b> Wiener (D)	Water Efficiency and Quality Assessment Reports		Requires various mitigation and remediation actions with respect to lead-contaminated potable water systems, lead pipes, and non-lead-free pipes, as determined in the water efficiency and quality	08/27/2022 - Enrolled.

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
			assessment reports, dependent on funding expressly earmarked for specified actions.	
<b><u>SB 1157</u></b> Hertzberg (D)	Urban Water Use Objectives	OPPOSE	Eliminates the option of using the greater of 52.5 gallons per capita daily and the greater of 50 gallons per capita daily, as applicable, or a standard recommended by the Department of Water Resource and the Water Resources Control Board as the standard for indoor residential water use the department, in coordination with the board, to summarize the findings of these studies and investigations in a report to the Legislature.	08/25/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1162</u></b> Limon (D)	Employment: Salaries and Wages		Requires a private employer that has 100 or more employees to submit a pay data report to the Civil Rights Department. Revises the timeframe in which a private employer is required to submit specified information to require that it be provided on or before the second Wednesday of May 2023, and for each year thereafter on or before the second Wednesday of May.	08/24/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1168</u></b> Cortese (D)	Public Employees' Retirement: Beneficiary Payment		Relates to Public Employees' Retirement System (PERS) required payment of \$500 to be made to a beneficiary upon the death of a member after retirement and while receiving a retirement allowance from PERS, unless otherwise provided. Increases this benefit to specified amount.	08/26/2022 - Signed by GOVERNOR.;08/26/2022 - Chaptered by Secretary of State. Chapter No. 2022-193
<b><u>SB 1188</u></b> Laird (D)	Safe Drinking Water State Revolving Fund: Assistance		Deletes provisions of the Safe Drinking Water State Revolving Fund relating to 0% financing and interest and would instead generally authorize the board, to the extent authorized by federal law, to provide reduced or 0% financing to further the purposes of the Safe Drinking Water State Revolving Fund Law of 1997. Deletes certain limitations on the financial assistance provided to water corporations regulated by the Public Utilities Commission.	08/26/2022 - *****To GOVERNOR.



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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>SB 1194</u></b> Allen (D)	Public Restrooms: Building Standards		Authorizes jurisdiction be designed to serve all genders, as specified, instead of complying with the plumbing standards set forth in the California Building Standards Code. Provides that this authority will become inoperative and be repealed on the date that standards that address all gender multiuser facilities take effect in the California Building Standards Code.	08/23/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1205</u></b> Allen (D)	Water Rights: Appropriation		Requires the State Water Resources Control Board to develop and adopt regulations to govern consideration of climate change effects in water availability analyses used in the board's review of applications for water rights permits, including consideration of the effects of climate change, as specified, upon watershed hydrology, as specified.	08/24/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1224</u></b> Bates (R)	Watersheds: Wildlife Habitat: Orange and San Diego		Authorizes the Wildlife Conservation Board, upon an appropriation by the Legislature, to make grants to acquire fee title or conservation easements or to perform restoration, or a combination thereof, in watersheds with habitats for sensitive wildlife populations in specified regions in the Counties of Orange and San Diego, as provided.	08/25/2022 - In ASSEMBLY. Read third time. Passed ASSEMBLY. To enrollment.
<b><u>SB 1230</u></b> Limon (D)	Zero Emission and Near Zero Emission Vehicle Incentive		Requires the State Air Resources Board, with respect to the various zero emission and near zero emission vehicle incentive programs administered or funded by the state board, to adopt certain revisions to those programs if the state board finds those revisions to be feasible.	08/22/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1253</u></b> Melendez (R)	Infrastructure Plan: Flood Control: Delta Levees		Require the plan to set out infrastructure priorities relating to specified flood prevention and maintenance projects.	08/26/2022 - Signed by GOVERNOR.;08/26/2022 - Chaptered by Secretary of State. Chapter No. 2022-195
<b><u>SB 1254</u></b> Hertzberg (D)	Drinking Water: Administrator: Managerial Services		Revises the definition of designated water system and limit the liability of an administrator when the State Water Resources	08/27/2022 - Enrolled.

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
			Control Board appoints an administrator to a designated water system, as prescribed.	
<b><u>SB 1372</u></b> Stern (D)	Sustainable Groundwater Management Act		Provides that the approval of a groundwater sustainability plan by the department shall not be construed to be a determination by or otherwise an opinion of the department that the allocation of groundwater pumping rights in the plan are consistent with groundwater rights law.	08/23/2022 - *****To GOVERNOR.
<b><u>SB 1373</u></b> Kamlager (D)	Surplus Land Disposal		Extends the date by which the disposition of property must be completed to specified date if the property is located in a charter city with a population of over 2,000,000 persons and a local agency has an option agreement duly authorized by the local agency's governing body to purchase the property from the former redevelopment agency.	08/25/2022 - In ASSEMBLY. Read third time and amended. To third reading.
<b><u>SB 1396</u></b> Bradford (D)	Tenancy: Credit Reporting: Lower Income Households		Requires an independent evaluator, upon appropriation by the Legislature for this purpose, to be selected by the Department of Financial Protection and Innovation and to be responsible for conducting an evaluation on the impact of rental payment reporting in the State. Requires the evaluator to be chosen through a competitive process after the first year of completion, as specified. Requires the evaluator to create an annual report that contains certain information.	08/15/2022 - In ASSEMBLY. Read second time. To third reading.
<b><u>SB 1439</u></b> Glazer (D)	Campaign Contributions: Agency Officers		Relates to the prohibition of an officer of an agency from accepting, soliciting, or directing a contribution of more than \$250 from any party, participant, or their agent, while a proceeding involving a license, permit, or other entitlement for use is pending before the agency and for 3 months following the date a final decision is rendered in the proceeding, under certain circumstances. Requires the party to a proceeding to disclose whether the party has made a contribution of more than \$250.	08/16/2022 - In ASSEMBLY. Read second time. To third reading.

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>SB 1494</u></b> Governance and Finance Cmt	Property Taxation: Revenue Allocations: Property Sales		Authorizes, under the sealed bid or public auction sale procedures, the tax collector to offer, if the highest bidder does not consummate the sale of nonresidential commercial property within the time period determined by the tax collector, the property to the next highest bidder at their bid price.	08/18/2022 - In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE for concurrence.
<b><u>SCA 1</u></b> Hertzberg (D)	Elections: Referenda		Requires that the ballot for a referendum measure provide that a Yes vote is in favor of the referendum and rejects the statute or part of the statute subject to the referendum, and a No vote is against the referendum and approves the statute or part of the statute subject to the referendum, thus requiring a majority vote in favor of the referendum to reject the statute or part of the statute subject to the referendum.	09/01/2021 - In SENATE. From third reading. To Inactive File.
<b><u>SCA 9</u></b> Gonzalez (D)	Personal Rights: Right to Housing		Declares that the fundamental human right to housing exists in this state. Specifies that it is the shared obligation of state and local jurisdictions to respect, protect, and fulfill this right through progressively implemented measures, consistent with available resources, within an aggressive but reasonable timeframe.	03/23/2022 - To SENATE Committees on HOUSING and ELECTIONS AND CONSTITUTIONAL AMENDMENTS.
<b><u>HR 616</u></b> Tlaib (D)	Water Shutoffs Prohibition		Prohibits water shutoffs during the Coronavirus disease 2019 emergency period, provides drinking and waste water assistance to households.	01/28/2021 - INTRODUCED.;01/28/2021 - To HOUSE Committee on ENERGY AND COMMERCE.;01/28/2021 - To HOUSE Committee on EDUCATION AND LABOR.
<b><u>HR 737</u></b> Valadao (R)	California Operational Flexibility and Drought Relief		Extends the authorities under the Water Infrastructure Improvements for the Nation Act of 2016 providing operational flexibility, drought relief, and other benefits to the State of California.	02/02/2021 - INTRODUCED.;02/02/2021 - To HOUSE Committee on NATURAL RESOURCES.
<b><u>HR 1015</u></b> Napolitano (D)	Water Recycling and Reuse Project Grants	SUPPORT	Establishes a grant program for the funding of water recycling and reuse projects.	02/11/2021 - INTRODUCED.;02/11/2021 - To

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
				HOUSE Committee on NATURAL RESOURCES.
<b><u>HR 1352</u></b> Lawrence (D)	Trust Fund for Water and Sewer Infrastructure		Establishes a trust fund to provide for adequate funding for water and sewer infrastructure.	04/05/2021 - In HOUSE Committee on AGRICULTURE: Referred to Subcommittee on CONSERVATION AND FORESTRY.
<b><u>HR 1848</u></b> Pallone (D)	National Infrastructure		Rebuilds and modernizes the Nation's infrastructure to expand access to broadband and Next Generation 9-1-1, rehabilitate drinking water infrastructure, modernize the electric grid and energy supply infrastructure, redevelop brownfields, strengthen health care infrastructure, create jobs, and protect public health and the environment.	01/20/2022 - In HOUSE Committee on NATURAL RESOURCES: Referred to Subcommittee on INDIAN, INSULAR AND ALASKA NATIVE AFFAIRS.;01/20/2022 - In HOUSE Committee on NATURAL RESOURCES: Referred to Subcommittee on ENERGY AND MINERAL RESOURCES.
<b><u>HR 1915</u></b> DeFazio (D)	Federal Water Pollution Control Act		Amends the Federal Water Pollution Control Act to reauthorize certain water pollution control programs.	06/22/2021 - From HOUSE Committee on TRANSPORTATION AND INFRASTRUCTURE: Reported as amended.;06/22/2021 - In HOUSE. Placed on HOUSE Union Calendar.
<b><u>HR 2238</u></b> Lowenthal A (D)	Single Use Plastic Production Reduction		Amends the Solid Waste Disposal Act to reduce the production and use of certain single-use plastic products and packaging, to improve the responsibility of producers in the design, collection, reuse, recycling, and disposal of their consumer products and packaging, to prevent pollution from consumer products and packaging from entering into animal and human food chains and waterways.	03/29/2021 - In HOUSE Committee on TRANSPORTATION & INFRASTRUCTURE: Referred to Subcommittee on WATER RESOURCES AND ENVIRONMENT.
<b><u>HR 2467</u></b> Dingell D (D)	Hazardous Substances		Requires the Administrator of the Environmental Protection Agency to designate per- and polyfluoroalkyl substances as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980.	07/22/2021 - In SENATE. Read second time.;07/22/2021 - To SENATE Committee on ENVIRONMENT AND PUBLIC WORKS.
<b><u>HR 2468</u></b> Garamendi (D)	Federal Infrastructure Aid Program Materials		Ensures that certain materials used in carrying out federal infrastructure aid programs are made in the United States.	06/07/2021 - In HOUSE Committee on AGRICULTURE: Referred to

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
				Subcommittee on COMMODITY EXCHANGES, ENERGY, AND CREDIT.
<b>HR 3291</b> Tonko (D)	Water System Assistance		Amends the Safe Drinking Water Act to provide assistance for states, territories, areas affected by natural disasters, and water systems and schools affected by PFAS or lead, and to require the Environmental Protection Agency to promulgate national primary drinking water regulations for PFAS, microcystin toxin, and 1,4-dioxane.	06/29/2021 - From HOUSE Committee on ENERGY AND COMMERCE: Reported as amended.;06/29/2021 - In HOUSE. Placed on HOUSE Union Calendar.
<b>HR 3292</b> Dingell D (D)	Residential Emergency Relief Program		Requires the Administrator of the Environmental Protection Agency to carry out a residential emergency relief program to provide payment assistance for households to retain water service.	05/18/2021 - INTRODUCED.;05/18/2021 - To HOUSE Committee on ENERGY AND COMMERCE.;05/19/2021 - In HOUSE Committee on ENERGY AND COMMERCE: Referred to Subcommittee on ENVIRONMENT.
<b>HR 3293</b> Blunt Rochester (D)	Drinking Water and Wastewater Service Assistance		Amends the Safe Drinking Water Act and the Federal Water Pollution Control Act to establish programs to assist low-income households in maintaining access to drinking water and wastewater services.	06/29/2021 - From HOUSE Committee on ENERGY AND COMMERCE: Reported as amended.
<b>HR 3404</b> Huffman (D)	Drought Preparedness	SUPPORT IF AMENDED	Provides drought preparedness and improved water supply reliability to the nation.	05/20/2021 - INTRODUCED.;05/21/2021 - In HOUSE Committee on ENERGY AND COMMERCE: Referred to Subcommittee on ENVIRONMENT.;05/21/2021 - In HOUSE Committee on TRANSPORTATION & INFRASTRUCTURE: Referred to Subcommittee on WATER RESOURCES AND ENVIRONMENT.

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<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>HR 3622</u></b> Pappas (D)	Water Quality Criteria		Requires the Administrator of the Environmental Protection Agency to develop effluent limitations guidelines and standards and water quality criteria for PFAS under the Federal Water Pollution Control Act, provides Federal grants to publicly owned treatment works to implement such guidelines and standards.	06/01/2021 - In HOUSE Committee on TRANSPORTATION & INFRASTRUCTURE: Referred to Subcommittee on WATER RESOURCES AND ENVIRONMENT.
<b><u>HR 4099</u></b> Napolitano (D)	Water Recycling and Reuse Projects		Directs the Secretary of the Interior to establish a grant program to provide grants on a competitive basis to eligible entities for large-scale water recycling and reuse projects.	06/29/2021 - Subcommittee on WATER, POWER AND OCEANS hearings held.
<b><u>HR 4602</u></b> Lowenthal A (D)	Do Not Flush Labeling	SUPPORT	Directs the Federal Trade Commission to issue regulations requiring certain products to have "Do Not Flush" labeling.	07/21/2021 - INTRODUCED.;07/21/2021 - To HOUSE Committee on ENERGY AND COMMERCE.;07/22/2021 - In HOUSE Committee on ENERGY AND COMMERCE: Referred to Subcommittee on DIGITAL COMMERCE AND CONSUMER PROTECTION.
<b><u>HR 5118</u></b> Neguse (D)	Continental Divide National Scenic Trail		Directs the Secretary of Agriculture to prioritize the completion of the Continental Divide National Scenic Trail, and for other purposes.	07/29/2022 - In HOUSE. HA Amendment offered by Representative Westerman.;07/29/2022 - In HOUSE. HA . Representative Westerman amendment agreed to on HOUSE floor.;07/29/2022 - In HOUSE. HA Amendment offered by Representative Schrier.;07/29/2022 - In
<b><u>HR 5689</u></b> DeFazio (D)	Private Nonprofit Organizations	SUPPORT	Improves the provision of Federal resources to help build capacity and fund risk-reducing, cost-effective mitigation projects for eligible state, local, tribal, and territorial governments and certain private nonprofit organizations.	04/06/2022 - In SENATE. Read second time.;04/06/2022 - To SENATE Committee on HOMELAND SECURITY AND GOVERNMENTAL AFFAIRS.


**IRWD 2022 LEGISLATIVE MATRIX**  
**Updated 08/29/2022**

<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b>HR 6591</b> McClain (R)	Disposable Nonwoven Wipes Flushability	SUPPORT	Requires the Administrator of the Environmental Protection Agency to publish a rule that establishes standards for the flushability of disposable nonwoven wipes.	02/03/2022 - INTRODUCED.;02/03/2022 - To HOUSE Committee on ENERGY AND COMMERCE.
<b>HR 6705</b> Blunt Rochester (D)	Improvements to Rivers and Harbors		Provides for improvements to the Rivers and harbors of the United States, to provide for the conservation and development of water and related resources.	02/14/2022 - In HOUSE Committee on TRANSPORTATION & INFRASTRUCTURE: Referred to Subcommittee on WATER RESOURCES AND ENVIRONMENT.
<b>HR 7900</b> Smith A (D)	Department of Defense Appropriations		Authorizes appropriations for Fiscal Year 2023 for military activities of the Department of Defense and for military construction, prescribes military personnel strengths for such fiscal year.	08/03/2022 - In SENATE. Read second time. Placed on Legislative Calendar under General Orders.
<b>S 914</b> Duckworth (D)	Safe Drinking Water Act		Amends the Safe Drinking Water Act and the Federal Water Pollution Control Act to reauthorize programs under those Acts.	04/29/2021 - In SENATE. Amendment SA 1471 proposed by Senator Rubio to Amendment SA 1460.;04/29/2021 - In SENATE. Amendment SA 1461 proposed by Senator Shaheen to Amendment SA 1460.;04/29/2021 - In SENATE. Amendment SA 1469 proposed by Senator Kennedy
<b>S 1907</b> Gillibrand (D)	Water Quality Criteria		Requires the Administrator of the Environmental Protection Agency to develop effluent limitations guidelines and standards and water quality criteria for PFAS under the Federal Water Pollution Control Act, to provide Federal grants to publicly owned treatment works to implement such guidelines and standards.	05/27/2021 - INTRODUCED.;05/27/2021 - In SENATE. Read second time.;05/27/2021 - To SENATE Committee on ENVIRONMENT AND PUBLIC WORKS.
<b>S 2334</b> Cortez-Masto (D)	Water Recycling and Reuse Project Grants		Directs the Secretary of the Interior to establish a grant program to provide grants on a competitive basis to eligible entities for large-scale water recycling and reuse projects, amends the Omnibus Public Land Management Act of 2009 to make certain modifications to the Cooperative Watershed Management Program, provides emergency drought funding.	05/25/2022 - Subcommittee on WATER AND POWER hearings held.

**IRWD 2022 LEGISLATIVE MATRIX**  
**Updated 08/29/2022**

<b>Bill No. Author</b>	<b>Title</b>	<b>IRWD Position</b>	<b>Summary/Effects</b>	<b>Status</b>
<b><u>S 2454</u></b> Padilla (D)	Alternative Water Source Projects		Amends the Federal Water Pollution Control Act to reauthorize the pilot program for alternative water source projects.	07/22/2021 - In SENATE. Read second time.;07/22/2021 - To SENATE Committee on ENVIRONMENT AND PUBLIC WORKS.
<b><u>S 3600</u></b> Peters G (D)	Cybersecurity Improvement		Improves the cybersecurity of the Federal Government.	03/01/2022 - In SENATE. Amendment SA 4953 proposed by Senator Peters.;03/01/2022 - In SENATE. SA 4953 agreed to on SENATE floor by unanimous consent.;03/01/2022 - In SENATE. Amendment SA 4954 proposed by Senator Peters for Senator Wicker.;03/01/2022 -
<b><u>S 3624</u></b> Carper (D)	Improvements to Rivers and Harbors		Provides for improvements to the rivers and harbors of the United States, to provide for the conservation and development of water and related resources.	02/10/2022 - INTRODUCED.;02/10/2022 - In SENATE. Read second time.;02/10/2022 - To SENATE Committee on ENVIRONMENT AND PUBLIC WORKS.
<b><u>S 3956</u></b> Merkley (D)	Do Not Flush Labeling Requirements	SUPPORT	Directs the Administrator of the Environmental Protection Agency to establish a grant program to improve the effectiveness of education and outreach on Do Not Flush labeling, and to require the Federal Trade Commission, in consultation with the Administrator, to issue regulations requiring certain products to have Do Not Flush labeling.	03/30/2022 - INTRODUCED.;03/30/2022 - In SENATE. Read second time.;03/30/2022 - To SENATE Committee on COMMERCE, SCIENCE, AND TRANSPORTATION.
<b><u>S 4231</u></b> Feinstein (D)	Water Infrastructure	SUPPORT	Supports water infrastructure in reclamation States.	05/25/2022 - Subcommittee on WATER AND POWER hearings held.



September 26, 2022  
Prepared by: T. Bonkowski / M. Cortez  
Submitted by: K. Burton  
Approved by: Paul A. Cook 

CONSENT CALENDAR

MORSE / GILLETTE DOMESTIC WATER PIPELINE REPLACEMENT  
FINAL ACCEPTANCE

SUMMARY:

The Morse / Gillette Domestic Water Pipeline Replacement is complete. IRWD’s contractor GCI Construction, Inc. completed all required work and punch list items. The project has received final inspection and staff recommends its final acceptance.

BACKGROUND:

IRWD owns a 10-inch asbestos cement pipe (ACP) domestic water pipeline located in an easement between a commercial building and its adjacent parking structure within a business development property bordered by Main Street and Morse and Gillette Avenues in the Irvine Business Complex. A segment of this pipeline failed in 2019 and this project removed that segment from service and replaced it with new pipelines within Morse and Gillette Avenues to reestablish a looped the water system network for the complex. In addition, the project abandoned the existing domestic water line, relocated fire hydrants, installed new valves, reconnected existing water services to the new pipeline, restored the complex’s roads with new asphalt, slurry seal coating, striping and pavement markings. IRWD’s contractor GCI Construction, Inc. completed all required work, and the project has received final inspection and staff recommends final acceptance.

APD Consultants, Inc. completed the design in July 2021. GCI Construction, Inc. was awarded the construction contract in September 2021. GCI mobilized in November 2021 and completed construction of all improvements on August 18, 2022. A lengthy contract time extension was required to complete the work due to encountering many unknown existing utilities and improvements, e.g. storm drain, electrical, and concrete along the pipe alignment. Additional time was also needed to accommodate several schedule restrictions made by the development for work within its streets and turf block areas. A construction change order summary is provided as Exhibit “A”.

Project Title:	Morse / Gillette Domestic Water Pipeline Replacement
Project No.:	11567
Design Engineer:	APD Consultants, Inc.
Construction Management by:	IRWD Staff
Contractor:	GCI Construction, Inc.
Original Contract Cost:	\$272,130.00

Final Contract Cost:	\$391,283.69
Original Contract Days:	120
Final Contract Days:	328
Final Change Order Approved:	August 24, 2022

FISCAL IMPACTS:

Project 11567 is included in the FY 2021-22 Capital Budget. The existing budget is sufficient to fund the final payment for the project.

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Sections 15301, 15303 and 15282. State Guideline 15301 provides exemptions for the operation, repair, maintenance, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. Additionally, State Guideline 15303 provides exemption for construction and location of new, small facilities or structures such as water main, sewage, electrical, gas and other utility extensions including street improvements of reasonable length to serve such construction. Finally, State Guideline 15282 provides exemption for the installation of new pipeline as set forth in Section 21080.21 of the Public Resources Code, as long as the project does not exceed one mile in length. A Notice of Exemption for the project was filed with the Orange County Clerk-Recorder on November 10, 2020.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

RECOMMENDATION:

THAT THE BOARD ACCEPT CONSTRUCTION OF THE MORSE / GILLETTE DOMESTIC WATER RELOCATION, PROJECT 11567, AUTHORIZE THE GENERAL MANAGER TO FILE A NOTICE OF COMPLETION, AND AUTHORIZE THE PAYMENT OF THE RETENTION 35 DAYS AFTER THE DATE OF RECORDING THE NOTICE OF COMPLETION.

LIST OF EXHIBITS:

Exhibit "A" – Construction Change Order Summary

EXHIBIT "A"


Morse / Gillette Domestic Water Pipeline Replacement  
PR 11567  
Construction Change Order Summary

Date: August 30, 2022  
Contractor: GCI Construction, Inc.  
Design Engineer: ADP Consultants, Inc.

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$272,130.00						Original Days: 120				1/12/2022
Contract Change Order No.	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Order Days	Cum. Change Order Days	Revised Total Contract Days	Revised Completion Date
CCO 01	Approved by Executive Director of Technical Services on 6/16/22 Overkote asphalt pavement sealer at owner's request Time Extension	B	\$6,550.00 208	\$6,550.00	\$ -	\$ 6,550.00	2.41%	\$278,680.00	208	0 0	208	328	8/8/2022
CCO 02	Approved by Executive Director of Technical Services on 8/24/22 Additional work caused in general by unknown existing utilities and improvements and to accommodate property representatives' requests while working on the complex's streets and landscaped areas.	B	\$112,603.69	\$112,603.69	\$ 6,550.00	\$119,153.69	43.79%	\$391,283.69	0	0	208	328	8/8/2022

Category	Total Amount	% of Original Contract
A - Owner Directed Change	\$0.00	0.00%
B - Differing/Unknown Condition	\$119,153.69	43.79%
C - External Agency, Regulatory, and/or Permit Required Change	\$0.00	0.00%
D - Design Oversight	\$0.00	0.00%
<b>Total Change Order Amount (A + B + C + D)</b>	<b>\$119,153.69</b>	<b>43.79%</b>

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September 26, 2022  
Prepared by: L. Kaneshiro  
Submitted by: C. Clary  
Approved by: Paul A. Cook 

## CONSENT CALENDAR

### CYBERSECURITY THREAT DETECTION AND RESPONSE SERVICES

#### SUMMARY:

IRWD maintains a high level of cybersecurity for its information technology systems. Cyber risks are increasing due to greater computerization, mobility, and emerging technologies. To protect IRWD against modern cyberattacks, IRWD needs to continuously monitor activities on its networks, cloud environments, and critical devices to quickly identify and respond to potential threats. The proposed Agreement with AT&T will provide cybersecurity services, including 24x7 threat detection and response services. AT&T was selected based on a competitive request for proposal (RFP) process after a thorough evaluation of proposals. Staff recommends the Board authorize the General Manager to execute a Professional Services Agreement with AT&T for these services for a not-to-exceed amount of \$442,400 for a duration of three years.

#### BACKGROUND:

Cybersecurity is a continuously evolving risk for nearly every organization. Greater computerization, mobility, and emerging technologies create larger attack surfaces, more attack paths, and new vulnerabilities. Attack attempts occur 24 hours per day, seven days per week. To protect IRWD against modern cyberattacks, IRWD needs to continuously monitor activities on its networks, cloud environments, and critical devices to quickly identify and respond to potential threats.

The proposed Agreement will provide essential cybersecurity services that will enhance IRWD's cybersecurity program.

AT&T's Cybersecurity Threat Detection and Response includes:

- 24x7 proactive cybersecurity monitoring, alarm validation and incident investigation;
- Orchestration and automation, including integration with third-party tools and automatic threat blocking to expedite incident response;
- Threat intelligence, which is needed to keep the solution's defenses up to date; and
- Reports, including pre-built templates and ad-hoc capabilities.

The cost of this service is \$7,744 for a one-time set-up modeling workshop, and \$6,657 per month for 24x7 threat detection and response services.

The Cyber Incident Response Retainer includes:

- Up to 120 hours of expert assistance in the event of a security breach;
- Incident Response Plan review;
- Tabletop Exercises; and
- Monthly threat reviews.

The cost for this retainer is \$65,000 per year.

The RFP was issued in June 2022 to five consultants with experience providing cybersecurity services: Accenture, AT&T, Center for Internet Security, IBM, and Securonix. Three consultants submitted proposals. Staff reviewed and ranked the proposals according to technical approach (scope, approach, overall understanding), qualifications and experience (vendor team, experience), and cost. AT&T's proposal had the best technical approach, qualifications, experience, lowest cost, and therefore scored the highest as shown in the Consultant Evaluation Matrix, provided in Exhibit "A".

Staff recommends the Board authorize the General Manager to execute a Professional Services Agreement with AT&T for a not-to-exceed amount of \$442,400 for a duration of three years. AT&T's proposal is provided as Exhibit "B".

FISCAL IMPACTS:

The proposed Agreement will be funded from the Information Services Operating Budget, Department 250, as shown in the table below.

Fiscal Year	Set Up	Threat Detection and Response	Incident Retainer	Total
2022-2023	\$7,744	\$53,256	\$65,000	\$126,000
2023-2024	---	\$79,884	\$65,000	\$144,884
2024-2025	---	\$79,884	\$65,000	\$144,884
2025-2025	---	\$26,628	---	\$26,628
<b>Total</b>	<b>\$7,744</b>	<b>\$239,652</b>	<b>\$195,000</b>	<b>\$442,396</b>

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Finance and Personnel Committee on September 6, 2022.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH AT&T FOR A NOT-TO-EXCEED AMOUNT OF \$442,400 FOR A DURATION OF THREE YEARS FOR CYBERSECURITY THREAT DETECTION AND RESPONSE SERVICES.

LIST OF EXHIBITS:

Exhibit "A" – Consultant Evaluation Matrix

Exhibit "B" – AT&T Proposal

**Exhibit "A"**

**CONSULTANT EVALUATION MATRIX**

CYBERSECURITY THREAT DETECTION AND RESPONSE SERVICES								
Item	Description	Weights	AT&T		Consultant 2		Consultant 3	
A	<u>TECHNICAL APPROACH</u>	<b>40%</b>						
1	Overall Project Understanding / Approach	40%	9.7		8.7		8.0	
2	Scope of Proposal	60%	9.7		8.3		8.0	
	<u>Weighted Score (Technical Approach)</u>		9.7		8.5		8.0	
B	<u>QUALIFICATION AND EXPERIENCE</u>	<b>40%</b>						
1	Project Manager	40%	9.7		9.0		9.3	
2	Project Team	30%	9.7		9.0		9.3	
4	Firm's Experience	30%	9.3		9.3		9.7	
	<u>Weighted Score (Experience)</u>		9.6		9.1		9.4	
C	<u>COST</u>	20%	7.0		6.0		2.0	
	<b><u>COMBINED WEIGHTED SCORE</u></b>		<b>9.1</b>		<b>8.2</b>		<b>7.4</b>	
	<b>Ranking of Consultants</b>		<b>1</b>		<b>2</b>		<b>3</b>	
D	<u>SCOPE OF WORK</u>							
TASK		Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Set Up / Initial Cost	One-Time	\$ 7,744	\$ 7,744	\$ -	\$ -	\$ 657,225	\$ 657,225
2	Cybersecurity Threat Detection and Response	Monthly	\$ 6,657	\$ 239,652	\$ 9,148	\$ 329,345	\$ 36,530	\$ 1,315,071
3	Incident Response Retainer	Yearly	\$ 65,000	\$ 195,000	\$ 80,000	\$ 240,000	\$ 51,388	\$ 154,164
	<b>TOTAL COST</b>			<b>\$ 442,396</b>		<b>\$569,345</b>		<b>\$2,126,460</b>

**Exhibit "A"**

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36 Month Proposal  
AT&T Managed Threat Detection and Response  
AT&T Cybersecurity Consulting Incident Response Retainer

Presented to  
Irvine Ranch Water District

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August 23rd, 2022

## Pricing

AT&T Managed Threat Detection and Response includes the following components and pricing (note: NRC = non-recurring charge and MRC = monthly recurring charge):

Managed Threat Detection and Response 1.5 TB						
Product Description	Short Description	QTY	Unit NRC	Unit MRC	Extended MRC	Extended NRC
Up to 1.5 TB of data analyzed through MTDR sensors.	ATT-MTDR-P-1.5T.01	1	\$0.00	\$6,657.00	\$6,657.00	\$0.00
AT&T MTDR Sensor (Includes up to 9 Sensors)	ATT-MTDR-SENSOR	3	\$0.00	\$0.00	\$0.00	\$0.00
Training Included for 2 Users for 1.5 TB	TRN-ANY-PUB-2D1S.01	2	\$0.00	\$0.00	\$0.00	\$0.00
Monthly Charge - Year One					\$6,657.00	\$0.00
Monthly Charge - Year Two					\$6,657.00	\$0.00
Monthly Charge - Year Three					\$6,657.00	\$0.00
<b>36 Month Extended Total - \$239,652.00</b>						

Threat Model Workshop - Client Must Choose REMOTE or ONSITE Option						
Product Description	Short Description	QTY	Unit NRC	Unit MRC	Extended MRC	Extended NRC
MTDR Threat Model Workshop (1.5T) REMOTE Year One	ATT-MTDR-PR-1.5T.01	1	\$7,744.00	\$0.00	\$0.00	\$7,744.00
MTDR Threat Model Workshop (1.5T) REMOTE Year Two	ATT-MTDR-PR-1.5T.01	1	\$0.00	\$0.00	\$0.00	\$0.00
MTDR Threat Model Workshop (1.5T) REMOTE Year Three	ATT-MTDR-PR-1.5T.01	1	\$0.00	\$0.00	\$0.00	\$0.00
<b>36 Month Extended Total - \$7,744.00</b>						

## Pricing

AT&T Cybersecurity Consulting Incident Response Retainer includes the following components and pricing (note: NRC = non-recurring charge and MRC = monthly recurring charge):

AT&T Cybersecurity Consulting Incident Response Agreement						
Service Tier	Per Unit Price in US Dollar	QTY	Unit NRC	Unit MRC	Extended Annual Cost	Extended NRC
Gold Tier – Domestic US Only - Year One	\$65,000.00	1	\$0.00	\$0.00	\$65,000.00	\$0.00
Gold Tier - Renewal – Domestic US Only - Year Two	\$58,500.00	1	\$0.00	\$0.00	\$58,500.00	\$0.00
Gold Tier - Renewal – Domestic US Only - Year Three	\$58,500.00	1	\$0.00	\$0.00	\$58,500.00	\$0.00
<b>36 Month Extended Total - \$192,000.00</b>						



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*The AT&T Business Service Guide is subject to change by AT&T from time to time.  
See <http://serviceguidenew.att.com> for current version.*

This document reflects the Service Guide in effect as of August 17, 2022

**AT&T Business Service Guide**  
**AT&T Managed Threat Detection and Response**

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## AT&T Managed Threat Detection and Response

*Section Effective Date: 02-Aug-2020*

AT&T Managed Threat Detection and Response (“the Service” or “Managed Threat Detection and Response” or “MTDR”) is a centralized managed security monitoring service powered by the AT&T Unified Security Management platform (“USM Platform”) that delivers near real-time event monitoring, rule correlation, vulnerability assessment, external indicators of compromise (IoC) matching, asset discovery and inventory, and expert analysis of security incidents across an enterprise 24/7/365. The Service is designed to identify cybersecurity risks to the organization and helps improve cybersecurity posture through investigation management across on-premises, cloud, and hybrid IT environments.

The AT&T Managed Threat Detection and Response Service Guide consists of the following Parts:

- Service Description (SD)
- Service Level Objectives (SLO)
- Service Level Agreements (SLA)
- Pricing (P)
- Country Specific Provisions (CSP)

In addition, specified portions of the [General Provisions](#) apply.

### Service Description (SD)

#### SD-1. Supported Environments for Sensor Deployment

*Section Effective Date: 02-Aug-2020*

- On-Premise Data Centers (Physical Environments)
  - VMWare
  - Hyper-V
- Amazon Web Services Infrastructure as a Service (“IaaS”) Cloud Environment
- Microsoft Azure IaaS Cloud Environment
- Google Cloud IaaS Cloud Environment

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This document reflects the Service Guide in effect as of August 17, 2022

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**SD-2. AT&T Managed Threat Detection and Response — General Service****SD-2.1. Description***Section Effective Date: 01-Jul-2022*

AT&T Managed Threat Detection and Response delivers near real-time log monitoring, correlation, and expert analysis of security activity across a Customer's entire enterprise. Sensors are deployed across Cloud and Physical Environments. Security data is then sent to the Service hosted in AWS for analysis. The Service receives a continuous stream of threat intelligence updates from both AT&T Alien Labs security research team and AT&T threat intelligence composed of third-party threat feeds and internal threat intelligence.

AT&T Managed Threat Detection and Response includes the following features:

- USM Platform Access - Customers have 24x7x365 access to all the functionalities within the USM Platform. Customers can access all of the features and functionality of the USM platform at any time using two-factor authentication.
- Vulnerability Assessment - Unauthenticated and authenticated scans can be performed on an ad hoc basis or scheduled based on a customer's preference. Additional information about the vulnerability is also easily accessible in the USM Platform.
- Orchestration and Automation - Managed Threat Detection and Response utilizes orchestration and automation capabilities to achieve faster incident response and improve the efficiency of the overall security team.
- Intrusion Detection - The USM Platform delivers Network Intrusion Detection (NIDS) and cloud intrusion detection (AWS, Azure, and Google Cloud) to detect anomalous or suspicious activities in a Customer's environment that may indicate an intrusion or attack.
- Reports - Reports are accessible through the USM Platform. Security reports can be generated from default report templates or on a custom basis from the dashboards and environment pages.
- Searchable Storage - During the Service Term, Customers can access Events, Alarms, and vulnerabilities from the previous 90 days within the USM Platform.
- Cold Storage - During the Service Term, Customer's raw log data is stored in cold storage. Customer's may request a raw log data file from cold storage at any time during the Service Term. Upon expiration of the Service Term, Customer Data collected by the Service, including Customer log data, will be deleted and purged after 14 days, unless legally prohibited.
- Threat Intelligence - The Service analyzes Events and Customer Data against the latest correlation rules within the USM Platform. Correlation rules are added and updated within the USM Platform on a regular basis. In addition, SOC analysts use the Open Threat Exchange (OTX) to deliver Indicators of Compromise matching (IoC) to the customer environment.
- Endpoint Detection and Response (EDR) - The Service is designed to utilize the AlienVault EDR Agent to monitor Customer's network device(s) activities, status, authentication, authorization and software to detect and respond to advanced endpoint threats.

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See <http://serviceguidenew.att.com> for current version.*

This document reflects the Service Guide in effect as of August 17, 2022

**AT&T Business Service Guide**  
**AT&T Managed Threat Detection and Response**

- **Asset Discovery and Inventory** - The sensor performs asset discovery as appropriate to the environment and based on Customer preference via network scans, querying the hypervisor, cloud API, and Active Directory to identify connected assets, software, services, and configurations. Once discovered, assets can be assigned to a group and device type. Assets can also be given a name, description, and grouping.
- **USM Anywhere Sensor(s)** - These are virtualized software that run on a Customer's VMware or Hyper-V environment or public cloud, that collect and normalize logs, monitor networks, and collect information from assets defined by the Customer. The table below reflects the maximum sensors included per Tier purchased in the Service Agreement. Additional sensors can be purchased per Tier and will incur additional monthly recurring charges.

<b>AT&amp;T Managed Threat Detection and Response</b>	
<b>Service</b>	<b>Max Sensors per Tier</b>
Maximum Subscription Tier	
AT&T Managed Threat Detection and Response (500GB)	9
AT&T Managed Threat Detection and Response (1TB)	9
AT&T Managed Threat Detection and Response (1.5TB)	9
AT&T Managed Threat Detection and Response (2TB)	9
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## SD-2.2. Customer Engagement Plan

*Section Effective Date: 01-Jul-2022*

The Customer Engagement Plan (CEP) establishes an agreed framework for responding to identified security incidents. The CEP establishes procedures for validating, categorizing, documenting, and communicating security events identified by the Service.

AT&T does not guarantee that remediation steps taken in accordance with the Customer Engagement Plan will be effective against threats, attacks and unauthorized intrusions on Customer's network environment. Customer is solely responsible for any adverse consequences on its network environment resulting from remediation steps taken in accordance with the Customer Engagement Plan. Under no circumstances will AT&T be held liable for damages or costs that may be caused by the implementation of Customers' Customer Engagement Plan.

## SD-2.3. Managed Threat Detection and Response Service Availability

*Section Effective Date: 01-Jul-2022*

Customer support for security related issues will be available 24x7 through the AT&T Security Operations Center (SOC).

## SD-2.4. Managed Threat Detection and Response Service Onboarding

### SD-2.4.1. Service Onboarding

*Section Effective Date: 01-Jul-2022*

Item
<p>Network Device Assessment</p> <ul style="list-style-type: none"> <li>-- Customer provides in-scope devices that will feed data into the USM Platform</li> <li>-- AT&amp;T assesses in-scope device list</li> </ul>
<p>Kickoff Call</p> <ul style="list-style-type: none"> <li>--The AT&amp;T MTDR Project Manager and AT&amp;T Cybersecurity Consulting Resource detail service onboarding steps.</li> <li>--AT&amp;T and Customer outline roles and responsibilities, contacts, and procedures for document change control requests.</li> </ul>
<p>MTDR Threat Model Workshop ("the Workshop")</p> <ul style="list-style-type: none"> <li>- Customer will select Onsite Support or Remote Support for the MTDR Threat Model Workshop in the Sales Order or Service Agreement for the Services. Based upon given circumstances, AT&amp;T may, in its own discretion, substitute Remote Support for Onsite Support. Travel and Expenses associated with the OnSite Support for the Workshop are included in the Non-Recurring Charges set forth in the Service Agreement.</li> </ul>
<p>Handoff to AT&amp;T SOC for Deployment</p> <ul style="list-style-type: none"> <li>-- MTDR Project Manager and AT&amp;T Cybersecurity Consulting Resource deliver 1) Threat Model Document and 2) Technical Provisioning Document ("TPD") derived from the MTDR Threat Model Workshop to the Customer.</li> <li>-- MTDR Project Manager introduces Security Engineer who will assist Customer remotely with the remainder of onboarding activities.</li> </ul>

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<p>-- The primary objectives of the Security Engineer include assisting in the planning, implementing, and configuring of security solutions for Customer systems and networks to be monitored by the AT&amp;T SOC</p>
<p>Technical Provisioning Document completion</p> <p>-- If required, Customer completes any additional information regarding points of contact, device list, network architecture, domain information, proxy device, and other information related to their environment.</p>
<p>USM Platform Configuration</p> <p>-- Utilizing the TPD, AT&amp;T Security Engineer(s) perform USM Platform setup and establish User access.</p>
<p>Knowledge Transfer</p> <p>-- AT&amp;T MTDR Security Engineer will train Customer to onboard new device log sources to the Service.</p> <p>-- AT&amp;T MTDR Security Engineer will provide an overview of features and functionality of the Service.</p>
<p>Security Monitoring &amp; Customer Engagement Plan (CEP) Draft and Review</p> <p>-- AT&amp;T and Customer draft and agree upon Customer Engagement Plan.</p>
<p>Reports</p> <p>- Creation or adjustments to report types by Customer and/or AT&amp;T SOC.</p>
<p>Customer transitioned to 24x7x365 monitoring</p> <p>-- AT&amp;T notifies the customer that they are ready to transition to 24x7x365 monitoring</p> <p>-- Regular meeting cadence established</p> <p>-- Up to 4 hours of re-occurring meeting time can be scheduled per month (dependent on tier size).</p> <p>-- Number of hours allocated is at our sole discretion and will vary by customer.</p>

### Cross References

[SD-2.5. MTDR Threat Model Workshop](#)

### **SD-2.5. MTDR Threat Model Workshop**

*Section Effective Date: 01-Jul-2022*

The Workshop establishes key infrastructure and processes required for customer business continuity, enabling the effective deployment of the USM Platform for the MTDR Service.

AT&T will assign an AT&T Cybersecurity consultant to perform the Workshop. Any tasks identified that are outside the scope of the Workshop described in this section will be addressed with additional services offered to the Customer through an alternate contract. If the scope of the project, number or locations of Sites, start and finish dates, work to be done, or other material parameters of the project change, AT&T and Customer will use the Change Order Process and make appropriate revisions to the charges for the Services.

- The AT&T Cybersecurity Consulting Resource will schedule a meeting with Customer to perform the Workshop which will include:
- up to 8 hours of On-Site or Remote Customer engagement to determine Customer's cybersecurity posture (Customer Engagement).
- 16 hours of material preparation and coordination by the AT&T Cybersecurity Consulting resource post-Customer Engagement.

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- Customers who have purchased the Service with a minimum Usage Limit of 10TB will receive an additional 8 hours of Customer Engagement (totaling 16 hours) and an additional 16 hours of material preparation and coordination (totaling 32 hours).

Customer is responsible for organizing all technical resources needed to be present and prepared for the Workshop to discuss the following:

- Data Location Identification – This includes identification of the location of sensitive data that, if breached, would require significant incident response to remediate involving public relations activity, third party forensics and/or breach notification to individuals. This would include data that is proprietary and confidential to the organization as well as data that may have regulatory requirements. Information can also include mission critical resources, such as intellectual property, network resources involved in the storage, processing and transmission of sensitive data or resources that, if unavailable, would have a direct business impact.
- Alignment with Business Needs - Customer to provide company resource(s) to explain to the AT&T Consulting Resource the alignment of the sensitive data with business needs and the technology and support surrounding this data.
- Security Technologies, including, but not limited to:
  - Firewalls and Network Segregation
  - Identity and Access Management
  - Endpoint Security
  - Current network monitoring capabilities
- Resources
  - Organizational Locations
  - Number of supported users
  - Number and nature of supported devices (i.e., Windows only or mixed)
  - Internal IT & Security staff
  - Security operations capabilities, including incident response
- Security Program
  - existing policies and procedures
  - onboarding and offboarding
  - risk management
  - access management
- Decision Maker Identification
  - Budget, Risk Acceptance, and Risk Decisions
- Third Party Resources
  - Identification of any Third Party security management and/or support.

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- Threat Model Document
  - The AT&T Cybersecurity Consulting Resource will provide:  
 The Threat Model Document detailing the key takeaways from the workshop and outlining MTDR deployment activities (“Threat Model Document”)  
 The Technical Provisioning Document which contains required information for the AT&T SOC for deploying the USM Platform into the Customer’s environment.
- Additional Customer training
  - As part of the purchase of the Service and Workshop, Customer will be provided training seats at no additional cost in the Anywhere Security Analyst (ANYSA) 2 Day Training class based on the Usage Limit purchased with the Service. See <https://cybersecurity.att.com/training/courses/anywhere-analysis>
  - 500GB to 8TB Customer will receive 2 seats
  - 10TB to 60TB Customer will receive 4 seats
  - Additional seats can be purchased at Customer’s discretion

## SD-2.6. Support Availability

*Section Effective Date: 01-Jul-2022*

For operational configurations, AT&T will provide 24x7x365 operations support that includes the following:

- Apply changes to scope of Customer equipment monitored, as directed by the Customer, and agreed to and contracted by AT&T
- Continuous tuning and monitoring of Customer’s data collection sites consistent with weekly or monthly mutually agreed upon status call(s)
- Tracking of incidents to resolution and posting the status in an Investigation that Customer can access via the USM Platform.

Customer support for security incidents will be available 24x7x365 through the AT&T SOC. Customers can reach the SOC utilizing three different forms of contact.

- Call: 1-877-757-7382
- Email: [MTDR@att.com](mailto:MTDR@att.com)
- Submit an Investigation on the USM Platform

The Service will process all Events, Alarms, and Investigations (See Section SLA-1 herein) pertaining to the Service and will post this information on the USM Platform.

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**SD-2.7. AT&T Managed Threat Detection and Response Supported Device List***Section Effective Date: 09-Aug-2019*

During the Service onboarding, only the device types, device quantities, and data collection site locations previously reviewed and approved by AT&T will be included within the scope for onboarding of the Service. Any changes to the device types, device quantities, or data collection site locations will require additional review and approval by AT&T. If the scope of onboarding leads to a change in commitment level, Customer will be responsible for any adjustments to pricing. Customer changes to the list of monitored devices must be provided in writing to AT&T within ten (10) business day prior to such change(s) taking effect.

**SD-2.8. Monthly Storage Usage Limit***Section Effective Date: 02-Aug-2020*

The Service has usage limitations. Customer's monthly Usage Limit is the numeric value specified in the Sales Order or Pricing Schedule ("Usage Limit"). Monthly storage Usage Limits will be monitored and tracked by AT&T. Customer will, at all times, ensure that its use of the Service does not exceed the Usage Limit. If Customer's environment has exceeded the Usage Limit, the Service begins operating in transient mode. When running in transient mode, the Service no longer stores Events in the searchable data store, but will still generate Alarms, run authenticated asset scans, and store raw logs associated with Events in cold storage. This transient mode finishes when Customer starts a new month (based on Customer's onboarding start date) or if Customer upgrades the subscription tier.

The USM Platform will (i) display an early and persistent warning to inform Customer that their monthly tiered usage is going to be exceeded, and (ii) in the event that Customer exceeds their Usage Limit, it will display notice informing Customer.

If Customer continues to exceed the Usage Limit, then AT&T shall have the right to immediately suspend Customer's use of the Service and terminate this Agreement, in its discretion, upon written notice to Customer. Customer acknowledges that its use of the Service in excess of Usage Limit may result in a significant degradation in the performance. Any suspension or termination of the Service under this section will not relieve Customer of its payment obligations associated with the Service.

**SD-2.9. Customer Responsibilities***Section Effective Date: 02-Aug-2020*

To qualify for AT&T Managed Threat Detection and Response Service, Customer is responsible for:

- Assigning a Single Point of Contact ("SPOC").
- Providing network and security documentation and information necessary to all AT&T resources involved with the Service to assess and review the network being monitored.
- Providing the initial list of Customer-defined devices in writing to AT&T prior to Service onboarding.
- Providing AT&T-specified technical device information for each Customer-defined device.

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- Providing secure network transport and associated hardware, if applicable, to transmit information from the AT&T-provided data collector(s) to the Service.

## **SD-2.10. Change Control Process**

*Section Effective Date: 09-Aug-2019*

Any changes to the Service shall be handled via the Change Control Process. Either Party must submit change requests to the Service in writing. The party requesting the change must submit a written request on an AT&T provided form to the other party and the receiving party will issue a written response within seven (7) days of the receipt of the request, including whether the receiving party accepts or rejects the request. Once agreed both parties must execute the provided form.

## **SD-2.11. Use of Service**

### **SD-2.11.1. Use of the Service**

*Section Effective Date: 07-Jan-2022*

Subject to the limitations stated in this Service Guide or the Customer Agreement, AT&T grants to Customer a limited, non-exclusive, revocable, non-transferable, non-sublicensable right during the applicable Service Term to use and allow its Users access to the Service and Documentation in accordance with the scope of use specified in this Service Guide. When used in this Service Guide, "Documentation" means user manuals and any other materials, including updates thereto, in any form or medium made generally available by AT&T to Customers or Users, regarding the proper installation and use of the Service. "Users" means individuals who are authorized by Customer to use the Service, including but not limited to Customer employees, consultants, contractors and agents.

### **SD-2.11.2. Limitations and Restrictions on Use of the Service**

*Section Effective Date: 02-Aug-2020*

Customer will comply with the following limitations and restrictions when using the Service:

- **Account Credentials.** Customer is responsible for maintaining the confidentiality of the administrator and User logon identifications, passwords, and account information. Customer will use commercially reasonable efforts to prevent unauthorized access to or use of Managed Threat Detection and Response and all Documentation and immediately notify AT&T in writing of any such unauthorized access or use or violation by Customer or its Users of the Customer Agreement;
- **Compliance and Use.** Customer shall use the Service in accordance with the Documentation and the Acceptable Use Policy.
- **Input/Output of Data and Lost Files.** Customer is solely responsible for the placement of sensors/agents in their environment to allow for visibility of its data input and output to the Service and for maintaining a separate means for the reconstruction of any lost data.

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- Application Program Interfaces (APIs). To the extent AT&T provides Customer with API's as part of the Service, such API's are provided "as is" without any warranty of any kind. Customer is granted a personal, nonsublicensable, nonexclusive, nontransferable, limited license to use the API solely for Customer's internal use for exporting Customer's content from AT&T to the new Customer system. Customer may not (a) copy, rent, sell, disassemble, reverse engineer or decompile (except to the limited extent expressly authorized by applicable statutory law), modify or alter any part of the API; or (b) otherwise use the API on behalf of any third party. The API license shall automatically terminate in the event Customer breaches this section.
- Restrictions. Customer will require Users to comply with the following limitations and restrictions when accessing or using the Service, Documentation or associated software. Except as otherwise expressly approved by AT&T in writing or as is required by applicable law, Customer shall not, will not permit or authorize Users or third parties to:
  - attempt to copy, modify, duplicate, create derivative works from, frame, mirror, republish, download, display, transmit, distribute, reverse compile, disassemble, reverse engineer, or otherwise reduce to human-perceivable form all or any portion of the Service, Documentation or associated software in any form or media or by any means;
  - access all or any part of the Service, Documentation or associated software in order to build a product or service that competes with the Services;
  - license, sell, rent, lease, transfer, assign, distribute, display, disclose, or otherwise commercially exploit the Service, Documentation or associated software, or otherwise allow it to be available to any third party (e.g., as a hosted service or service bureau); or
  - circumvent or disable any protection, restriction, security or other technological features or measures of the Service, Documentation or associated software.
  - use the Service, Documentation or associated software for any purpose other than Customer's internal business purposes in relation to its own computer systems and any computer systems or facilities owned or managed exclusively by or for Customer.
  - develop any type of software program based on the Service, Documentation or associated software;
  - provide or offer access to any third parties to any restricted online access keys or authentication passwords provided by AT&T; or
  - disclose to any third party any benchmarking or comparative study involving the Service Documentation.

### **SD-2.11.3. Deployment of Sensor**

*Section Effective Date: 02-Aug-2020*

Customer agrees to follow AT&T's detailed installation steps for deployment of sensor software across the Customer's Cloud or Virtual Environments, as the case may be, and that AT&T will be given remote access to the sensors for the Service, including for the purposes of ascertaining system performance and accessing system logs. Customer agrees that AT&T may disclose to third parties descriptions of security-related activities encountered by Managed

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Threat Detection and Response in Customer's environment, provided that such descriptions maintain the anonymity of Customer or Users.

### **SD-2.12. Audit**

*Section Effective Date: 09-Aug-2019*

Customer shall permit AT&T to audit use of the Service by Customer and Users. Such audit may be conducted no more than once per twelve months, at AT&T's expense, and this right will be exercised with reasonable prior notice, in such a manner as not to interfere with Customer's normal conduct of business. If the audit finds that Customer has underpaid any Service fees to AT&T, Customer shall pay to AT&T an amount equal to such underpayment within 30 days of receipt of notice of such underpayment.

### **SD-2.13. Customer Data**

*Section Effective Date: 02-Aug-2020*

All rights, title and interest in and to Customer Data are and will remain the property of Customer and all intellectual property rights including copyright, trademark, and trade secret rights in Customer Data are and will remain the property of Customer. Customer grants to AT&T, throughout the Term and use of Service and after the Term as necessary for any of AT&T's post-termination obligations to Customer, the necessary rights or license to use Customer Data as necessary to perform obligations related to the Service. Customer will not provide to AT&T or store as part of its use of the Service Customer Data that includes Payment Card Industry ("PCI") data or Protected Health Information ("PHI") data. Customer shall provide AT&T in the form and format and on the schedule specified by AT&T, Customer Data as is reasonably required for AT&T's performance of the Service. Customer grants to AT&T a, non-exclusive, transferable, sublicensable, royalty free license to use such Customer Data in order to provide the Service to Customer and the Users and as necessary to access the Service to monitor and diagnose issues related to the Service. Customer is responsible for maintaining back-up on all Customer Data. "Customer Data" means the data inputted by Customer or its Users for the purpose of using the Service.

#### **SD-2.13.1. Product Usage Data**

*Section Effective Date: 09-Aug-2019*

Customer agrees that AT&T may use information about how Customer uses the Service to generate statistics and to otherwise compile, synthesize and analyze such information for the purpose of operating, maintaining, repairing and improving the Service ("Product Usage Data"). Product Usage Data does not include Customer Data.

### **SD-2.14. Intellectual Property Rights**

*Section Effective Date: 02-Aug-2020*

- All intellectual property and proprietary rights arising by virtue of AT&T's performance of the Services are and will be the sole and exclusive property of AT&T, and neither ownership or title to any such property will pass to Customer.

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- Customer shall own those copies of any reports produced and furnished to Customer by AT&T in providing the Service ("Reports"), and Customer is hereby granted, under AT&T's copyrights, the perpetual, non-exclusive, personal and non-transferable right to reproduce and modify Reports for Customer's own internal business purposes. For avoidance of doubt, "internal business purposes" exclude public distribution, resale to third parties and revenue generation purposes.
- Except as otherwise expressly specified in this Service Guide, no other right or license to or under any of AT&T's intellectual property rights is either granted or implied hereunder.

### **SD-2.15. Compliance with Laws**

*Section Effective Date: 02-Aug-2020*

AT&T provides this Service for a cybersecurity purpose, and in the U.S, both Customer and AT&T agree to comply with the Cybersecurity Information Sharing Act of 2015 ("CISA"). When using the Service, Customer agrees to monitoring by AT&T and designs and sets all filtering and interception policies ("Security Policies"). AT&T undertakes only to implement the Security Policies as directed by Customer and accepts no responsibility for the design or appropriateness of such design or settings. As between AT&T and Customer, when using the Service, Customer is solely responsible for obtaining and complying with the authorizations, licenses and permissions required by law or by its suppliers or providers to enable the Service to access data on Customer's applications or products. Customer is responsible for obtaining consent from and giving notice to its Users regarding Customer's and AT&T's collection and use of User information in connection with a Service and regarding interception and/or monitoring of communications, including email and Internet use, associated with the Security Policies and the Service. Customer is responsible for obtaining agreement from its Users to provide reasonable cooperation with AT&T in connection with responses to requests or requirements regarding the Service by any regulator, authority and/or other governmental entity.

### **SD-3. Withdrawal of Service or Service Component**

*Section Effective Date: 06-Jan-2022*

AT&T may discontinue providing Service upon 12 months' notice, or a Service Component upon 120 days' notice, but only where AT&T generally discontinues providing the Service or Service Component to similarly-situated customers.

### **Service Level Objectives (SLO)**

#### **SLO-1. General Managed Threat Detection and Response SLO Terms**

*Section Effective Date: 09-Aug-2019*

AT&T has established performance objectives for AT&T Managed Threat Detection and Response services. Service Level Objectives (SLO) are indicative of the service level AT&T strives to meet, but Customer is not entitled to receive any credits for failure to attain an SLO.

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### SLO-1.1. Definitions

*Section Effective Date: 09-Aug-2019*

The definitions below apply to the Service Level Objectives described in this Service Guide.

- “Outage” is (unless stated otherwise) measured in minutes and is the time a Service or Service Component is unavailable on an unscheduled basis. An Outage does not include time when the Service or Service Component is unavailable during a scheduled period for maintenance, repair or upgrade. Customer notice of a scheduled maintenance, repair or upgrade may be given directly to Customer or by posting in USM Platform and is deemed received by Customer upon posting.
- “Maintenance” time can be either for “Scheduled Maintenance” or “Emergency Maintenance”. “Scheduled Maintenance” is maintenance, repair or updating activities that are performed during a maintenance window established by AT&T (e.g., by publishing on the USM Platform). “Emergency Maintenance” is unscheduled maintenance, repair or updating activities that are necessary in order to protect AT&T facilities, network services or the security of Customer equipment or property. AT&T will attempt to provide reasonable notice to the Customer when AT&T determines that it is required to perform Emergency Maintenance prior to the maintenance activity being performed.

### SLO-1.2. AT&T Managed Threat Detection and Response Availability Performance Objective

*Section Effective Date: 02-Aug-2020*

The performance objective for AT&T Managed Threat Detection and Response availability is described below.

“AT&T Managed Threat Detection and Response Availability” is measured by the following calculation:

- $((TT - TTF) / TT) \times 100 = \text{Percentage (\%)} \text{ of AT\&T Managed Threat Detection and Response Availability}$ 
  - TT = Total available Minutes per Month (Total minutes in a month – Maintenance = TT). Total available minutes do not include Maintenance.
  - TTF = Total Minutes of AT&T Managed Threat Detection and Response Outage Minutes during the measurement Month

An AT&T Managed Threat Detection and Response Availability Outage shall occur if Customer is unable to access the USM Platform for more than a minute. AT&T’s objective is to give customers access to the USM Platform at least 99.99% of the time.

### Service Level Agreement (SLA)

#### SLA-1. Overview

*Section Effective Date: 02-Aug-2020*

A Service Level Agreement (“SLA”) is available only for time to notify the customer after a Severity has been assigned to an Investigation.

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## SLA-2. SLA Exclusions

*Section Effective Date: 02-Aug-2020*

Notwithstanding any other clause herein, no commitment is made hereunder with respect to: (i) the Service being used in conjunction with hardware or software other than as specified in AT&T's published Documentation, (ii) hardware, software or other data center equipment or services not in the control of AT&T or outside the scope of the Service. (iii) alterations or modifications to the Service, unless altered or modified by AT&T (or at the direction of or as approved by AT&T); (iv) defects in the Service due to accident, hardware malfunction, abuse or use other than in accordance with AT&T's published Documentation (unless caused by AT&T or its agents); (v) an evaluation of the Service or other trial provided to Customer at no charge and (vi) any problems or issues of connectivity due to the network or internet connection of Customer.

## SLA-3. Time to Mitigate

*Section Effective Date: 01-Jul-2022*

Alarm Priority	Strategy Examples	Reporting Timeframe from Event Receipt
High	Malware Infection Privilege Escalation Data Exfiltration	2 Hours
Medium	Brute Force Authentication Credential Abuse Phishing Code Execution	8 Hours
Low	Anomalous User Behavior Account Manipulation Service Discovery Portscan	24 Hours

- The duration of time to notification will be determined by using the chart above. The SLA for customer contact is based on the time of Event(s) receipt to Investigation creation notification.
- The definitions below apply when used in this Service Guide:

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Term	Definition
Investigation	An Investigation(s) is used by the AT&T Managed Threat Detection and Response SOC analysts and customer to manage the full life cycle of an actionable security incident from detection to resolution. One Investigation can manage multiple related Alarms and Events. Investigations are managed and viewable from the USM Platform. The Investigation User Interface (UI) contains the Alarms and Events associated with a security incident, the AT&T SOC analysts “Notes” describing their assessment of the threat and risk of the incident, recommendations, and the option to attach files related to the incident. The AT&T Managed Threat Detection and Response SOC analyst team can create a new Investigation from suspicious activity identified as a result of ongoing manual analysis and threat hunting. A customer can also create their own Investigation based on an internal initiated security investigation.
Event	Events are single pieces of information describing one occurrence on the network among millions of others. One or more events may constitute an Alarm if certain conditions are met based on defined escalation and correlation rules. Events are derived from device, system, and application logs (Firewalls, OS, IDS, Proxy, Applications, AV, etc.).
Alarm	An Alarm is a notification that an “Event” or series of “Events” of interest has taken place. Alarms are presented in the “Alarm” view of the USM Platform. New Alarms are monitored and analyzed by the Managed Threat Detection and Response 24x7 AT&T SOC team. Managed Threat Detection and Response correlation and escalation rules (based on thresholds, asset and network risk score values, white and blacklists, and matches against Threat IOCs) can automatically generate Alarms that are forwarded to the USM Platform.

#### **SLA-4. SLA Reporting and Claims**

*Section Effective Date: 01-Jul-2022*

Customer’s sole remedy in the event it is determined that an SLA remedy is available will be a ten percent credit of the monthly recurring charge as set forth in the Service Agreement. To file a claim, Customer must provide written notice within 30 days of the date of the notice of the Investigation which includes the following:

- Information detailing the dates and time periods for the claim.
- An explanation of the claim made under this SLA regarding time to notify.

All claims will be verified against AT&T’s system records. Should any claim submitted by Customer be disputed, AT&T will make a determination in good faith based on its system logs, monitoring reports and configuration records and will provide to Customer a record of Service time to notify for the period in question upon Customer request. The record provided by AT&T shall be definitive. AT&T shall respond to a Customer claim within 10 days of claim submission.

All remedies referred to herein are subject to Customer having paid all applicable fees and fulfilled all of its obligations pertaining to the Service.

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## Pricing (P)

### P-1. AT&T Managed Threat Detection and Response Pricing

*Section Effective Date: 02-Aug-2020*

- Defined Scope. Pricing is based on the current Service Agreement. Any additions or changes to the Service will necessitate changes in pricing.
- Customer may have separate contracts for AlienVault USM Anywhere and a contract for Managed Threat Detection and Response Service at the same time. If customer chooses to transition from AlienVault USM Anywhere to Managed Threat Detection and Response Service, a new contract will be required.
- Customer's Service location is deemed to be the customer's contract address unless the customer provides AT&T with their specific User locations for the Managed Threat Detection and Response Service.

### P-2. Service Activation

*Section Effective Date: 02-Aug-2020*

Invoicing begins on Service Activation. AT&T will contact Customer for a formal kick-off call to discuss service delivery. The Service Activation Date will be thirty (30) calendar days from the time Customer's Service license is issued.

## Country Specific Provisions (CSP)

### CSP-1. EU General Data Protection Regulation Requirements

*Section Effective Date: 07-Jan-2022*

For Customers subject to EU General Data Protection Regulation Requirements, the applicable Data Protection Agreement for this Service, including pre-populated Model Clauses, is located at <https://www.alienvault.com/legal/gdpr/customers>.

#### CSP-1.1. Applicability of Section 18 of the General Provisions (GP18 General Data Protection Regulation Requirements)

*Section Effective Date: 08-Jan-2022*

The Service Guide General Provisions section "EU General Data Protection Regulation Requirements" does not apply to this Service.

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End of Service Guide

*The AT&T Business Service Guide is subject to change by AT&T from time to time.  
See <http://serviceguidenew.att.com> for current version.*

This document reflects the Service Guide in effect as of August 17, 2022



# **Incident Response Retainer Service Description**

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*This document reflects the Service Description in effect as of March 30, 2021*

## Incident Response Retainer Description from AT&T Cybersecurity Consulting

*Section Effective Date: 30-March-2021*

The Incident Response Retainer Solution from AT&T Cybersecurity Consulting (the "Solution") provides expert assistance to Customer in the event of a security breach. Once on site, AT&T Cybersecurity Consulting will work with the Customer staff to identify additional objectives as they relate to the incident.

This document serves as the Statement of Work ("SOW") which details the ATT Cybersecurity Consulting Incident Response Retainer Solution. This Service provides Customers with a game plan in the event of a security incident, as well as the resources to assist Customer with the response to the incident.

This Service Description is subject to change by AT&T from time to time upon 30 days' notice to Customer.

This Service Description consists of the following parts:

- Service Description (SD)
- Pricing (P)

### **Service Description (SD)**

#### **SD-1. General**

*Section Effective Date: 30-March-2021*

The Solution enables Customer to field a team of information security professionals in response to a security incident or breach, assess the nature and depth of the breach, as well as the remediation of the breach. The Solution can gather and validate data that can be shared with law enforcement authorities. This Solution also can provide a programmatic approach to Customer's incident response plan. With regular touch points and scheduled activities, the Solution can assist the Customer in preparing for a cyber security incident and to take action should a cyber security incident occur.

As part of the onboarding process and preparedness exercises, Consultants delivering the Solution can work with Customer security staff, legal and executive teams to create internal and external messaging for use in the event of an incident. Through the program reviews / table top exercises the release of this messaging can be planned so that if an incident occurs, both the timing and the method of the release of this information is reviewed and approved ahead of the incident.

With Customer consent, the Solution will utilize any relationship that Customer has in place with AT&T today. As part of the onboarding process AT&T Cybersecurity Consulting can use the available knowledge of relevant network and security services AT&T provides to Customer to provide unique insights into the current environment and make use of this knowledge to further customize the Solution for Customer.

**SD-1.1 Plans***Section Effective Date: 30-March-2021*

The following plans are available: Bronze Tier, Silver Tier, and Gold Tier for Domestic U.S. only coverage and Silver Tier and Gold Tier for clients that need multi-national support including the Domestic U.S. or for regions outside of the Domestic U.S.

<b>Service Tier Plans – Domestic U.S.</b>			
<b>Features</b>	<b>Bronze Tier</b>	<b>Silver Tier</b>	<b>Gold Tier</b>
Phone Response Service Level Objective	24 Hours	16 Hours	12 Hours
Resources En Route Service Level Objective	Requires Change Order based on Scope and Location	48 Hours	24 Hours
Initial Onboarding/Readiness Review	NA	Yes (Year 1 Only)	Yes (Year 1 Only)
Annual Readiness Update	NA	Yes (Years 2 and greater only)	Yes (Years 2 and greater only)
Hours Included Annually	20	40	120
Monthly Threat Review Call	NA	NA	Yes
IR Plan Review / Table Top Exercise	NA	NA	Either One

<b>Service Tier Plans - Global</b>		
<b>Features</b>	<b>Silver Tier</b>	<b>Gold Tier</b>
Phone Response Service Level Objective	16 Hours	12 Hours
Resources En Route Service Level Objective	Requires Change Order based on Scope and Location	Requires Change Order based on Scope and Location
Initial Onboarding/Readiness Review	Yes (Year 1 Only)	Yes (Year 1 Only)
Annual Readiness Update	Yes (Years 2 and greater only)	Yes (Years 2 and greater only)
Hours Included Annually	40	120
Monthly Threat Review Call	NA	Yes
IR Plan Review / Table Top Exercise	NA	Either One

**SD-2. Defined Terms and Important Information***Section Effective Date: 30-March-2021*

- Service hours included in the retainers must be used in 20-hour increments. These hours can be used for tasks related to incident response and forensic services such as playbook creation, image acquisition and analysis, breach investigations, table top exercises or threat hunting exercises. These hours may also be used, on a one for one basis, for



non-managed, non-incident response and forensic services offered at the time of consumption by the AT&T Cybersecurity Consulting Cyber Operations practice such as penetration testing, application testing, or social engineering.

- AT&T reserves the right to (i) modify or discontinue the Solution in whole or in part and/or (ii) terminate the Solution at any time without cause. In the event of such an event is material and adverse to the provision of the services, Supplier will refund a pro-rated amount of the applicable changes to the Customer in the applicable year.
- AT&T reserves the right to conduct work at a remote location or use, in AT&T's sole discretion, employees, contractors or suppliers located outside the United States to perform work in connection with or in support of the Solution.
- All charges and fees paid are non-refundable.
- All plans require a minimum one-year commitment term ("Term"). All plans are billed annually in advance.
- On-site response services limited to Domestic U.S. plans. On-site support in most of world locations is available on a per-incident basis based for additional fees, determined at time of request through a scoping conversation.
- The Term of the Solution will be 365 calendar days and will begin on the latter of the date of the countersigning of the AT&T Cybersecurity Consulting Incident Response Agreement ("Incident Response Agreement") or the Service Initiation Date specified on the Incident Response Agreement which cannot precede the date of the countersigning and delivery of the document to the other Party. Delivery of an executed counterpart of a signature page to this Solution by facsimile, ".pdf" or other electronic transmission will be as effective as delivery of a mutually executed agreement. Any services not fully consumed by the end of the Term are forfeited.
- "Annual Service Charge" means the amount to be paid by Customer for the selected Service Tier Plan of support in each applicable Year.
- "En Route" means that Supplier Personnel will be dispatched to the applicable Customer Site, subject to commercially available travel facilities.
- The Solution excludes travel and related expenses. Customer will be responsible for all reasonable out-of-pocket expenses including travel, meals, lodging and other direct costs related to the engagement. Any travel expenses, air fare, per diem, or lodging will be billed in accordance with the Supplier's standard corporate travel policies.
- "Customer Designee" means one, two or three persons designated by Customer to contact Supplier to engage support. The Customer Designee(s) shall each have the authority to engage Supplier and authorize Supplier to expend Support Hours and incur expenses.
- "Hour" means any 60-minute period during any calendar day (e.g., the definition includes any hours including after normal business hours, weekends or holidays).
- "Incident" means an adverse or unplanned computer security incident in which Customer elects to exercise the Solution.
- "Incident Response Hotline" means a toll-free number the Customer Designee will call to activate a Phone and/or On-site Response.
- "Included Support Hours" means Support Hours included in the Annual Service Charge for the respective Service Tier. All Support Hours beyond those included in the contracted Service Tier are Incremental Services.
- "Incremental Services" means any Service that is not included in the contracted Service Tier and will be billed on a time and materials basis as set forth in section P-1 below.
- "On-Site Resource Support" means in-person support at a location of the Customers choosing, limited to locations within North America.
- "Phone Response Service Level Objective" means that Supplier will make commercially reasonable efforts to return a telephone call placed by the Customer Designee to the AT&T Cybersecurity Consulting Supplier Personnel within the timeframe associated with the effective Service Tier (i.e., either speaking with the Customer Designee or leaving a voicemail message on the Customer Designee's telephone system). This Service Level Objective is for informational purposes only and failure to achieve this Service Level Objective shall not be deemed a performance failure or breach of the Agreement by the Supplier.
- "Resources En Route Service Level Objective" means that Supplier will make commercially reasonable efforts to provide one or more Supplier Resource(s) En Route to a Site having an Event within the timeframe associated with the effective Service Tier. This Service Level Objective is for informational purposes only and failure to achieve this Service Level Objective shall not be deemed a performance failure or breach of the Agreement by the Supplier.
- "Respond" means that a Supplier Resource either (i) returns the call of a Customer Designee regarding an Event, (ii) is taking actions to support the resolution of the event remotely or (iii) is En Route to the Site.

- “Site” is a Customer owned, leased, or utilized physical location (which may or may not then be currently receiving Services under the Agreement) to which the Supplier Resource will either support (via a Phone Response) or provide on-site support (via Supplier Resources).
- “Global” response excludes Iran, Iraq, North Korea, Afghanistan, Cuba, Burundi, Syria, Sudan, Venezuela, Libya, Liberia, Lebanon, Somalia, Democratic Republic of the Congo, Haiti, Central African Republic, Yemen as well as any nation, country or geographic area that is restricted from doing business with the United States or that poses significant risk to the safety of resources delivering the Solution.
- “Supplier Resource” means one person providing services to Customer.
- “Support Hours” means the billable time and materials support for any Incremental Services.
- “E-Mail Change Request” means a written request (sent by e-mail) by one or more Customer Designees to AT&T Cybersecurity Consulting Contact exercising services under the Incident Response Retainer or any Incremental Services. The Customer Designee shall use the phrase “INCIDENT RESPONSE RETAINER SERVICE REQUEST” in the header of the E-Mail Change Request.

**SD-3. DISCLAIMER: LIMITATION OF LIABILITY**

*Section Effective Date 30-March-2021*

A. WHILE IMPLEMENTING THE RECOMMENDATIONS DELIVERED AT THE COMPLETION OF AN ENGAGEMENT MAY INHIBIT INTRUSION OF CUSTOMER’S NETWORK BY THIRD PARTIES, AT&T DOES NOT GUARANTEE THAT THE SOLUTION WILL BE EFFECTIVE AGAINST UNAUTHORIZED INTRUSION OF CUSTOMER’S NETWORK.

B. NOTWITHSTANDING ANYTHING CONTAINED TO THE CONTRARY IN THE PROFESSIONAL SERVICES AGREEMENT, UNDER NO CIRCUMSTANCES WILL AT&T BE HELD LIABLE FOR DAMAGES OR COSTS THAT MAY BE CAUSED BY THE SOLUTION, NETWORK INTRUSION BY ANY THIRD PARTY, FOR ANY INTERRUPTIONS IN NETWORK SERVICE THAT MAY OCCUR, OR FOR ANY DAMAGE TO CUSTOMER DATA OR DEVICES THAT MAY RESULT FROM THE SOLUTION.

**Pricing (P)****P-1. Plans and Billing***Section Effective Date: 30-March-2021*

All plans require a minimum of a one-year commitment term ("Term"). All plans are billed annually in advance.

<b>Plans</b>	<b>Features</b>		
	Annual Incident Response Retainer Fee	Ongoing Hourly Rate	Annual Fee Discount for Consecutive Year Renewal
<b>Domestic U.S. Support Plans</b>			
Bronze Tier	\$8,500.00 USD	\$425.00 USD	NA
Silver (Domestic US)	\$30,000.00 USD	\$375.00 USD	10% of First Year Base Annual Fee
Gold (Domestic US)	\$65,000.00 USD	\$325.00 USD	10% of First Year Base Annual Fee
<b>Global Support Plans</b>			
Silver (Global)	\$55,000.00 USD	\$375.00 USD	NA
Gold (Global)	\$120,000.00 USD	\$325.00 USD	NA

- The initiation of the Term is further described in Section SD-2 herein. Discount for renewal of Silver (Domestic US) and Gold (Domestic US) retainer only available in consecutive years. If Customer does not renew for the year immediately following the initial or preceding retainer period and later wants to purchase another retainer, the customer will be charged full price.
- Discount for renewal of Silver (Domestic US) retainer only available to customers who complete renewal at least 14 days prior to the current Silver (Domestic US) or Gold (Domestic US) Incident Response Retainer Agreement's expiration. There is no renewal discount available if upgrading from a Bronze Tier to a Silver (Domestic US) or Gold (Domestic US) Retainer.

Any discounts offered by AT&T to Customer during a prior Term will not apply during any new or renewal Term unless specifically agreed to in writing by the parties

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September 26, 2022

Prepared by: C. Spangenberg / M. Cortez

Submitted by: K. Burton

Approved by: Paul A. Cook *PA*

## ACTION CALENDAR

### REHABILITATION OF DYER ROAD WELLFIELD WELLS 10 AND 12 BUDGET INCREASE AND CONSTRUCTION AWARD

#### SUMMARY:

Dyer Road Wellfield (DRWF) Wells 10 and 12 have experienced biological and inorganic fouling as well as reduction in production and specific capacity, and need rehabilitation. Staff recommends that the Board:

- Authorize a budget increase in the amount of \$600,000, from \$810,000 to \$1,410,000, for Project 07087, and in the amount of \$600,000, from \$770,000 to \$1,370,000, for Project 11845; and
- Authorize the General Manager to execute a construction contract with Best Drilling and Pump, Inc. in the amount of \$2,133,834 for the Rehabilitation of DRWF Wells 10 and 12.

#### BACKGROUND:

DRWF Wells 10 and 12 require rehabilitation to improve their hydraulic performance and remove foulants and scale from the wells. A location map is provided in Exhibit "A".

DRWF Well 10 was constructed in 1994 with copper bearing steel casing. The specific capacity has decreased from its original 112 gallons per minute per foot of drawdown (gpm/ft-dd) to the current specific capacity of 20 gpm/ft-dd. The decreased specific capacity is attributed to heavy biological fouling and encrustation buildup within the gravel pack and casing, as verified by a recent downhole video of the well. The original pumping rate was 5,000 gpm; the latest recorded pumping rate in 2022 was 2,000 gpm. This well has been a high priority for rehabilitation but was delayed due to operational constraints. Well 10 acts as the chlorine solution feed for the Initial Disinfection Facility (IDF) to maintain a chlorine residual in the DRWF transmission main prior to final disinfection at the Primary Disinfection Facility (PDF). As a result, rehabilitation of this well will be initiated after Well 12 rehabilitation is completed and the PDF conversion to sodium hypochlorite is completed at the end of 2022.

DRWF Well 12 was constructed in 1981 with mild steel casing and steel Johnson screens. The specific capacity has decreased from its original 88 gpm/ft-dd to 20 gpm/ft-dd, apparently due to heavy biological fouling and encrustation buildup within the gravel pack. Like Well 10, the original pumping rate was 5,000 gpm and has dropped to 2,000 gpm. The drop in production rates is partially due to the loss of 200 feet of screen at the bottom of the well that was sealed with concrete to reduce manganese and color levels in the finished water in past years.

Construction Award:

IRWD retained Richard C. Slade & Associates to provide design services for the rehabilitation of DRWF Wells 10 and 12. The rehabilitation design was completed in August 2022, and the project was advertised for construction to a select bidders list of five contractors. The bid opening was held on September 8, 2022 and one bid was received. Best Drilling and Pump, Inc. is the apparent low bidder with a bid amount of \$2,133,834; the engineer's estimate was \$2,228,054. The other potential bidders informed IRWD that they decided to not submit a bid due to their heavy workloads through the end of the calendar year 2023. The bid amount for Well 10 was \$1,071,849 and for Well 12 was \$1,061,985.

Staff reviewed previous well rehabilitation bid item costs for the recently completed DRWF Wells 1, 11 and 13 Rehabilitation. In comparison, Best's current bid item unit prices are higher due to cost increases in steel, stainless steel, labor, and fuel. For example, approximately 70% of the liner cost is for material with stainless steel as the main cost component. For previously completed Well 1, the cost for the stainless-steel liner was \$348 per foot and the current project cost for the stainless-steel liner is \$432 per foot, an increase of 25%. Staff believes the bid from Best is fair based on comparison to other well rehabilitation contracts in the last few years. The bid summary is attached as Exhibit "B".

FISCAL IMPACTS:

Rehabilitation of DRWF Wells 10 and 12, Projects 07087 and 11845, are included in the FY 2022-23 Capital Budget and increases for projects 07087 and 11845 are needed to fund the construction phase of the projects.

Project No.	Current Budget	Addition <Reduction>	Total Budget
07087	\$ 810,000	\$ 600,000	\$1,410,000
11845	\$ 770,000	\$ 600,000	\$1,370,000
Total	\$1,580,000	\$1,200,000	\$2,780,000

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15301 which provides exemption for operation, repair, maintenance, permitting, leasing, licensing or minor alterations of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. A Notice of Exemption for Well 10 was filed with the Orange County Clerk Recorder on July 10, 2018, and for Well 12 on September 12, 2022.

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE IN THE AMOUNT OF \$600,000, FROM \$810,000 TO \$1,410,000, FOR PROJECT 07087, AND IN THE AMOUNT OF \$600,000, FROM \$770,000 TO \$1,370,00, FOR PROJECT 11845; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH BEST DRILLING AND PUMP, INC. IN THE AMOUNT OF \$2,133,834 FOR REHABILITATION OF DYER ROAD WELLFIELD WELLS 10 AND 12, PROJECTS 07087 AND 11845.

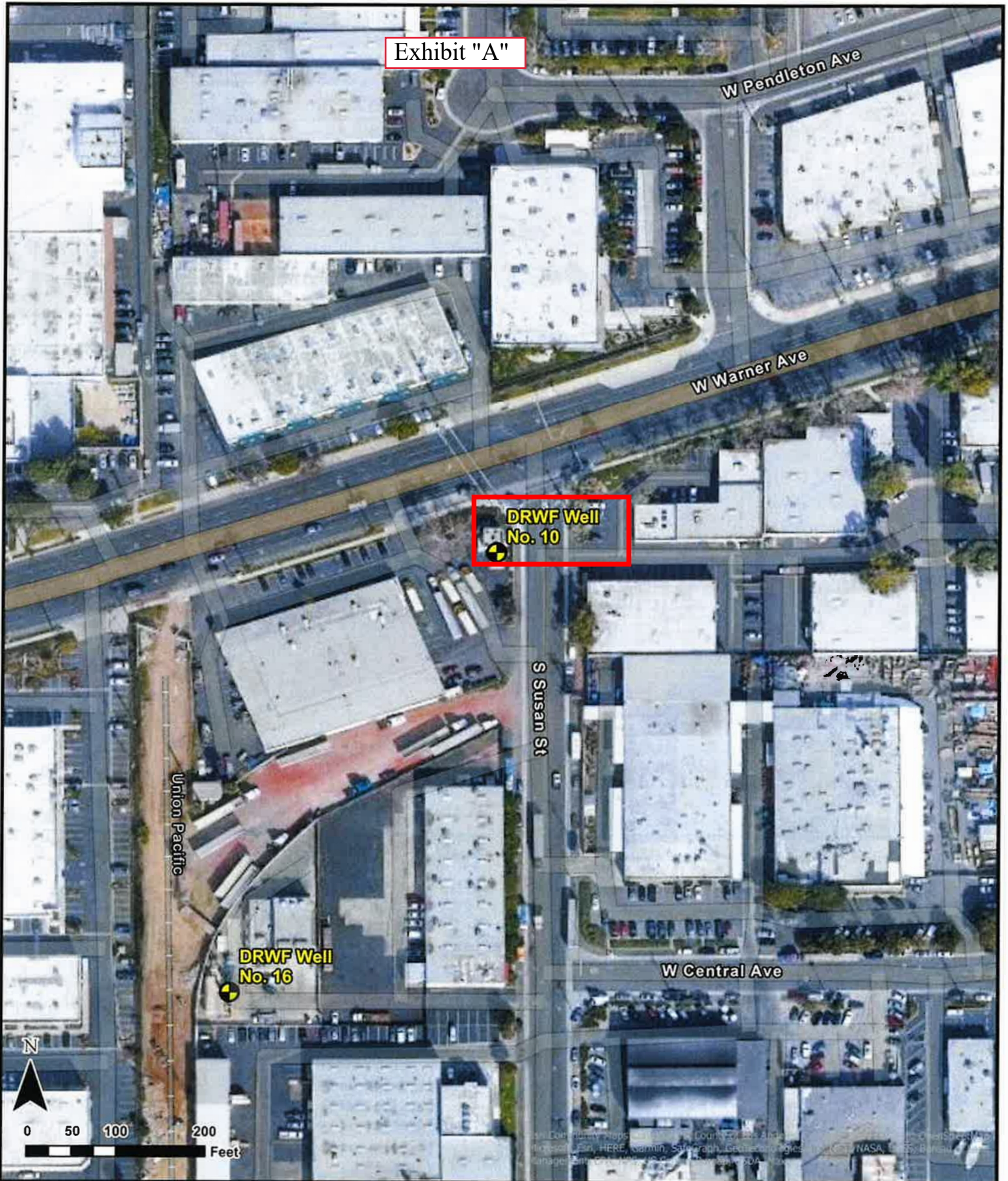
LIST OF EXHIBITS:

- Exhibit "A" – Location Map
- Exhibit "B" – Bid Summary

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Exhibit "A"



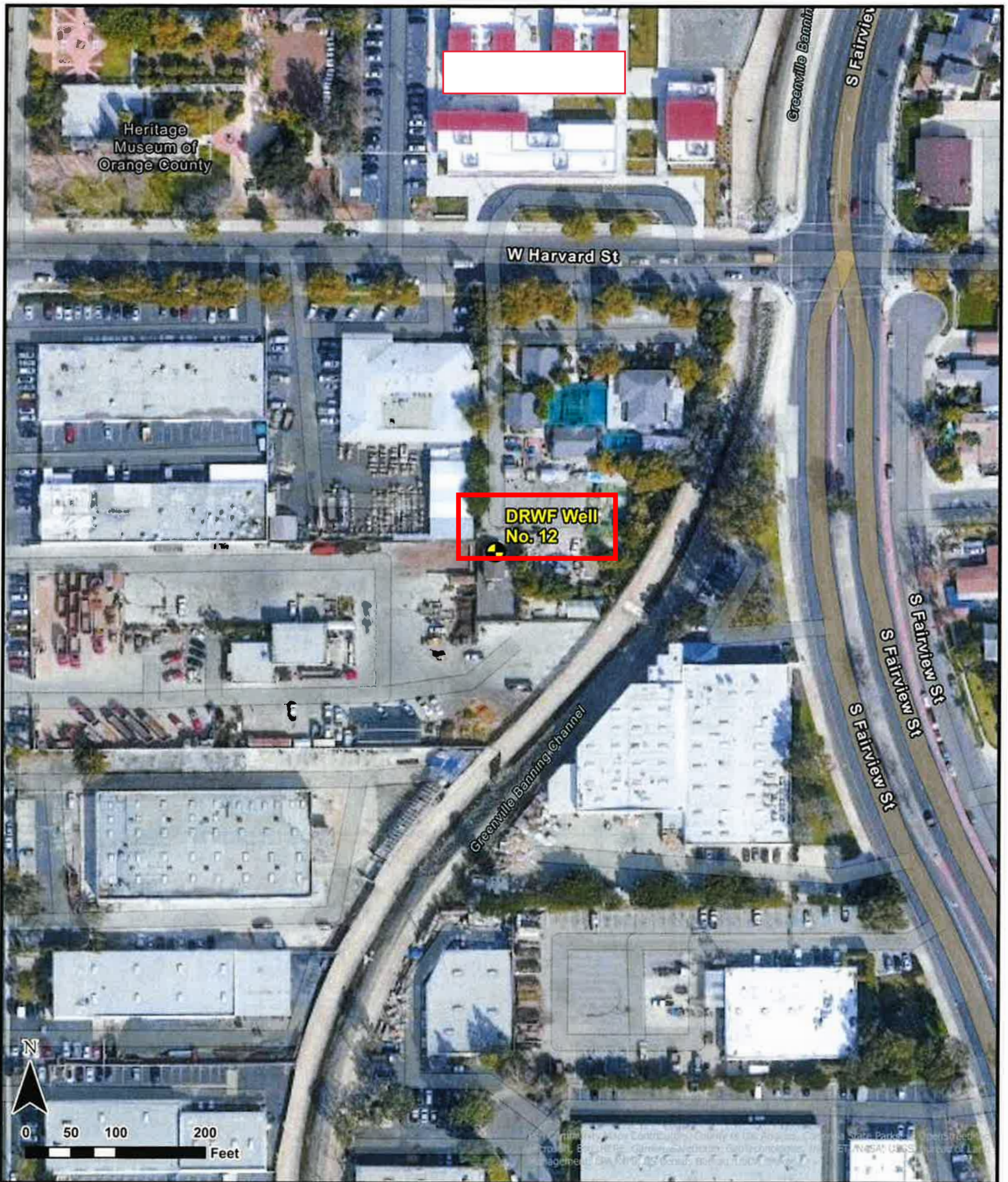
**LEGEND**

IRWD Well Location

**RCS**

**FIGURE A1**  
**WELL LOCATION MAP**  
**IRWD DRWF WELL NO. 10**

RCS Job No. 382-OGE25 August 2022



**LEGEND**

IRWD Well Location

**RCS**

**FIGURE A3  
WELL LOCATION MAP  
IRWD DRWF WELL NO. 12**

RCS Job No. 382-OGE25 August 2022

# EXHIBIT "B"

## Bid Results

### Bidder Details

**Vendor Name** Best Drilling and Pump, Inc.  
**Address** 1640 Pellisier Rd.  
Colton, California 92324  
United States  
**Respondee** Chris Brown  
**Respondee Title** Project Manager  
**Phone** 909-649-2329  
**Email** cbrown@bestdrillingandpump.com  
**Vendor Type** CADIR  
**License #** 826672  
**CADIR** 1000001067

### Bid Detail

**Bid Format** Electronic  
**Submitted** 09/07/2022 4:11 PM (PDT)  
**Delivery Method**  
**Bid Responsive**  
**Bid Status** Submitted  
**Confirmation #** 303614

### Respondee Comment

### Buyer Comment

### Attachments

File Title	File Name	File Type
IRWD Wells 10 and 12 BDPI Bid Proposal.pdf	IRWD Wells 10 and 12 BDPI Bid Proposal.pdf	Bid Form

### Subcontractors

No Subcontractors

Irvine Ranch Water District								
Bid Results for Project Rehabilitation of Dyer Road Wellfield Well Nos. 10 & 12 (07087) - Best Drilling and Pump, Inc.								
Issued on 08/15/2022								
Bid Due on September 08, 2022 2:00 PM (PDT)								
<b>BASE BID ITEMS - SCHEDULE A - DYER ROAD WELLFIELD WELL NO. 10</b>								
Item Num	Item Code	Description	Unit of Measure	Quantity	Unit Price	Line Total		
1	A1.	Payment and Performance Bonds, and Insurance	LS	1	\$35,000.00	\$35,000.00		
2	A2.	Mobilization/Demobilization of pump rig, equipment and accessories. Prepare contract documents and other preliminary work and prepare site as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02480	LS	1	\$125,000.00	\$125,000.00		
3	A3.	Disconnect motor from electrical system, remove discharge header, pipe, motor column pipe, vertical turbine pump, couplings, electrical cable and all other appurtenances and sound well. Deliver pump and motor to DISTRICT MWRP Operations Center as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02482	LS	1	\$12,500.00	\$12,500.00		
4	A4.	Clear the water column in the entire casing and perform an initial color video survey of the well as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02496.	LS	1	\$1,500.00	\$1,500.00		
5	A5.	Brush well casing with a nylon wire brush. Conduct initial biocleaning of the casing walls by injecting hydrogen peroxide into the well during brushing and bail sediment fill following brushing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02483.	HRS	24	\$465.00	\$11,160.00		
6	A6.	Perform an Electro-Magnetic Thickness (EMT24) survey of the full length of the well casing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02486. See also Bid Items A22-1 thru A22-4 in the event that optional casing patches or a full casing liner is deemed necessary in one or both of the wells.	LS	1	\$8,500.00	\$8,500.00		
7	A7.	Conduct well redevelopment using "airjetting" methods, via the AirBurst® or BoreBlast® methods as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02491.	LS	1	\$19,500.00	\$19,500.00		
8	A8.	Perform chemical treatment of well water using HercChemTech chemical treatment plan, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02492.	LS	1	\$110,000.00	\$110,000.00		
9	A9.	Perform mechanical redevelopment (airlifting and swabbing) of the well, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02493.	HRS	60	\$550.00	\$33,000.00		
10	A10.	Conduct treatment and discharge of mechanical and/or pumping redevelopment fluids (as applicable) via neutralization and blending and disposal of solids/sludges per specifications, including treatment, sampling, analysis, and reporting for NPDES compliance, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02494.	LS	1	\$25,000.00	\$25,000.00		
11	A11.	Clear water column and provide up to two downwell interim, clear-viewing, color video surveys of well casing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02496.	EA	2	\$1,500.00	\$3,000.00		
12	A12.	Mobilize, install, maintain, remove, and demobilize a diesel or gasoline engine, temporary test pump, equipment, and other appurtenances/accessories as necessary, and in accordance with the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02497.	LS	1	\$30,000.00	\$30,000.00		
13	A13.	Perform pumping redevelopment of the well including monitoring of water levels, pumping rates, and sand content, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02498.	HRS	80	\$550.00	\$44,000.00		
14	A14.	Perform a 12-hour (maximum) step drawdown test and a minimum 24-hour (maximum 48-hour) constant rate pumping test, including monitoring of water levels, pumping rates, and sand content, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02499.	HRS	60	\$550.00	\$33,000.00		
15	A15.	Perform a flowmeter (spinner) survey under dynamic (pumping) conditions throughout the perforated sections of the well, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02500.	LS	1	\$8,300.00	\$8,300.00		
16	A16.	Conduct depth-specific groundwater sampling at seven (7) specific depth intervals. Collection, sampling, and analysis are to be performed by the DISTRICT, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02501.	EA	7	\$460.00	\$3,220.00		
17	A17.	Clear water column and provide the final downwell color video survey of the well casing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02503.	LS	1	\$1,500.00	\$1,500.00		
18	A18.	Conduct a static spinner survey of the well under non-pumping conditions. as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02504.	LS	1	\$4,500.00	\$4,500.00		
19	A19-1.	Furnish new column pipe, couplings, line shaft, adaptors, and all other items necessary to complete pump installation, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290.	LS	1	\$85,000.00	\$85,000.00		
20	A19-2.	Pickup vertical turbine pump and motor from DISTRICT and re-install pump/motor and all appurtenances to original depth or to an alternative depth, as directed, and as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290.	LS	1	\$1,500.00	\$1,500.00		

Item Num	Item Code	Description	Unit of Measure	Quantity	Unit Price	Line Total
21	A19-3.	Allowance for additional costs for parts and/or materials during re-installation of permanent pump, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290.	LS	1	\$5,000.00	\$5,000.00
22	A19-4.	Re-establish wiring and connection of permanent pump and motor into DISTRICT electrical system, in the presence of a DISTRICT electrician and conduct testing of the permanent pump for a period of three (3) consecutive days, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290.	LS	1	\$5,000.00	\$5,000.00
23	A19-5.	Provide for vibration monitoring and testing of the permanent pump (initial), as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290.	LS	1	\$4,500.00	\$4,500.00
24	A20.	Conduct well disinfection and clean-up site), as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02505.	LS	1	\$3,500.00	\$3,500.00
25	A21-1.	Standby time with Active rig and crew as directed by DISTRICT, as specified in the Technical Specifications Section 02506.	HRS	16	\$100.00	\$1,600.00
26	A21-2.	Standby time with Inactive rig and crew as directed by DISTRICT, as specified in the Technical Specifications Section 02506.	HRS	16	\$150.00	\$2,400.00
27	A22.	Restore site and proximity to pre-existing conditions, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02507.	LS	1	\$7,500.00	\$7,500.00
28	A23-1.	Conduct a caliper survey(optional) to the total depth of the existing well, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02487.	LS	1	\$1,600.00	\$1,600.00
29	A23-2.	Perform a plumbness & alignment survey (optional) to the total depth of the well, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02488.	LS	1	\$2,800.00	\$2,800.00
30	A23-3.	Install patch(es) in the well (optional)at depths as directed by the DISTRICT, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02489.	LS	1	\$12,500.00	\$12,500.00
31	A23-4.	Install a full casing liner and gravel pack envelope (optional) inside the existing (original) well casing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02490.	LS	1	\$430,269.00	\$430,269.00
		<b>DYER ROAD WELLFIELD WELL NO. 10 SUBTOTAL</b>			Subtotal	<b>\$1,071,849.00</b>
<b>BASE BID ITEMS - SCHEDULE B - DYER ROAD WELLFIELD WELL NO. 12</b>						
32	B1.	Mobilization/Demobilization of pump rig, equipment and accessories. Prepare contract documents and other preliminary work and prepare site as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02480	LS	1	\$125,000.00	\$125,000.00
33	B2.	Disconnect motor from electrical system, remove discharge header, pipe, motor column pipe, vertical turbine pump, couplings, electrical cable and all other appurtenances and sound well. Deliver motor, pump, and discharge header to DISTRICT MWRP Operations Center as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02482.	LS	1	\$12,500.00	\$12,500.00
34	B3.	Clear the water column in the entire casing and perform an initial color video survey of the well as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02496.	LS	1	\$1,500.00	\$1,500.00
35	B4.	Brush well casing with a nylon wire brush. Conduct initial biocleaning of the casing walls by injecting hydrogen peroxide into the well during brushing and bail sediment fill following brushing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02483.	HRS	24	\$465.00	\$11,160.00
36	B5.	Perform Electro-Magnetic Thickness (EMT24) survey of the full length of the well casing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02486. See also Bid Items A22-1 thru A22-4 in the event that optional casing patches or a full casing liner is deemed necessary in one or both of the wells.	LS	1	\$8,500.00	\$8,500.00
37	B6.	Conduct well redevelopment using "airjetting" methods, via the AirBurst® or BoreBlast® methods, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02491.	LS	1	\$19,500.00	\$19,500.00
38	B7.	Perform chemical treatment of well water using HercChemTech chemical treatment plan, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02492.	LS	1	\$110,000.00	\$110,000.00
39	B8.	Perform mechanical redevelopment (airlifting and swabbing) of the well, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02493.	HRS	60	\$550.00	\$33,000.00
40	B9.	Conduct treatment and discharge of mechanical and/or pumping redevelopment fluids (as applicable) via neutralization and blending and disposal of solids/sludges per specifications, including treatment, sampling, analysis, and reporting for NPDES compliance, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02494.	LS	1	\$25,000.00	\$25,000.00
41	B10.	Clear water column and provide up to two downwell interim, clear-viewing, color video surveys of well casing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02496.	EA	2	\$1,500.00	\$3,000.00
42	B11.	Mobilize, install, maintain, remove, and demobilize a diesel or gasoline engine, temporary test pump, equipment, and other appurtenances/accessories as necessary, and in accordance with the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02497.	LS	1	\$30,000.00	\$30,000.00

Item Num	Item Code	Description	Unit of Measure	Quantity	Unit Price	Line Total
43	B12.	Perform pumping redevelopment of the well including monitoring of water levels, pumping rates, and sand content, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02498.	HRS	80	\$550.00	\$44,000.00
44	B13.	Perform a 12-hour (maximum) step drawdown test and a minimum 24-hour (maximum 48-hour) constant rate pumping test, including monitoring of water levels, pumping rates, and sand content, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02499.	HRS	60	\$550.00	\$33,000.00
45	B14.	Perform a flowmeter (spinner) survey under dynamic (pumping) conditions throughout the screened sections of the well, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02500.	LS	1	\$8,300.00	\$8,300.00
46	B15.	Conduct depth-specific groundwater sampling at three (3) specific depth intervals. Collection, sampling, and analysis are to be performed by the DISTRICT, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02501.	EA	3	\$460.00	\$1,380.00
47	B16.	Clear water column and provide the final downwell color video survey of the well casing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02503.	LS	1	\$1,500.00	\$1,500.00
48	B17.	Conduct a static spinner survey of the well under non-pumping conditions, . as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02504.	LS	1	\$4,500.00	\$4,500.00
49	B18-1.	Furnish new column pipe, couplings, line shaft, adaptors, and all other items necessary to complete pump installation, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290	LS	1	\$100,000.00	\$100,000.00
50	B18-2.	Pickup vertical turbine pump, motor and discharge header from DISTRICT and re-install pump/motor and all appurtenances to original depth or to an alternative depth, as directed, and as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290.	LS	1	\$1,500.00	\$1,500.00
51	B18-3.	Allowance for additional costs for parts and/or materials during re-installation of permanent pump, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290.	LS	1	\$5,000.00	\$5,000.00
52	B18-4.	Re-establish wiring and connection of permanent pump and motor into DISTRICT electrical system, in the presence of a DISTRICT electrician and conduct testing of the permanent pump for a period of three (3) consecutive days, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290.	LS	1	\$5,000.00	\$5,000.00
53	B18-5.	Provide for vibration monitoring and testing of the permanent pump (initial), , as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 11290.	LS	1	\$4,500.00	\$4,500.00
54	B19.	Conduct well disinfection and clean-up site), as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02505.	LS	1	\$3,500.00	\$3,500.00
55	B20-1.	Standby time with Active rig and crew as directed by DISTRICT, as specified in the Technical Specifications Section 02506.	HRS	16	\$100.00	\$1,600.00
56	B20-2.	Standby time with Inactive rig and crew as directed by DISTRICT, as specified in the Technical Specifications Section 02506.	HRS	16	\$150.00	\$2,400.00
57	B21.	Restore site and proximity to pre-existing conditions, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02507.	LS	1	\$13,500.00	\$13,500.00
58	B22-1.	Conduct a caliper survey (optional) to the total depth of the existing well, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02487.	LS	1	\$1,600.00	\$1,600.00
59	B22-2.	Perform a plumbness & alignment survey (optional)to the total depth of the well, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02488.	LS	1	\$2,800.00	\$2,800.00
60	B22-3.	Install patch(es) (optional) in the well at depths as directed by the DISTRICT, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02489.	LS	1	\$13,500.00	\$13,500.00
61	B22-4.	Install a full casing liner and gravel pack envelope (optional) inside the existing well casing, as specified in the General Requirements Section 01840, the Special Provisions Section 00200 & the Technical Specifications Section 02490.	LS	1	\$435,245.00	\$435,245.00
		<b>DYER ROAD WELLFIELD WELL NO. 12 SUBTOTAL</b>			Subtotal	<b>\$1,061,985.00</b>
62		ADDITION (+) OR DEDUCTION (-)	LS	1	\$0.00	\$0.00
					Subtotal	\$0.00
		<b>GRAND TOTAL - BASE BID ITEMS SCHEDULE A &amp; B</b>			<b>Total</b>	<b>\$2,133,834.00</b>

September 26, 2022  
Prepared by: K. Welch  
Submitted by: F. Sanchez / P. Weghorst  
Approved by: Paul A. Cook *PAW*

## ACTION CALENDAR

### TERMS FOR LETTER AGREEMENT TO ALLOW METROPOLITAN WATER DISTRICT TO BORROW WATER

#### SUMMARY:

Due to ongoing severe drought conditions and reduced State Water Project (SWP) allocations, Metropolitan Water District has requested the ability to borrow SWP supplies stored in IRWD's Kern Water Bank (KWB) account. Currently, IRWD has 1,803 acre-feet (AF) of SWP water stored in its KWB account. In response to this request, staff has prepared terms for a letter agreement that would allow Metropolitan to borrow these supplies in exchange for benefits to IRWD. Staff recommends the Board authorize the General Manager to execute a letter agreement with Metropolitan based on these terms.

#### BACKGROUND:

Upon becoming a landowner in Dudley Ridge Water District, IRWD acquired water banking capacities and supplies in the Kern Water Bank (KWB). IRWD has accrued 1,803 AF of SWP water in its KWB account which ultimately must be used inside Dudley Ridge.

In June 2022, Metropolitan requested concepts for short- and long-term projects that could help make up shortfalls in Metropolitan's ability to deliver water to the SWP-dependent areas. One of the concepts submitted by IRWD included Metropolitan borrowing SWP water stored in IRWD's KWB account that must be used in Dudley Ridge. The concept included obtaining approval from the Kern Fan Monitoring Committee to transfer the banked water in the ground from the KWB to the IRWD Water Bank for recovery. An agreement would be needed among the Department of Water Resources (DWR), Metropolitan, Dudley Ridge, and the Kern County Water Agency (KCWA). The water stored in IRWD's KWB account is not governed by IRWD's Coordinated Operating, Water Storage, Exchange, and Delivery Agreement with Metropolitan. A letter agreement would be needed between IRWD and Metropolitan for the use and return of IRWD's SWP water stored in the KWB.

#### Terms for Borrowing of Water:

Staff proposes to structure the terms for Metropolitan borrowing IRWD's KWB supplies as a two-for-one exchange, whereby Dudley Ridge would deliver banked SWP water to Metropolitan and within five years Metropolitan would return twice the amount, net of losses, to Dudley Ridge for IRWD's benefit. Based on this structure, staff has prepared draft terms for a letter agreement that would provide for Metropolitan's use of the 1,803 AF from IRWD's KWB account. These terms are provided as Exhibit "A".

Benefits to IRWD:

IRWD would benefit from allowing Metropolitan to borrow IRWD's SWP supplies in accordance with the draft terms described above. IRWD would receive twice the amount of water as the original amount, net of losses. Approximately half of the water would be returned to the KWB and the other half to the IRWD Water Bank. The returned SWP water would be held by Dudley Ridge on behalf of IRWD, which would provide future exchange and use flexibility to IRWD.

Staff recommends the Board authorize the General Manager to execute a letter agreement based on the proposed terms provided in Exhibit "A", subject to substantive changes approved by the Supply Reliability Programs Committee.

FISCAL IMPACTS:

IRWD will not be responsible for any costs associated with Metropolitan borrowing IRWD's SWP supplies in the KWB or for the return of water to the KWB and the IRWD Water Bank.

ENVIRONMENTAL COMPLIANCE:

Final Environmental Impact Reports for the Strand Ranch and Stockdale Integrated Banking Project were prepared, certified, and approved in compliance with the California Environmental Quality Act (CEQA) of 1970 as amended, codified at California Public Resources Code Sections 21000 et. seq., and the State CEQA Guidelines in the Code of Regulations, Title 14, Division 6, Chapter 3. Rosedale-Rio Bravo Water Storage District, as lead agency, filed Notices of Determination for both the Strand Ranch and Stockdale Integrated Banking Projects with the County of Kern. IRWD, as a responsible agency, filed Notices of Determination with the County of Orange and with the County of Kern.

COMMITTEE STATUS:

This item was reviewed by the Supply Reliability Programs Committee on September 14, 2022.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A LETTER AGREEMENT WITH METROPOLITAN WATER DISTRICT ALLOWING IT TO BORROW WATER FROM IRWD'S ACCOUNT IN THE KERN WATER BANK, BASED ON THE PROPOSED TERMS AND SUBJECT TO SUBSTANTIVE CHANGES APPROVED BY THE SUPPLY RELIABILITY PROGRAMS COMMITTEE.

LIST OF EXHIBITS:

Exhibit "A" – Draft Terms for Letter Agreement Between IRWD and Metropolitan Water District for Borrowing IRWD's Kern Water Bank Supplies.



## Exhibit "A"

### Terms for Letter Agreement Between Irvine Ranch Water District and Metropolitan Water District of Southern California for Borrowing IRWD's Kern Water Bank Supplies September 26, 2022

Metropolitan Water District of Southern California desires to enter into a Letter Agreement with IRWD, which will provide for Metropolitan's use of water from IRWD's Kern Water Bank (KWB) account. At the time of becoming a landowner in Dudley Ridge Water District (DRWD), IRWD acquired water banking capacities and supplies in the Kern Water Bank (KWB). IRWD has 1,803 acre-feet (AF) of State Water Project (SWP) water in its KWB account which ultimately must be used inside DRWD. The following are proposed terms for a Letter Agreement that would allow Metropolitan to borrow this 1,803 AF of water.

1. As a result of the ongoing severe drought, Metropolitan desires to secure additional SWP supplies to deliver to its member agencies that are currently only able to receive SWP water.
2. To assist Metropolitan in its drought relief efforts, IRWD would provide 1,803 AF of SWP supplies from IRWD's KWB account to Metropolitan, subject to approval of the in-ground transfer of the water from the KWB to the IRWD Water Bank by the Kern Fan Monitoring Committee. In return, Metropolitan would return twice the amount of water (net of losses) as described below.
3. DRWD and Metropolitan would work with the Department of Water Resources (DWR) and Kern County Water Agency (KCWA) to prepare a State Water Project Analysis Office (SWPAO) agreement reflecting a 2-for-1 exchange, net of losses, and change in point of delivery.
4. DRWD would request approval from the Kern Fan Monitoring Committee to transfer the 1,803 AF water in the ground from the KWB to the IRWD Water Bank.
5. Metropolitan would pay all costs to transfer the DRWD water in the ground and recover this water using IRWD Water Bank recovery wells for delivery to Metropolitan at Reach 12E in the California Aqueduct.
6. Within five years of receipt of this water, Metropolitan would return 1,983 AF (including 10% loss factor) to DRWD for storage in the KWB in IRWD's account, and Metropolitan would return 2,073 AF (including 15% loss factor) to DRWD for storage in the IRWD Water Bank.
7. Metropolitan would pay all DWR variable costs to take delivery of the 1,803 AF and to return the 4,056 AF to DRWD. Metropolitan would also pay any associated KWB operating costs, IRWD Water Banking operating costs, and costs to convey the water to and from the California Aqueduct. Metropolitan would also pay any costs assessed by the Kern County Water Agency for the delivery and return of water.

8. The borrowing of the water would be second in priority to IRWD and its other exchange partners' recovery requirements and subject to the actual physical limitations of the recovery facilities.
9. Metropolitan would be responsible for scheduling the return water to DRWD with DWR. This scheduling would also be coordinated with IRWD, KWB and KCWA.
10. DRWD and Metropolitan would each be responsible for their own compliance with the California Environmental Quality Act.