

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

February 9, 2026

CALL TO ORDER 5:00 p.m.

PLEDGE OF ALLEGIANCE

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

PUBLIC COMMENT NOTICE

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=mbe94be8bc37e280a1f3d6f6bbc12e7ce>

Meeting Number (Access Code): 2491 018 9667

Meeting Password: fxEtyWUw863

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 comments are limited to three minutes per speaker on each subject. If you wish to address the Board of Directors orally 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 you wish to submit written comments to the Board, please submit your public comment in advance of the meeting by emailing comments@irwd.com before 12:00 p.m. the day of the meeting, and your remarks will be added to the record at the meeting.

COMMUNICATIONS TO THE BOARD

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

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

CONSENT CALENDAR, Items 4 through 11

4. BOARD MEETING MINUTES

Recommendation: That the minutes of the January 12, 2026 Board of Directors meeting be approved as presented.

5. DECEMBER 2025 TREASURY REPORT

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the Summary of Fixed and Variable Rate Debt, and the Disclosure Report of Reimbursements to Board members and staff, approve the December 2025 Summary of Payroll ACH payments in the total amount of \$2,830,430 and approve the December 2025 accounts payable disbursement summary of warrants 452627 through 453086, Workers' Compensation distributions, ACH payments, wire transfers, payroll withholding distributions, and voided checks in the net total amount of \$20,565,918.

6. FISCAL YEAR 2025-26 IRWD GUIDING PRINCIPLES SCORECARD

Recommendation: Receive and file.

7. 2026 LEGISLATIVE AND REGULATORY UPDATE

Recommendation: That the Board adopt a "support" position on the Association of California Water Agencies Wildfire Proposal, a "support" position on the Water Supply Assessment Proposal, and an "oppose unless amended" position on Assemblymember Steve Bennet's Wildfire Proposal.

8. WATER SUPPLY ASSESSMENT VERIFICATION FOR THE ORANGE HEIGHTS PLANNED COMMUNITY PROJECT

Recommendation: That the Board approve the Water Supply Assessment, and contingent upon approval of the Water Supply Assessment, approve the Water Supply Verification for the Orange Heights Planned Community Project.

9. SAN JOAQUIN HILLS ROAD RECYCLED WATER PIPELINE REPLACEMENT CONSULTANT SELECTION

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with MKN in the amount of \$349,552 for engineering design services for the San Joaquin Hills Road Recycled Water Pipeline Replacement, Project 13113.

CONSENT CALENDAR, Items 4 through 11, continued

10. SAND CANYON DAM SEEPAGE IMPROVEMENTS BUDGET ADDITION

Recommendation: That the Board authorizes a budget addition of \$720,000 for engineering design and construction of the Sand Canyon Dam Seepage Improvements, Project 13232.

11. CLAIM SETTLEMENT

Recommendation: That the Board approve a settlement with Lakeshore Landlessee PT, LLC, for a payment of \$125,000 in exchange for a full release in connection with the February 21, 2024, mainline break.

ACTION CALENDAR

12. COASTAL ZONES B & D AND COASTAL ZONE OC-63 TO ZONE 4 PUMP STATIONS BUDGET INCREASE, BUDGET ADDITION AND CONSULTANT SELECTION

Recommendation: That the Board authorize a budget increase to the Fiscal Year 2025-26 Capital Budget for Project 11568 in the amount of \$4,556,000, from \$2,237,000 to \$6,793,000; authorize the addition of Project 13506 to the Fiscal Year 2025-26 Capital Budget in the amount of \$3,613,000; and authorize the General Manager to execute a Professional Services Agreement with Carollo Engineers, Inc. in the amount of \$980,381 for engineering design services for the Coastal Zones B & D and Coastal Zone OC-63 to Zone 4 Pump Stations, Projects 11568 and 13506.

OTHER BUSINESS

Pursuant to Government Code Section 54954.2, members of the Board of Directors or staff may ask questions for clarification, make brief announcements, and make brief reports on his/her own activities. The Board or a Board member may provide a reference to staff or other resources for 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. Pursuant to AB 1234 and Government Code Section 53232.3(d), a written draft report of the meetings that any Board member attended on behalf of IRWD since the last Board Meeting will be available at the table near the Board Room entrance, and will be amended verbally, if necessary, during Directors' Comments.

13. General Manager's Report

14. Receive oral update(s) from District liaison(s) regarding communities within IRWD's service area and interests.

15. Directors' Comments and Meeting Reports

OTHER BUSINESS, continued


16. Closed Session

- A. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Pursuant to Government Code Section 54956.9(d)(2): significant exposure to litigation. (One potential case; the publicly disclosable claims are included in the agenda packet.)

17. Open Session

18. Adjournment

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the above-named Board in connection with a matter subject to discussion or consideration at an open meeting of the Board are available for public inspection in the District's office, 15600 Sand Canyon Avenue, Irvine, California ("District Office"). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available from the District Secretary of the District Office at the same time as they are distributed to Board Members, except that if such writings are distributed one hour prior to, or during, the meeting, they will be available electronically via the Webex meeting noted. Upon request, the District will provide for written agenda materials in appropriate alternative formats, and reasonable disability-related modification or accommodation to enable individuals with disabilities to participate in and provide comments at public meetings. Please submit a request, including your name, phone number and/or email address, and a description of the modification, accommodation, or alternative format requested at least two days before the meeting. Requests should be emailed to comments@irwd.com. Requests made by mail must be received at least two days before the meeting. Requests will be granted whenever possible and resolved in favor of accessibility.

February 9, 2026
Prepared and
submitted by: K. Swan
Approved by: Paul A. Cook 

CONSENT CALENDAR

BOARD MEETING MINUTES

SUMMARY:

Provided are the minutes of the January 12, 2026 Board of Directors meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE JANUARY 12, 2026 BOARD OF DIRECTORS MEETING
BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – January 12, 2026 Minutes

Note: This page is intentionally left blank.

Exhibit “A”

MINUTES OF REGULAR MEETING – JANUARY 12, 2026

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order by President LaMar at 5:00 p.m. on January 12, 2026 at the District offices, 15600 Sand Canyon Avenue, Irvine.

Directors Present: Ferons, Withers, Swan, LaMar, and President Reinhart.

Directors Absent: None.

Also Present: General Manager Cook, Executive Director of Water Policy Weghorst, Executive Director of Operations Chambers, Executive Director of Technical Services Burton, Executive Director of Finance and Administration Adly, Director of Water Quality & Regulatory Compliance Colston, Director of Human Resources Mitcham, Director of Information Technology Kaneshiro, Director of Safety and Security Choi, Director of Water and Recycling Operations Zepeda, Director of Maintenance Operations Manning, Director of Water Resources Nye, Director of Strategic Communications and Advocacy Compton, General Counsel Collins, Secretary Swan, members of the staff, and public.

Oral and Written Communications: None.

Items too late to be agendaized: None.

CONSENT CALENDAR

Director Swan stated that he would be abstaining from voting on item number five.

On MOTION by Swan, seconded by Ferons, **CONSENT CALENDAR ITEM FIVE WAS APPROVED 4 – 0 – 1, WITH SWAN ABSTAINING, AND CONSENT CALENDAR ITEMS FOUR, AND SIX WERE APPROVED 5 – 0, AS FOLLOWS:**

4. BOARD MEETING MINUTES

Recommendation: That the minutes of the December 8, 2025 Adjourned Regular Board meeting and December 15, 2025 Regular Board meeting be approved as presented.

5. MEMORANDUM ON OFFICERS OF THE BOARD, COMMITTEE APPOINTMENTS AND OTHER ASSIGNMENTS

Recommendation: That the Board receive and file the memorandum dated January 1, 2026, titled Officers of the Board, Committee Appointments and Other Assignments and approve attendance for meetings and events for the Board’s representation for calendar year 2026 as delineated.

6. PLANNING AREA 51 HERITAGE FIELDS CAPITAL FACILITIES

Recommendation: That the Board authorize the General Manager to accept Heritage Fields’ construction contract with Leatherwood Construction Inc. in the amount of \$809,690 for the Reach B East “P” Street Capital Sanitary Sewer Improvements, Project 10868; and authorize a budget increase for Project 10868 in the amount of \$700,000,

CONSENT CALENDAR (CONTINUED)

from \$542,000 to \$1,242,000, for the Reach B East “P” Street Capital Sanitary Sewer Improvements.

ACTION CALENDAR

7. HOWILER WATER TREATMENT PLANT SUPPLY PIPELINE VAULT STRUCTURES REPLACEMENT CONSULTANT SELECTION

Executive Director of Technical Services Burton presented an overview of the improvements to rehabilitate or replace various vault structures along the supply pipeline to the Howiler Water Treatment Plant.

Following discussion from the Board, on MOTION by Ferons, seconded by Swan and unanimously carried, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH WSC IN THE AMOUNT OF \$525,029 FOR ENGINEERING DESIGN SERVICES FOR THE HOWILER WATER TREATMENT PLANT SUPPLY PIPELINE VAULT STRUCTURES REPLACEMENT, PROJECT 13190.

8. RELOCATION OF 36-INCH RECYCLED WATER PIPELINE AT I-5 SEGMENT 2 AND CULVER DRIVE BUDGET INCREASE AND CONSTRUCTION AWARD

Executive Director of Technical Services Burton reported that relocation of a 36-inch recycled water pipeline is necessary to accommodate Caltrans’ widening of the Interstate 5 freeway. Additionally, he reported on the need to accept T.E. Roberts, Inc.’s written request to withdraw its bid due to a clerical error.

Following questions from the Board, on MOTION by Reinhart, seconded by Ferons and unanimously carried, THE BOARD ACKNOWLEDGED THE CLERICAL ERROR MADE IN THE PRICE COMPUTATION OF T.E. ROBERTS, INC.’S BID, ACCEPTED T.E. ROBERTS, INC.’S FORMAL WRITTEN REQUEST TO WITHDRAW ITS BID, AND RETURNED THE BID BOND TO T.E. ROBERTS, INC.; AUTHORIZED A BUDGET INCREASE IN THE AMOUNT OF \$300,000, FROM \$1,483,835 TO \$1,783,835, FOR PROJECT 13204 AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH L&S CONSTRUCTION, INC. IN THE AMOUNT OF \$1,336,400 FOR THE RELOCATION OF 36-INCH RECYCLED WATER PIPELINE AT I-5 SEGMENT 2 AND CULVER DRIVE, PROJECT 13204.

OTHER BUSINESS

9. General Manager’s Report

General Manager Cook reported that the FPPC Form 700s will no longer be retained by the County. All filings must be done directly with the FPPC, and are due on April 1, 2026.

10. Receive oral update(s) from District liaison(s) regarding communities within IRWD’s service area and interests.

Mr. Newell stated that he did not have a report for the evening

OTHER BUSINESS (CONTINUED)

11. Directors' Comments and Meeting Reports

Director Withers reported on his participation in the ISDOC Executive Committee meeting and the monthly WACO meeting.

Director Reinhart reported on his attendance at the Colorado River Water Users 2025 Conference; the MWDOC Workshop Board meeting with the MWD Directors; the OCWD Board of Directors meeting; the OCWD Communications & Legislative Liaison Committee meeting; and the monthly WACO meeting.

Director Swan reported on his participation in the WACO Planning Committee meeting; attendance at the Colorado River Water Users 2025 Conference; the Southern California Water Dialogue Steering Committee meeting; the MWDOC Workshop Board meeting with the MWD Directors; the Newport Beach Chamber's WAKE UP Newport meeting; and the monthly WACO meeting.

Vice President Feron reported on his participation in the OCWD Board of Directors meeting and the monthly WACO meeting.

President LaMar reported on his attendance at the Colorado River Water Users 2025 Conference; the monthly WACO meeting; the OCBC Water, Chemistry, & Waste Project meeting; and the monthly meeting with the General Manager.

12. CLOSED SESSION

President LaMar convened the meeting into Closed Session at 5:20 p.m. with General Counsel Collins announcing the following item to be discussed:

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION Pursuant to Government Code Section 54956.9(d)(1): *BKK Working Group, et al. v. 1700 Santa Fe LTD, et al.*, Central District of California Case No. 2:18-cv-05810-MWF-PLA

13. OPEN SESSION

Following the Closed Session, the meeting was reconvened in Open Session with Directors Feron, Withers, Swan, Reinhart, and LaMar present. General Counsel Collins announced that there was no action to report.

14. ADJOURNMENT

At 5:42 p.m., President LaMar adjourned the Board meeting.

APPROVED and SIGNED this 9th day of February 2026.

President, IRVINE RANCH WATER DISTRICT

District Secretary,
IRVINE RANCH WATER DISTRICT

OTHER BUSINESS (CONTINUED)


APPROVED AS TO FORM:

Claire H. Collins, General Counsel
Hanson Bridgett LLP

February 9, 2026

Prepared by: J. Davis / B. Powell

Submitted by: N. Adly

Approved by: Paul A. Cook 

CONSENT CALENDAR

DECEMBER 2025 TREASURY REPORT

SUMMARY:

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

- A. The December 2025 Investment Summary Report. This Investment Summary Report conforms with the 2025 Investment Policy as outlined in Exhibit "A";
- B. The Summary of Fixed and Variable Rate Debt as of December 31, 2025, as outlined in Exhibit "B";
- C. The Monthly Interest Rate Swap Summary as of December 31, 2025, as outlined in Exhibit "C";
- D. The December 31, 2025, Disbursement Summary of warrants 452627 through 453086, Workers' Compensation distributions, ACH payments, wire transfers, payroll withholding distributions, and voided checks in the net total amount of \$20,565,918 as outlined in Exhibit "D";
- E. The Summary of Payroll ACH payments in the total amount of \$2,830,430 as outlined in Exhibit "E"; and
- F. The Disclosure Report of Reimbursements to Board members and staff for December 2025, detailing payments or reimbursements for individual charges of \$100 or more per transaction as outlined in Exhibit "F".

FISCAL IMPACTS:

As of December 31, 2025, the book value of the investment portfolio was \$390,190,005, with a 4.09% rate of return and a market value of \$394,484,416.

As of December 31, 2025, the outstanding principal amount of fixed and variable rate debt was \$545,835,000. The monthly weighted average all-in variable rate was 2.26%. Including IRWD's weighted average fixed rate bond issues of 3.03% 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 2.76%.

Payroll ACH payments totaled \$2,830,430. Wire transfers, other ACH payments, and checks issued for debt service, accounts payable, payroll, water purchases, and voided checks for December were \$20,565,918.

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:

All items in this report were 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 THE DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF, APPROVE THE DECEMBER 2025 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$2,830,430 AND APPROVE THE DECEMBER 2025 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 452627 THROUGH 453086, WORKERS' COMPENSATION DISTRIBUTIONS, ACH PAYMENTS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS, AND VOIDED CHECKS IN THE NET TOTAL AMOUNT OF \$20,565,918.

LIST OF EXHIBITS:

Exhibit "A" – Investment Summary Report

Exhibit "B" – Summary of Fixed and Variable Rate 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



Portfolio Summary Dashboard

12/01/2025 - 12/31/2025

Irvine Ranch Water District (491783)

Dated: 01/28/2026

Portfolio Summary

	Irvine Ranch Water District	Grand Total
Par Value	394,104,912.85	394,104,912.85
Principal Cost	390,190,004.65	390,190,004.65
Book Value	390,190,004.65	390,190,004.65
Market Value	394,484,416.12	394,484,416.12
Unrealized Gain/Loss	4,294,411.47	4,294,411.47
Accrued Interest	3,152,031.43	3,152,031.43

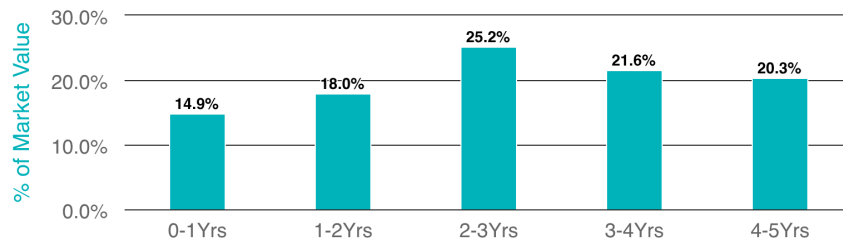
Footnotes: 1,2,3

Portfolio Characteristics

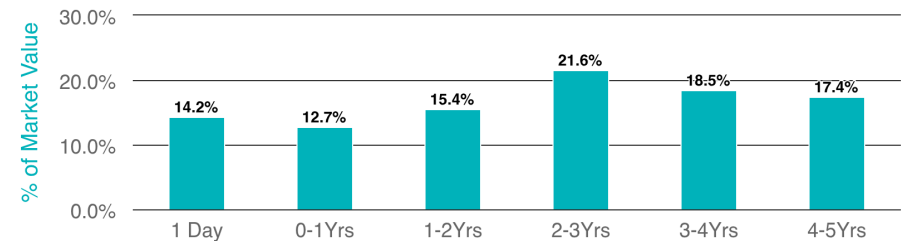
	Irvine Ranch Water District	Grand Total
Weighted Average Maturity	2.276	2.276
Portfolio Effective Duration	2.052	2.052
Weighted Average Life	2.215	2.215
Average Credit Rating	AA+	AA+
Yield at Cost	4.09	4.09

Footnotes: 1,2,3

Maturity Distribution (Excl. Cash & Equiv.)



Maturity Distribution (All)





Portfolio Summary Dashboard

12/01/2025 - 12/31/2025

Irvine Ranch Water District (491783)

Dated: 01/28/2026

Asset Allocation

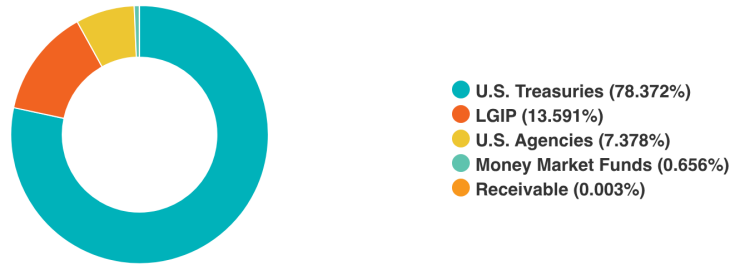


Chart calculated by: % of Market Value

Credit Quality



Chart calculated by: % of Market Value

Issuer Concentration

Issuer	Ending Current Units	Ending Book Value	% of Ending Book Value
United States	308,900,000.00	304,973,136.80	78.158%
California LAIF	53,615,777.11	53,615,777.11	13.741%
Federal Home Loan Mortgage Corporation	11,000,000.00	11,010,830.00	2.822%
Federal Farm Credit Banks Funding Corporation	10,000,000.00	10,045,700.00	2.574%
Tennessee Valley Authority	8,000,000.00	7,955,425.00	2.039%
Wells Fargo Govt Inst MMF	1,462,581.65	1,462,581.65	0.375%
Dreyfus Government Cash Management Fund	1,126,554.09	1,126,554.09	0.289%
UNITED STATES OF AMERICA	11,280.65	11,280.65	0.003%

Total	394,116,193.50	390,201,285.30	100.000%
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Total includes receivable of \$11,280.65 not reflected in the portfolio summary.



Position Statement

CUSIP	DESCRIPTION	TRADE DATE SETTLE DATE	PAR VALUE	PRINCIPAL COST PURCHASED INTEREST	TOTAL COST	YIELD TO MATURITY	MATURITY DATE	DAYS TO MATURITY	MARKET PRICE MARKET VALUE	UNREALIZED GAIN/LOSS BOOK VALUE	% OF MV	MOODY'S S&P RATING
IRVINE RANCH WATER DISTRICT												
LGIP												
CALAIF	California LAIF	12/31/2025 12/31/2025	53,615,777.11	53,615,777.11 0.00	53,615,777.11	4.03		1	1.00 53,615,777.11	0.00 53,615,777.11	13.59	NA
LGIP TOTAL			53,615,777.11	53,615,777.11 0.00	53,615,777.11	4.03		1	1.00 53,615,777.11	0.00 53,615,777.11	13.59	NA
MONEY MARKET FUNDS												
262006307	DREYFUS GVT CM;INV	12/31/2025 12/31/2025	1,126,554.09	1,126,554.09 0.00	1,126,554.09	3.40		1	1.00 1,126,554.09	0.00 1,126,554.09	0.29	Aaa AAA
4277510061	Wells Fargo Govt Inst MMF	12/31/2025 12/31/2025	1,462,581.65	1,462,581.65 0.00	1,462,581.65	3.66		1	1.00 1,462,581.65	0.00 1,462,581.65	0.37	NA NA
MONEY MARKET FUNDS TOTAL			2,589,135.74	2,589,135.74 0.00	2,589,135.74	3.55		1	1.00 2,589,135.74	0.00 2,589,135.74	0.66	AAA
U.S. TREASURIES												
91282CKH3	US TREASURY 4.500 03/31/26	04/30/2024 04/30/2024	5,000,000.00	4,953,125.00 0.00	4,953,125.00	5.02	03/31/2026	90	100.21 5,010,546.90	57,421.90 4,953,125.00	1.27	Aa1 AA+
91282CHH7	US TREASURY 4.125 06/15/26	07/06/2023 07/06/2023	10,000,000.00	9,879,687.50 0.00	9,879,687.50	4.57	06/15/2026	166	100.27 10,027,343.80	147,656.30 9,879,687.50	2.54	Aa1 AA+
91282CHM6	US TREASURY 4.500 07/15/26	06/03/2024 06/03/2024	5,000,000.00	4,965,625.00 0.00	4,965,625.00	4.84	07/15/2026	196	100.51 5,025,585.95	59,960.95 4,965,625.00	1.27	Aa1 AA+
91282CHY0	US TREASURY 4.625 09/15/26	09/27/2023 09/27/2023	10,000,000.00	9,939,453.13 0.00	9,939,453.13	4.85	09/15/2026	258	100.73 10,073,046.90	133,593.77 9,939,453.13	2.55	Aa1 AA+
91282CJC6	US TREASURY 4.625 10/15/26	11/03/2023 11/03/2023	10,000,000.00	9,956,640.63 0.00	9,956,640.63	4.78	10/15/2026	288	100.79 10,079,296.90	122,656.27 9,956,640.63	2.56	Aa1 AA+
91282CJP7	US TREASURY 4.375 12/15/26	12/28/2023 12/28/2023	10,000,000.00	10,098,046.88 0.00	10,098,046.88	4.02	12/15/2026	349	100.78 10,077,734.40	(20,312.48) 10,098,046.88	2.55	Aa1 AA+
91282CJT9	US TREASURY 4.000 01/15/27	01/31/2024 01/31/2024	10,000,000.00	9,952,734.38 0.00	9,952,734.38	4.17	01/15/2027	380	100.48 10,048,046.90	95,312.52 9,952,734.38	2.55	Aa1 AA+
91282CEC1	US TREASURY 1.875 02/28/27	12/19/2024 12/19/2024	7,000,000.00	6,647,265.63 0.00	6,647,265.63	4.31	02/28/2027	424	98.14 6,870,117.17	222,851.55 6,647,265.63	1.74	Aa1 AA+
91282CKE0	US TREASURY 4.250 03/15/27	11/18/2024 11/18/2024	5,000,000.00	4,995,507.81 0.00	4,995,507.81	4.29	03/15/2027	439	100.84 5,041,992.20	46,484.39 4,995,507.81	1.28	Aa1 AA+
91282CKR1	US TREASURY 4.500 05/15/27	12/05/2025 12/08/2025	5,650,000.00	5,719,962.89 16,154.01	5,736,116.90	3.61	05/15/2027	500	101.32 5,724,597.68	4,634.79 5,719,962.89	1.45	Aa1 AA+
91282CKV2	US TREASURY 4.625 06/15/27	02/05/2025 02/05/2025	5,000,000.00	5,044,921.88 0.00	5,044,921.88	4.22	06/15/2027	531	101.60 5,080,078.15	35,156.27 5,044,921.88	1.29	Aa1 AA+
91282CKZ3	US TREASURY 4.375 07/15/27	11/08/2024 11/08/2024	5,000,000.00	5,027,343.75 0.00	5,027,343.75	4.16	07/15/2027	561	101.33 5,066,406.25	39,062.50 5,027,343.75	1.28	Aa1 AA+
91282CFH9	US TREASURY 3.125 08/31/27	01/09/2025 01/09/2025	5,000,000.00	4,854,687.50 0.00	4,854,687.50	4.30	08/31/2027	608	99.42 4,971,093.75	116,406.25 4,854,687.50	1.26	Aa1 AA+
91282CFM8	US TREASURY 4.125 09/30/27	03/11/2024 03/11/2024	10,000,000.00	9,976,953.13 0.00	9,976,953.13	4.19	09/30/2027	638	101.07 10,107,421.90	130,468.77 9,976,953.13	2.56	Aa1 AA+



Position Statement

CUSIP	DESCRIPTION	TRADE DATE SETTLE DATE	PAR VALUE	PRINCIPAL COST PURCHASED INTEREST	TOTAL COST	YIELD TO MATURITY	MATURITY DATE	DAYS TO MATURITY	MARKET PRICE MARKET VALUE	UNREALIZED GAIN/LOSS BOOK VALUE	% OF MV	MOODY'S S&P RATING
91282CLQ2	US TREASURY 3.875 10/15/27	01/07/2025 01/07/2025	5,000,000.00	4,943,359.38 0.00	4,943,359.38	4.31	10/15/2027	653	100.68 5,033,789.05	90,429.67 4,943,359.38	1.28	Aa1 AA+
91282CGH8	US TREASURY 3.500 01/31/28	05/24/2024 05/24/2024	10,000,000.00	9,623,437.50 0.00	9,623,437.50	4.62	01/31/2028	761	100.02 10,001,562.50	378,125.00 9,623,437.50	2.54	Aa1 AA+
9128283W8	US TREASURY 2.750 02/15/28	12/19/2024 12/19/2024	10,000,000.00	9,567,187.50 0.00	9,567,187.50	4.23	02/15/2028	776	98.49 9,849,218.80	282,031.30 9,567,187.50	2.50	Aa1 AA+
91282CBZ3	US TREASURY 1.250 04/30/28	07/18/2024 07/18/2024	5,000,000.00	4,496,484.38 0.00	4,496,484.38	4.15	04/30/2028	851	95.00 4,750,000.00	253,515.62 4,496,484.38	1.20	Aa1 AA+
91282CCE9	US TREASURY 1.250 05/31/28	01/07/2025 01/07/2025	5,000,000.00	4,513,671.88 0.00	4,513,671.88	4.37	05/31/2028	882	94.81 4,740,625.00	226,953.12 4,513,671.88	1.20	Aa1 AA+
91282CCH2	US TREASURY 1.250 06/30/28	04/16/2025 04/17/2025	5,000,000.00	4,618,554.69 0.00	4,618,554.69	3.80	06/30/2028	912	94.64 4,732,031.25	113,476.56 4,618,554.69	1.20	Aa1 AA+
91282CHQ7	US TREASURY 4.125 07/31/28	06/27/2024 06/27/2024	10,000,000.00	9,900,000.00 0.00	9,900,000.00	4.39	07/31/2028	943	101.49 10,149,218.80	249,218.80 9,900,000.00	2.57	Aa1 AA+
9128284V9	US TREASURY 2.875 08/15/28	08/16/2024 08/16/2024	5,000,000.00	4,820,312.50 0.00	4,820,312.50	3.85	08/15/2028	958	98.40 4,919,921.90	99,609.40 4,820,312.50	1.25	Aa1 AA+
91282CCY5	US TREASURY 1.250 09/30/28	08/09/2024 08/09/2024	5,000,000.00	4,504,296.88 0.00	4,504,296.88	3.86	09/30/2028	1,004	94.07 4,703,515.65	199,218.78 4,504,296.88	1.19	Aa1 AA+
91282CJF9	US TREASURY 4.875 10/31/28	11/28/2023 11/28/2023	10,000,000.00	10,179,687.50 0.00	10,179,687.50	4.46	10/31/2028	1,035	103.55 10,354,687.50	175,000.00 10,179,687.50	2.62	Aa1 AA+
91282CJN2	US TREASURY 4.375 11/30/28	12/15/2023 12/15/2023	5,000,000.00	5,106,640.63 0.00	5,106,640.63	3.90	11/30/2028	1,065	102.27 5,113,281.25	6,640.62 5,106,640.63	1.30	Aa1 AA+
91282CJR3	US TREASURY 3.750 12/31/28	12/13/2024 12/13/2024	5,000,000.00	4,924,218.75 0.00	4,924,218.75	4.16	12/31/2028	1,096	100.57 5,028,515.65	104,296.90 4,924,218.75	1.27	Aa1 AA+
91282CJW2	US TREASURY 4.000 01/31/29	04/16/2025 04/17/2025	5,000,000.00	5,025,585.94 0.00	5,025,585.94	3.85	01/31/2029	1,127	101.28 5,064,062.50	38,476.56 5,025,585.94	1.28	Aa1 AA+
9128286B1	US TREASURY 2.625 02/15/29	04/16/2025 04/17/2025	5,000,000.00	4,783,398.44 0.00	4,783,398.44	3.85	02/15/2029	1,142	97.23 4,861,328.15	77,929.71 4,783,398.44	1.23	Aa1 AA+
91282CEM9	US TREASURY 2.875 04/30/29	10/14/2025 10/15/2025	5,000,000.00	4,891,406.25 0.00	4,891,406.25	3.53	04/30/2029	1,216	97.79 4,889,453.15	(1,953.10) 4,891,406.25	1.24	Aa1 AA+
91282CKT7	US TREASURY 4.500 05/31/29	06/09/2025 06/09/2025	5,000,000.00	5,082,617.19 0.00	5,082,617.19	4.05	05/31/2029	1,247	102.88 5,144,140.65	61,523.46 5,082,617.19	1.30	Aa1 AA+
91282CEV9	US TREASURY 3.250 06/30/29	06/26/2025 06/30/2025	5,500,000.00	5,397,734.38 0.00	5,397,734.38	3.76	06/30/2029	1,277	98.87 5,437,695.34	39,960.96 5,397,734.38	1.38	Aa1 AA+
91282CLC3	US TREASURY 4.000 07/31/29	06/26/2025 06/27/2025	5,000,000.00	5,046,484.38 0.00	5,046,484.38	3.75	07/31/2029	1,308	101.30 5,065,234.40	18,750.02 5,046,484.38	1.28	Aa1 AA+
912828YB0	US TREASURY 1.625 08/15/29	12/05/2025 12/08/2025	5,000,000.00	4,661,523.44 25,390.63	4,686,914.07	3.60	08/15/2029	1,323	93.36 4,667,968.75	6,445.31 4,661,523.44	1.18	Aa1 AA+
91282CLK5	US TREASURY 3.625 08/31/29	06/05/2025 06/06/2025	5,000,000.00	4,933,984.38 0.00	4,933,984.38	3.97	08/31/2029	1,339	100.00 5,000,000.00	66,015.62 4,933,984.38	1.27	Aa1 AA+
91282CFL0	US TREASURY 3.875 09/30/29	06/05/2025 06/06/2025	5,000,000.00	4,981,835.94 0.00	4,981,835.94	3.97	09/30/2029	1,369	100.85 5,042,578.15	60,742.21 4,981,835.94	1.28	Aa1 AA+
91282CFT3	US TREASURY 4.000 10/31/29	06/13/2025 06/16/2025	5,000,000.00	4,997,656.25 0.00	4,997,656.25	4.01	10/31/2029	1,400	101.32 5,066,015.65	68,359.40 4,997,656.25	1.28	Aa1 AA+
91282CMA6	US TREASURY 4.125 11/30/29	06/05/2025 06/06/2025	5,000,000.00	5,031,250.00 0.00	5,031,250.00	3.97	11/30/2029	1,430	101.73 5,086,718.75	55,468.75 5,031,250.00	1.29	Aa1 AA+



Position Statement

CUSIP	DESCRIPTION	TRADE DATE SETTLE DATE	PAR VALUE	PRINCIPAL COST PURCHASED INTEREST	TOTAL COST	YIELD TO MATURITY	MATURITY DATE	DAYS TO MATURITY	MARKET PRICE MARKET VALUE	UNREALIZED GAIN/LOSS BOOK VALUE	% OF MV	MOODY'S S&P RATING
91282CGB1	US TREASURY 3.875 12/31/29	06/26/2025 06/27/2025	7,500,000.00	7,529,003.91 0.00	7,529,003.91	3.78	12/31/2029	1,461	100.85 7,563,867.23	34,863.32 7,529,003.91	1.92	Aa1 AA+
91282CMG3	US TREASURY 4.250 01/31/30	06/13/2025 06/16/2025	5,000,000.00	5,047,460.94 0.00	5,047,460.94	4.02	01/31/2030	1,492	102.23 5,111,718.75	64,257.81 5,047,460.94	1.30	Aa1 AA+
91282CGQ8	US TREASURY 4.000 02/28/30	06/05/2025 06/06/2025	5,000,000.00	5,004,687.50 0.00	5,004,687.50	3.98	02/28/2030	1,520	101.28 5,064,062.50	59,375.00 5,004,687.50	1.28	Aa1 AA+
91282CGS4	US TREASURY 3.625 03/31/30	12/05/2025 12/08/2025	5,000,000.00	4,988,476.56 34,357.83	5,022,834.39	3.68	03/31/2030	1,551	99.82 4,991,015.65	2,539.09 4,988,476.56	1.27	Aa1 AA+
91282CMU2	US TREASURY 4.000 03/31/30	06/05/2025 06/06/2025	5,000,000.00	5,002,148.44 0.00	5,002,148.44	3.99	03/31/2030	1,551	101.29 5,064,453.15	62,304.71 5,002,148.44	1.28	Aa1 AA+
91282CMZ1	US TREASURY 3.875 04/30/30	06/05/2025 06/06/2025	5,000,000.00	4,973,828.12 0.00	4,973,828.12	3.99	04/30/2030	1,581	100.80 5,039,843.75	66,015.63 4,973,828.12	1.28	Aa1 AA+
91282CNG2	US TREASURY 4.000 05/31/30	06/05/2025 06/06/2025	5,000,000.00	5,002,539.06 0.00	5,002,539.06	3.99	05/31/2030	1,612	101.28 5,064,062.50	61,523.44 5,002,539.06	1.28	Aa1 AA+
91282CNK3	US TREASURY 3.875 06/30/30	06/26/2025 06/30/2025	7,500,000.00	7,519,628.91 0.00	7,519,628.91	3.82	06/30/2030	1,642	100.77 7,557,421.88	37,792.97 7,519,628.91	1.92	Aa1 AA+
91282CHR5	US TREASURY 4.000 07/31/30	09/23/2025 09/24/2025	5,000,000.00	5,069,726.56 29,891.30	5,099,617.86	3.68	07/31/2030	1,673	101.28 5,064,062.50	(5,664.06) 5,069,726.56	1.28	Aa1 AA+
91282CHW4	US TREASURY 4.125 08/31/30	12/05/2025 12/08/2025	5,000,000.00	5,088,476.56 56,405.39	5,144,881.95	3.71	08/31/2030	1,704	101.77 5,088,281.25	(195.31) 5,088,476.56	1.29	Aa1 AA+
91282CPA3	US TREASURY 3.625 09/30/30	09/25/2025 09/30/2025	5,000,000.00	4,967,773.44 0.00	4,967,773.44	3.77	09/30/2030	1,734	99.63 4,981,640.65	13,867.21 4,967,773.44	1.26	Aa1 AA+
91282CPD7	US TREASURY 3.625 10/31/30	10/28/2025 10/31/2025	5,750,000.00	5,754,267.58 0.00	5,754,267.58	3.61	10/31/2030	1,765	99.60 5,727,089.87	(27,177.71) 5,754,267.58	1.45	Aa1 AA+
91282CPN5	US TREASURY 3.500 11/30/30	11/26/2025 12/01/2025	5,000,000.00	4,981,835.94 480.77	4,982,316.71	3.58	11/30/2030	1,795	99.02 4,951,171.90	(30,664.04) 4,981,835.94	1.26	Aa1 AA+
U.S. TREASURIES TOTAL			308,900,000.00	304,973,136.80 162,679.93	305,135,816.73	4.12		962	100.13 309,173,563.27	4,200,426.47 304,973,136.80	78.37	AA+
U.S. AGENCIES												
880591EU2	TVA 2.875 02/01/27	11/06/2025 11/07/2025	3,000,000.00	2,971,350.00 23,000.00	2,994,350.00	3.67	02/01/2027	397	99.20 2,975,910.00	4,560.00 2,971,350.00	0.75	Aa1 AA+
3134HA6A6	FREDDIE MAC 4.550 02/11/28 '26 MTN	11/04/2025 11/05/2025	6,000,000.00	6,007,230.00 63,700.00	6,070,930.00	4.05	02/11/2028	772	100.07 6,004,080.00	(3,150.00) 6,007,230.00	1.52	Aa1 AA+
3134HBZA2	FREDDIE MAC 4.500 07/14/28 '26 MTN	11/06/2025 11/07/2025	5,000,000.00	5,003,600.00 70,000.00	5,073,600.00	4.05	07/14/2028	926	100.02 5,000,800.00	(2,800.00) 5,003,600.00	1.27	Aa1 AA+
3133ER6D8	FED FARM CR BNKS 4.000 03/07/29	04/16/2025 04/17/2025	10,000,000.00	10,045,700.00 0.00	10,045,700.00	3.87	03/07/2029	1,162	101.06 10,105,700.00	60,000.00 10,045,700.00	2.56	Aa1 AA+
880591FE7	TVA 3.875 08/01/30	08/08/2025 08/11/2025	5,000,000.00	4,984,075.00 1,614.58	4,985,689.58	3.95	08/01/2030	1,674	100.39 5,019,450.00	35,375.00 4,984,075.00	1.27	Aa1 AA+
U.S. AGENCIES TOTAL			29,000,000.00	29,011,955.00 158,314.58	29,170,269.58	3.93		1,051	100.37 29,105,940.00	93,985.00 29,011,955.00	7.38	AA+
IRVINE RANCH WATER DISTRICT TOTAL			394,104,912.85	390,190,004.65 320,994.51	390,510,999.16	4.09		831	394,484,416.12	4,294,411.47 390,190,004.65	100.00	AA+

Position Statement

CUSIP	DESCRIPTION	TRADE DATE SETTLE DATE	PAR VALUE	PRINCIPAL COST PURCHASED INTEREST	TOTAL COST	YIELD TO MATURITY	MATURITY DATE	DAYS TO MATURITY	MARKET PRICE MARKET VALUE	UNREALIZED GAIN/LOSS BOOK VALUE	% OF MV	MOODY'S S&P RATING
GRAND TOTAL			394,104,912.85	390,190,004.65 320,994.51	390,510,999.16	4.09		831	394,484,416.12	4,294,411.47 390,190,004.65	100.00	AA+

Transaction Statement

IRVINE RANCH WATER DISTRICT									
	TRADE DATE	SETTLE DATE	CUSIP	DESCRIPTION	PAR VALUE	PRINCIPAL COST	PURCHASED INTEREST	TOTAL	PURCHASE YIELD
BUY									
	11/26/2025	12/01/2025	91282CPN5	US TREASURY 3.500 11/30/30	5,000,000.00	4,981,835.94	480.77	(4,982,316.71)	3.58
	12/05/2025	12/08/2025	912828YB0	US TREASURY 1.625 08/15/29	5,000,000.00	4,661,523.44	25,390.63	(4,686,914.07)	3.60
	12/05/2025	12/08/2025	91282CGS4	US TREASURY 3.625 03/31/30	5,000,000.00	4,988,476.56	34,357.83	(5,022,834.39)	3.68
	12/05/2025	12/08/2025	91282CHW4	US TREASURY 4.125 08/31/30	5,000,000.00	5,088,476.56	56,405.39	(5,144,881.95)	3.71
	12/05/2025	12/08/2025	91282CKR1	US TREASURY 4.500 05/15/27	5,650,000.00	5,719,962.89	16,154.01	(5,736,116.90)	3.61
BUY TOTAL					25,650,000.00	25,440,275.39	132,788.63	(25,573,064.02)	3.64



Future Maturities

Irvine Ranch Water District (491783)

Base Currency: USD As of 12/31/2025

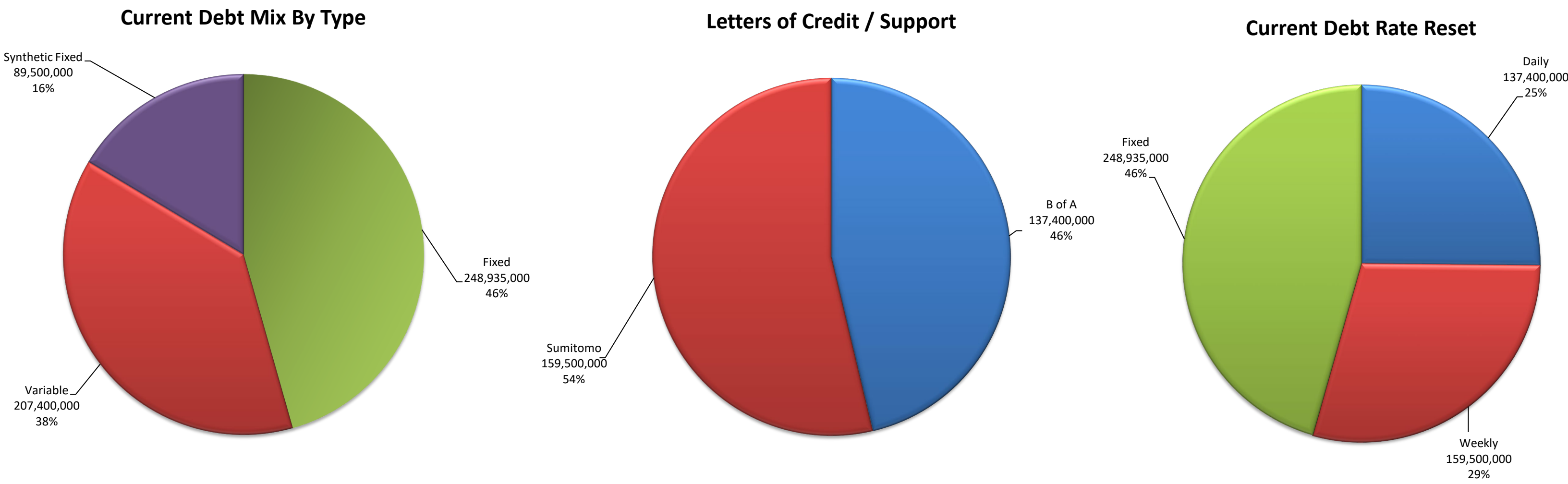
Dated: 01/28/2026

<i>Maturity Bands</i>	<i>Identifier</i>	<i>Security Description</i>	<i>Final Maturity</i>	<i>Asset Type</i>	<i>Base Current Units</i>	<i>Base Original Cost</i>	<i>Base Market Value + Accrued</i>
1 Month	---	---	12/31/2025	---	56,204,912.85	56,204,912.85	56,204,912.85
3 Months	91282CKH3	US TREASURY 4.500 03/31/26	03/31/2026	U.S. Treasuries	5,000,000.00	4,953,125.00	5,068,033.16
6 Months	91282CHH7	US TREASURY 4.125 06/15/26	06/15/2026	U.S. Treasuries	10,000,000.00	9,879,687.50	10,046,608.91
9 Months	---	---	08/25/2026	U.S. Treasuries	15,000,000.00	14,905,078.13	15,340,556.49
12 Months	---	---	11/14/2026	U.S. Treasuries	20,000,000.00	20,054,687.51	20,276,571.14
<12 Months	---	---	12/31/2028	---	287,900,000.00	284,192,513.66	290,699,765.00
---	---	---	04/11/2028	---	394,104,912.85	390,190,004.65	397,636,447.55

* Grouped by: Maturity Bands. * Groups Sorted by: Maturity Bands. * Filtered By: Identifier ≠ "CCYUSD". * Weighted by: Base Market Value + Accrued. * Holdings Displayed by: Position.

Exhibit "B"

Irvine Ranch Water District
Summary of Fixed and Variable Rate Debt
December 2025



Outstanding Par by Series									
Series	Issue Date	Maturity Date	Remaining Principal	Percent	Letter of Credit/Support	Rmkt Agent	Mode	Reset	
Series 2008-A Refunding	04/24/08	07/01/35	\$34,500,000	6.32%	Sumitomo	BAML	Variable	Weekly	
Series 2025-A Refunding	07/15/25	05/01/40	\$125,000,000	22.90%	Sumitomo	BAML	Variable	Weekly	
Series 2011-A-1 Refunding	04/15/11	10/01/37	\$34,440,000	6.31%	B of A	Goldman	Variable	Daily	
Series 2011-A-2 Refunding	04/15/11	10/01/37	\$22,960,000	4.21%	B of A	Goldman	Variable	Daily	
Series 2009 - A	06/04/09	10/01/41	\$40,000,000	7.33%	B of A	US Bank	Variable	Daily	
Series 2009 - B	06/04/09	10/01/41	\$40,000,000	7.33%	B of A	Goldman	Variable	Daily	
2016 COPS	09/01/16	03/01/46	\$96,935,000	17.76%	N/A	N/A	Fixed	Fixed	
Series 2025-B Refunding	07/25/25	05/01/35	\$57,890,000	10.61%	N/A	N/A	Fixed	Fixed	
Series 2016	10/12/16	02/01/46	\$94,110,000	17.24%	N/A	N/A	Fixed	Fixed	
Total			\$545,835,000	100.00%					

IRVINE RANCH WATER DISTRICT
SUMMARY OF FIXED & VARIABLE RATE

December-25

Daily	December-25																						
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	Prior Letter of Credit Bank	MOODY'S	S&P	FITCH	LOC Stated Amount	LOC Fee	Annual LOC Cost	Rmkt Agent	Reset	Rmkt Fees	Annual Cost	Trustee		
SERIES 2008-A Refunding	04/24/08	07/01/35	Jul 1	5th Bus. Day	\$60,215,000	\$34,500,000	SUMITOMO	04/01/11	03/13/28	SUMITOMO	A1/P-1	A/A-1	A/F1	\$35,010,411	0.3400%	\$119,035	BAML	WED	0.07%	\$24,150	BANK OF NY		
SERIES 2025-A Refunding	07/15/25	05/01/40	May 1, 2035	1st Bus. Day	\$125,000,000	\$125,000,000	SUMITOMO	07/01/25	07/25/29	SUMITOMO	NA	A/A	A/F1	\$127,054,795	0.3150%	\$400,223	BAML	WED	0.07%	\$87,500	US BANK		
SERIES 2011-A-1 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$60,545,000	\$34,440,000	B of A	02/01/24	02/08/27	B of A	Aa1/VMIG1	A+/A-1	AAA/F1+	\$34,824,973	0.3200%	\$111,440	Goldman	DAILY	0.07%	\$24,108	BANK OF NY		
SERIES 2011-A-2 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$40,370,000	\$22,960,000	B of A	02/01/24	02/08/27	B of A	Aa1/VMIG1	A+/A-1	AAA/F1+	\$23,216,649	0.3200%	\$74,293	Goldman	DAILY	0.07%	\$16,072	BANK OF NY		
SERIES 2009 - A	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$40,000,000	B of A	04/01/25	05/01/28	US BANK	Aa1/VMIG1	A+/A-1	AAA/F1+	\$40,447,123	0.3400%	\$137,520	US Bank	DAILY	0.07%	\$28,000	US BANK		
SERIES 2009 - B	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$40,000,000	B of A	04/01/11	05/01/28	B of A	Aa1/VMIG1	A+/A-1	AAA/F1+	\$40,447,123	0.3400%	\$137,520	Goldman	DAILY	0.07%	\$28,000	US BANK		
\$436,130,000						\$296,900,000	SUB-TOTAL VARIABLE RATE DEBT								\$301,001,074	0.3256%	\$980,032	0.07%\$207,830					
							(Wt. Avg)										(Wt. Avg)						
FIXED RATE ISSUES																							
2016 COPS	09/01/16	03/01/46	Mar 1	Mar/Sept	\$116,745,000	\$96,935,000	N/A	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	\$94,110,000	N/A	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		
SERIES 2025B Refunding	07/15/25	05/01/35	May 1, 2026	May/Nov	\$57,890,000	\$57,890,000	N/A	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		
\$278,035,000						\$248,935,000	SUB-TOTAL FIXED RATE DEBT																
\$714,165,000						\$545,835,000	TOTAL- FIXED & VARIABLE RATE DEBT																

Remarketing Agents			GO VS COP's		
Goldman	97,400,000	33%	GO:	448,900,000	82%
BAML	159,500,000	54%	COPS:	96,935,000	18%
US Bank	40,000,000	13%	Total	545,835,000	
296,900,000					

LOC Banks			Breakdown Between Variable & Fixed Rate Mode		
SUMITOMO	159,500,000	54%	Daily Issues	137,400,000	25%
	137,400,000	46%	Weekly Issues	159,500,000	29%
			Sub-Total	296,900,000	
			Fixed Rate Issues	248,935,000	46%
			Sub-Total - Fixed	248,935,000	
			TOTAL DEBT		
			FIXED & VAR.	545,835,000	100%

SUMMARY OF DEBT RATES
Dec-25

Cusips	4636324K2	4636324Q9	4636324R7		4636324D8	4636325R6		4636324H9
Rmkt Agent	GOLDMAN	GOLDMAN	GOLDMAN		MERRILL LYNCH	MERRILL LYNCH		US BANK
Mode	DAILY	DAILY	DAILY		WEEKLY	WEEKLY		DAILY
Bond Issue	2009 - B	2011 A-1	2011 A-2		2008-A	2025 - A		2009-A
Par Amount	40,000,000	34,440,000	22,960,000		34,500,000	125,000,000		40,000,000
LOC Bank	BOFA	BOFA	BOFA		Sumitomo	Sumitomo		BOFA
Reset					Wednesday	Wednesday		
12/1/2025	1.40%	1.40%	1.40%		1.81%	1.81%		1.75%
12/2/2025	0.95%	0.95%	0.95%		1.81%	1.81%		1.20%
12/3/2025	1.05%	1.05%	1.05%		1.81%	1.81%		1.00%
12/4/2025	1.55%	1.55%	1.55%		0.95%	0.95%		1.10%
12/5/2025	1.90%	1.90%	1.90%		0.95%	0.95%		1.75%
12/6/2025	1.90%	1.90%	1.90%		0.95%	0.95%		1.75%
12/7/2025	1.90%	1.90%	1.90%		0.95%	0.95%		1.75%
12/8/2025	2.30%	2.30%	2.30%		0.95%	0.95%		2.10%
12/9/2025	2.50%	2.50%	2.50%		0.95%	0.95%		2.20%
12/10/2025	2.15%	2.15%	2.15%		0.95%	0.95%		2.20%
12/11/2025	2.20%	2.20%	2.20%		2.15%	2.15%		2.25%
12/12/2025	2.20%	2.20%	2.20%		2.15%	2.15%		2.25%
12/13/2025	2.20%	2.20%	2.20%		2.15%	2.15%		2.25%
12/14/2025	2.20%	2.20%	2.20%		2.15%	2.15%		2.25%
12/15/2025	2.05%	2.05%	2.05%		2.15%	2.15%		2.15%
12/16/2025	2.30%	2.30%	2.30%		2.15%	2.15%		2.30%
12/17/2025	2.80%	2.80%	2.80%		2.15%	2.15%		2.60%
12/18/2025	3.15%	3.15%	3.15%		2.30%	2.30%		3.00%
12/19/2025	3.10%	3.10%	3.10%		2.30%	2.30%		3.05%
Avg Interest Rates	2.09%	2.09%	2.09%		1.67%	1.67%		2.05%
Rmkt Fee	0.07%	0.07%	0.07%		0.07%	0.07%		0.07%
LOC Fee	0.34%	0.32%	0.32%		0.34%	0.32%		0.34%
All-In Rate	2.50%	2.48%	2.48%		2.08%	2.06%		2.46%
Par Amount	97,400,000				159,500,000			40,000,000

Interest Rate Mode	Percent of Total Variable Rate Debt	Par Outstanding	Weighted All-In Average Rate	Base Rate Average
Daily	46.28%	137,400,000	2.48%	2.08%
Weekly	53.72%	159,500,000	2.06%	1.67%
	100.00%	\$296,900,000	2.26%	1.86%
Fixed				
COPS 2016	38.94%	96,935,000	2.90%	
SERIES 2025 B	23.26%	57,890,000	2.77%	
SERIES 2016	37.81%	94,110,000	3.32%	
	100.00%	\$248,935,000	3.03%	
All-In Debt Rate Including \$60 Million Notional Amount of Swaps				2.76%

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Exhibit "C"

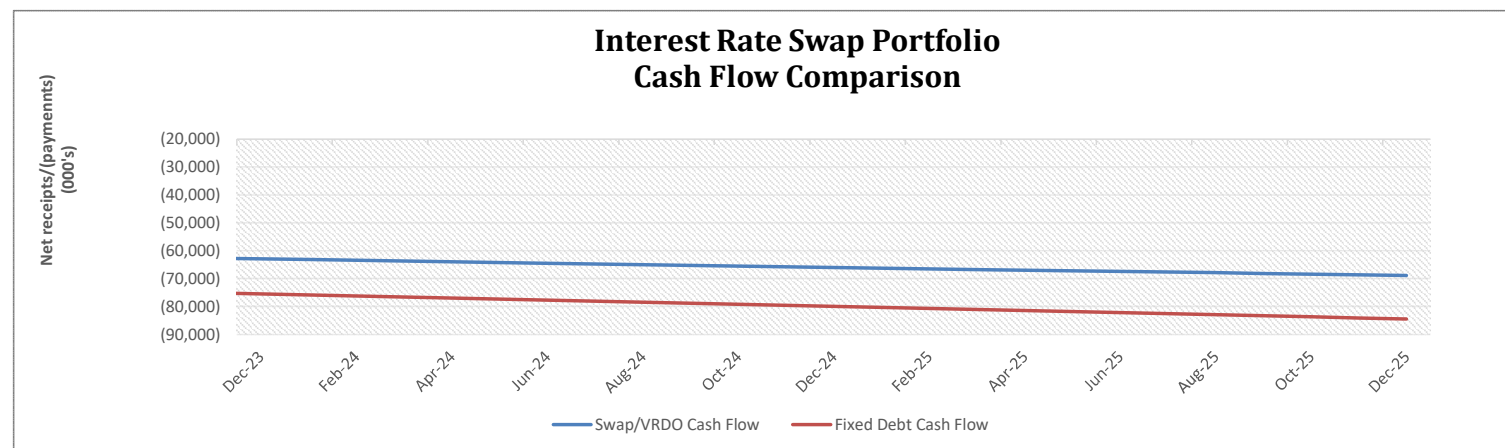
Irvine Ranch Water District Interest Rate Swap Summary December 2025

	Prior Mo.	Current Mo.	12-Mo Avg
SFR1M (Lbr Rpl) Avg %	4.07%	3.86%	4.21%

Current Fiscal Year Active Swaps								Cash Flow				(Since 3/07)	Mark to Market	
Effective Date	Maturity Date	Years to Maturity	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Prior Month	Current Month	Fiscal YTD	Cumulative Net Accrual		Current Mark to Market	Notional Difference
Fixed Payer Swaps - By Effective Date														
3/10/2007	3/10/2029	3.2	ML	30,000,000	FXP	LIBOR	5.687%	(34,629)	(49,705)	(199,717)	(22,438,173)		27,986,492	(2,013,508)
3/10/2007	3/10/2029	3.2	CG	30,000,000	FXP	LIBOR	5.687%	(34,629)	(49,705)	(199,717)	(22,437,966)		27,985,077	(2,014,923)
Totals/Weighted Avgs				\$ 60,000,000			5.687%	\$ (69,258)	\$ (99,410)	\$ (399,434)	\$ (44,876,140)		\$ 55,971,569	\$ (4,028,431)
Total Current Year Active Swaps				\$ 60,000,000				\$ (69,258)	\$ (99,410)	\$ (399,434)	\$ (44,876,140)		\$ 55,971,569	\$ (4,028,431)

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

Current Fiscal Year - Total Swaps								Cash Flow					Mark to Market	
Effective Date	Maturity Date		Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Prior Month	Current Month	Fiscal YTD	Cumulative Net Accrual		Current Mark to Market	Notional Difference
Total Current Year Active & Terminated Swaps								\$ (69,258)	\$ (99,410)	\$ (399,434)	\$ (44,876,140)		\$ 55,971,569	\$ (4,028,431)



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
<u>Cash Flow to Date</u>	
Synthetic Fixed =	\$68,847,684
Fixed Rate =	\$84,423,184
<u>Assumptions:</u>	
- Fixed rate debt issued at 4.93% in Mar-07 (estimated TE rate - Bloomberg)	
- 'Synthetic' includes swap cash flow + interest + fees to date	

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Exhibit "D"

IRVINE RANCH WATER DISTRICT AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
452627	1-Dec-25	RAILPROS FIELD SERVICES INC.	6,365.40
452628	4-Dec-25	KINGS COUNTY TAX COLLECTOR	18,421.46
452629	4-Dec-25	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	1,631.40
452630	4-Dec-25	COUNTY OF ORANGE	741.60
452631	4-Dec-25	COUNTY OF ORANGE	47,697.94
452632	4-Dec-25	FRANCHISE TAX BOARD	415.25
452633	4-Dec-25	COUNTY OF ORANGE SANITATION DISTRICT	3,808.00
452634	4-Dec-25	STATE WATER RESOURCES CONTROL BOARD	133,917.00
452635	4-Dec-25	KERN COUNTY TREASURER TAX COLLECTOR	81,268.59
452636	4-Dec-25	COUNTY OF RIVERSIDE	592,230.74
452637	4-Dec-25	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	10,030.58
452638	4-Dec-25	BAVCO BACKFLOW APPARATUS & VALVE COMPANY	11,529.75
452639	4-Dec-25	FEDEX	500.16
452640	4-Dec-25	FISHER SCIENTIFIC COMPANY, LLC	8,849.33
452641	4-Dec-25	GARZA INDUSTRIES, INC	1,766.67
452642	4-Dec-25	CITY OF SANTA ANA	384.38
452643	4-Dec-25	CITY OF TUSTIN	977.05
452644	4-Dec-25	COLE-PARMER INSTRUMENT COMPANY, LLC	915.22
452645	4-Dec-25	COX COMMUNICATIONS, INC.	3,154.20
452646	4-Dec-25	DEPARTMENT OF INDUSTRIAL RELATIONS STATE OF CALIFORNIA	675.00
452647	4-Dec-25	EAST ORANGE COUNTY WATER DISTRICT	1,298.01
452648	4-Dec-25	ENVIRONMENTAL EXPRESS, INC.	202.24
452649	4-Dec-25	ENVIRONMENTAL RESOURCE ASSOCIATES, INC.	1,658.03
452650	4-Dec-25	ADS CORP.	16,500.00
452651	4-Dec-25	AGILENT TECHNOLOGIES, INC.	691.11
452652	4-Dec-25	PLUMBERS DEPOT INC	11,775.56
452653	4-Dec-25	LINDE GAS & EQUIPMENT INC.	2,882.16
452654	4-Dec-25	RESTEK CORPORATION	301.88
452655	4-Dec-25	SIGMA-ALDRICH, INC.	50.56
452656	4-Dec-25	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	2,775.34
452657	4-Dec-25	SOUTHERN CALIFORNIA EDISON COMPANY	454,627.80
452658	4-Dec-25	SOUTHERN COUNTIES LUBRICANTS LLC	4,356.55
452659	4-Dec-25	UNITED PARCEL SERVICE INC	117.61
452660	4-Dec-25	V&A CONSULTING ENGINEERS	18,201.00
452661	4-Dec-25	FRONTIER CALIFORNIA INC.	486.47
452662	4-Dec-25	VERIZON WIRELESS SERVICES LLC	11,306.52
452663	4-Dec-25	VWR FUNDING, INC.	993.15
452664	4-Dec-25	WALTERS WHOLESALE ELECTRIC CO	1,449.82
452665	4-Dec-25	WAXIE'S ENTERPRISES, LLC, A BRADYPLUS COMPANY	3,789.07
452666	4-Dec-25	AIRGAS, INC.	2,811.32
452667	4-Dec-25	MC MASTER-CARR SUPPLY COMPANY	183.85
452668	4-Dec-25	GRAYBAR ELECTRIC COMPANY	8,686.90
452669	4-Dec-25	FERGUSON US HOLDINGS, INC.	47,266.37
452670	4-Dec-25	AT&T CORP	199.17
452671	4-Dec-25	AT&T CORP	228.33
452672	4-Dec-25	AT&T CORP	69.37
452673	4-Dec-25	ONESOURCE DISTRIBUTORS, LLC	2,284.13

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
452674	4-Dec-25	PRUDENTIAL OVERALL SUPPLY	12,402.23
452675	4-Dec-25	UNITED SITE SERVICES OF CALIFORNIA INC	1,223.07
452676	4-Dec-25	HACH COMPANY	7,449.08
452677	4-Dec-25	MOTION INDUSTRIES INC	1,846.98
452678	4-Dec-25	GEI CONSULTANTS INC	1,080.00
452679	4-Dec-25	MISCOWATER	10,445.29
452680	4-Dec-25	CHEM-TECH INTERNATIONAL INC	10,409.80
452681	4-Dec-25	LEE & RO, INC.	20,174.00
452682	4-Dec-25	FIRST AMERICAN TITLE CO.	750.00
452683	4-Dec-25	US BANK NAT'L ASSOC N.DAKOTA	1,732.50
452684	4-Dec-25	MISSION COMMUNICATIONS, LLC	2,200.00
452685	4-Dec-25	TAIT ENVIRONMENTAL SERVICES, INC.	533.00
452686	4-Dec-25	DIRECTV INC	159.99
452687	4-Dec-25	RICHARD C. SLADE & ASSOCIATES LLC	885.60
452688	4-Dec-25	ROYAL WHOLESALE ELECTRIC	4,301.06
452689	4-Dec-25	GOVERNMENTJOBS.COM, INC.	33,066.77
452690	4-Dec-25	LA HABRA FENCE COMPANY LLC	688.00
452691	4-Dec-25	LEE, SOON	367.62
452692	4-Dec-25	BITECH CONSTRUCTION CO INC	2,893.12
452693	4-Dec-25	KAESER COMPRESSORS, INC.	3,435.93
452694	4-Dec-25	R.F. MACDONALD CO., LLC	24,650.36
452695	4-Dec-25	PIPELINE PRODUCTS, INC.	3,044.76
452696	4-Dec-25	RESA POWER, LLC	9,985.00
452697	4-Dec-25	CART MART INC.	624.60
452698	4-Dec-25	ABBA TERMITE & PEST CONTROL, INC.	410.00
452699	4-Dec-25	MOULTON NIGUEL WATER DISTRICT	564.09
452700	4-Dec-25	ACOEM USA, INC.	1,102.56
452701	4-Dec-25	REVEL ENVIRONMENTAL MANUFACTURING INC.	2,405.00
452702	4-Dec-25	STICE COMPANY, INC.	295.02
452703	4-Dec-25	MBK ENGINEERS	4,783.25
452704	4-Dec-25	YANG, TINA	20.30
452705	4-Dec-25	EXCEL PAVING CO.	3,043.59
452706	4-Dec-25	TASSIN SCIENTIFIC SERVICES	1,388.25
452707	4-Dec-25	DIVERSIFIED COMMUNICATIONS SERVICES, INC.	33,480.00
452708	4-Dec-25	RENTOKIL NORTH AMERICA, INC	6,340.00
452709	4-Dec-25	KIM, EUNICE	151.88
452710	4-Dec-25	DG INVESTMENT INTERMEDIATE HOLDINGS 2, INC.	15,396.00
452711	4-Dec-25	ALLIANCE AG SERVICES, INC.	3,500.00
452712	4-Dec-25	FASTBLUE COMMUNICATIONS INC.	3,600.95
452713	4-Dec-25	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	11,680.93
452714	4-Dec-25	THOMPSON & PHIPPS INC	634.56
452715	4-Dec-25	DEERFIELD HOMEOWNERS ASSOCIATION	1,023.47
452716	4-Dec-25	FLEXIBLE LIFELINE SYSTEMS INC.	5,660.00
452717	4-Dec-25	SPERBER COMPANIES	1,257.60
452718	4-Dec-25	REECE SUPPLY LLC	1,029.52
452719	4-Dec-25	SAND CANYON MEDICAL GROUP	1,965.00
452720	4-Dec-25	TAPIA, FERNANDO	112.46

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
452721	4-Dec-25	CALPINE CORPORATION	210,521.30
452722	4-Dec-25	BPS SUPPLY GROUP	862.12
452723	4-Dec-25	CRISTO REY ORANGE COUNTY CORPORATE STUDY PROGRAM	40,840.00
452724	4-Dec-25	VINCE TURSINI	2,593.00
452725	4-Dec-25	JT THORPE & SON, INC	38,124.79
452726	4-Dec-25	ORANGE COUNTY WINWATER WORKS	26,618.33
452727	4-Dec-25	CANON U.S.A., INC.	8,601.56
452728	4-Dec-25	CANON U.S.A., INC.	9.80
452729	4-Dec-25	DO SUPPLY COMPANY INC	851.46
452730	4-Dec-25	PROGROUP	99.64
452731	4-Dec-25	CLYDE S. BLACKWELDER	2,016.00
452732	4-Dec-25	VTX INTERMEDIATE HOLDINGS II, INC.	17,401.89
452733	4-Dec-25	MOTION MEDIA, LLC	6,998.00
452734	4-Dec-25	AFRASHTEH, ALI	15.58
452735	4-Dec-25	CINTAS CORPORATION NO. 2	957.87
452736	4-Dec-25	ENVIRONMENTAL CHEMICAL CORP	1,077.75
452737	4-Dec-25	GCP WW HOLDCO LLC	645.19
452738	4-Dec-25	SETCO SALES COMPANY DBA GTI PREDICTIVE TECHNOLOGY	12,013.79
452739	4-Dec-25	ALIGN BUILDERS INC	2,236.42
452740	4-Dec-25	MONARACH CONSTRUCTION MGMT INC	1,413.93
452741	4-Dec-25	SUH, SANGSEOK	275.38
452742	4-Dec-25	HEATHER AND BRUCE LEVY	4,127.34
452743	4-Dec-25	VIZCAINO, NICHOLAS	278.30
452744	4-Dec-25	KUDRYASHOV, IGOR	10.87
452745	4-Dec-25	PCL CONSTRUCTION SERVICES, INC.	679.21
452746	4-Dec-25	JACKNIK, MICHELE	1,564.19
452747	4-Dec-25	CHEN, LOING	62.89
452748	4-Dec-25	ELFEND, ELIZABETH	36.94
452749	4-Dec-25	CHEN, LI WEN	41.35
452750	4-Dec-25	ZOMAYA, KAREN	17.18
452751	4-Dec-25	BUYDOS MOORE, TRESA	519.77
452752	4-Dec-25	RAMIREZ, SERGIO	43.08
452753	11-Dec-25	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	13,455.89
452754	11-Dec-25	SOUTHERN CALIFORNIA EDISON COMPANY	983,617.77
452755	11-Dec-25	STATE WATER RESOURCES CONTROL BOARD	579,360.52
452756	11-Dec-25	AMERICAN FAMILY LIFE ASSURANCE COMPANY OF COLUMBUS	3,740.56
452757	11-Dec-25	LOGICALIS	733,636.98
452758	11-Dec-25	BELLEWICK COMMUNITY ASSOCIATION	424.00
452759	11-Dec-25	FISHER SCIENTIFIC COMPANY, LLC	6,737.27
452760	11-Dec-25	COLONIAL LIFE & ACCIDENT INSURANCE CO.	370.32
452761	11-Dec-25	COMMERCIAL DOOR OF ORANGE COUNTY, INC.	1,041.00
452762	11-Dec-25	CORELOGIC INC	40.75
452763	11-Dec-25	COUNTY OF ORANGE	548.00
452764	11-Dec-25	COX COMMUNICATIONS, INC.	61.51
452765	11-Dec-25	CR & R INCORPORATED	693.92
452766	11-Dec-25	DEPARTMENT OF INDUSTRIAL RELATIONS STATE OF CALIFORNIA	8,537.61
452767	11-Dec-25	AGILENT TECHNOLOGIES, INC.	255.13

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
452768	11-Dec-25	AMETEK ARIZONA INSTRUMENT, LLC	2,795.44
452769	11-Dec-25	PARKHOUSE TIRE, INC.	3,848.26
452770	11-Dec-25	LINDE GAS & EQUIPMENT INC.	68,930.08
452771	11-Dec-25	QUINN COMPANY	113.46
452772	11-Dec-25	REACH EMPLOYEE ASSISTANCE INC	1,139.60
452773	11-Dec-25	RESTEK CORPORATION	308.87
452774	11-Dec-25	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	4,235.63
452775	11-Dec-25	SOUTH COAST WATER CO.	100.00
452776	11-Dec-25	SOUTHERN CALIFORNIA EDISON COMPANY	10,290.17
452777	11-Dec-25	THIRKETTLE CORPORATION	90,021.34
452778	11-Dec-25	UNITED PARCEL SERVICE INC	68.47
452779	11-Dec-25	V&A CONSULTING ENGINEERS	3,705.00
452780	11-Dec-25	VERIZON WIRELESS SERVICES LLC	5,503.22
452781	11-Dec-25	WALTERS WHOLESALE ELECTRIC CO	8.67
452782	11-Dec-25	USA WASTE OF CALIFORNIA, INC.	1,836.10
452783	11-Dec-25	WAXIE'S ENTERPRISES, LLC, A BRADYPLUS COMPANY	736.43
452784	11-Dec-25	YSI INCORPORATED	493.93
452785	11-Dec-25	AIRGAS, INC.	2,212.32
452786	11-Dec-25	MC MASTER-CARR SUPPLY COMPANY	360.56
452787	11-Dec-25	FERGUSON US HOLDINGS, INC.	28,117.36
452788	11-Dec-25	DAIOHS USA INCORPORATED	3,455.11
452789	11-Dec-25	AT&T CORP	6,816.03
452790	11-Dec-25	ONESOURCE DISTRIBUTORS, LLC	10,900.00
452791	11-Dec-25	PTI SAND & GRAVEL INC	2,856.94
452792	11-Dec-25	ORANGE COUNTY FIRE AUTHORITY	1,859.00
452793	11-Dec-25	DELL MARKETING LP	6,259.20
452794	11-Dec-25	TK ELEVATOR CORPORATION	268.53
452795	11-Dec-25	CHEM-TECH INTERNATIONAL INC	11,840.60
452796	11-Dec-25	LEE & RO, INC.	7,451.50
452797	11-Dec-25	MISSION COMMUNICATIONS, LLC	15,673.20
452798	11-Dec-25	VULCAN MATERIALS COMPANY	8,277.77
452799	11-Dec-25	ARAKELIAN ENTERPRISES, INC.	13,034.56
452800	11-Dec-25	ORACLE AMERICA, INC.	288,511.83
452801	11-Dec-25	MILES CHEMICAL COMPANY, INC.	11,831.36
452802	11-Dec-25	ARCADIS U.S., INC.	76,490.60
452803	11-Dec-25	PARKWAY LAWNMOWER SHOP	815.49
452804	11-Dec-25	GOVERNMENTJOBS.COM, INC.	13,152.64
452805	11-Dec-25	QUADIENT LEASING USA, INC.	2,131.24
452806	11-Dec-25	THE PARKLANDS	376.96
452807	11-Dec-25	B & K ELECTRIC WHOLESALE	202.48
452808	11-Dec-25	SANTA MARGARITA FORD	321.76
452809	11-Dec-25	STETSON ENGINEERS INC.	3,037.50
452810	11-Dec-25	STANFORD COURT APARTMENTS	166.05
452811	11-Dec-25	KAESER COMPRESSORS, INC.	1,860.60
452812	11-Dec-25	GHD INC.	200.20
452813	11-Dec-25	SMOGSTAR LLC	130.00
452814	11-Dec-25	SITMATIC	3,382.81

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
452815	11-Dec-25	WORKHORSE DIVING AND SALVAGE, LLC	99,850.00
452816	11-Dec-25	VEOLIA WATER TECHNOLOGIES TREATMENT SOLUTIONS USA INC.	133.18
452817	11-Dec-25	NEWPORT RIDGE APTS	69.06
452818	11-Dec-25	HENSEL PHELPS CONSTRUCTION CO	1,170.42
452819	11-Dec-25	GEORGE HILLS COMPANY	354.20
452820	11-Dec-25	SHON, YOUNGIL	62.55
452821	11-Dec-25	ENTERPRISE HOLDINGS, INC.	17,083.43
452822	11-Dec-25	SS MECHANICAL CONSTRUCTION CORP	4,553.89
452823	11-Dec-25	HOYA OPTICAL LABS OF AMERICA, INC.	432.00
452824	11-Dec-25	INFOSEND, INC.	66,064.35
452825	11-Dec-25	ARMADILLO AUTOMATION, INC.	13,298.77
452826	11-Dec-25	RENTOKIL NORTH AMERICA, INC	3,100.00
452827	11-Dec-25	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	4,474.53
452828	11-Dec-25	GSRP ST SOLAR I LLC	8,084.79
452829	11-Dec-25	VUPPULA, VIDYADHAR	23.10
452830	11-Dec-25	THOMPSON & PHIPPS INC	3,924.99
452831	11-Dec-25	8X8 INC	12,724.97
452832	11-Dec-25	MHI PROS	51,281.14
452833	11-Dec-25	NICK BARBIERI TRUCKING, LLC	3,957.69
452834	11-Dec-25	TIERRA VERDE INDUSTRIES	35.56
452835	11-Dec-25	THE BALDWIN GROUP WEST, LLC	5,833.33
452836	11-Dec-25	LOZANO SMITH, LLP	94.50
452837	11-Dec-25	SCA OF CA, LLC	4,563.24
452838	11-Dec-25	SPERBER COMPANIES	374.26
452839	11-Dec-25	MICHAEL K. NUNLEY & ASSOCIATES, INC.	113.50
452840	11-Dec-25	REPORT IT, LLC	1,559.00
452841	11-Dec-25	SHINE UP SOLAR LLC	1,747.99
452842	11-Dec-25	ENEL X ADVISORY SERVICES NORTH AMERICA, INC.	3,300.00
452843	11-Dec-25	REECE SUPPLY LLC	536.73
452844	11-Dec-25	DMS FACILITY SERVICES, LLC	39,286.87
452845	11-Dec-25	11:11 SYSTEMS INC.	4,335.00
452846	11-Dec-25	LUBRICATION ENGINEERS	2,356.97
452847	11-Dec-25	SOCAL SCADA SOLUTIONS LLC	10,233.90
452848	11-Dec-25	BRENNER-FIEDLER & ASSOCIATES, INC.	10,576.00
452849	11-Dec-25	CONTINENTAL AMERICAN INSURANCE COMPANY	2,034.96
452850	11-Dec-25	ELIJAH STANDING WARRIOR	750.00
452851	11-Dec-25	VINCE TURSINI	1,465.00
452852	11-Dec-25	TAYLOR MORRISON OF CALIFORNIA LLC	1,571.10
452853	11-Dec-25	ORANGE COUNTY WINWATER WORKS	5,218.74
452854	11-Dec-25	MIKE PRLICH AND SONS, INC.	647,154.25
452855	11-Dec-25	RAILPROS FIELD SERVICES INC.	6,365.40
452856	11-Dec-25	CANON U.S.A., INC.	19.97
452857	11-Dec-25	SPEX CERTIPREP, LLC	1,179.86
452858	11-Dec-25	VOICE, LLC	1,370.66
452859	11-Dec-25	IRON MOUNTAIN INCORPORATED	78.56
452860	11-Dec-25	KURITA AMERICA INC.	23,199.84
452861	11-Dec-25	VTX INTERMEDIATE HOLDINGS II, INC.	17,401.89

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
452862	11-Dec-25	ELECTRIC POWER SYSTEMS INTERNATIONAL, INC.	12,263.85
452863	11-Dec-25	CINTAS CORPORATION NO. 2	866.15
452864	11-Dec-25	LUMIVERO LLC	2,895.00
452865	11-Dec-25	EWING, JON	63.94
452866	11-Dec-25	CAI, JASMINE	26.93
452867	11-Dec-25	DE ZOYSA, MANOHARI	38.67
452868	11-Dec-25	MARYAM MOVADEDINIA	1,000.00
452869	11-Dec-25	SHERMAN, FAY	31.75
452870	11-Dec-25	CHENG, LILI	31.14
452871	11-Dec-25	FLIGHT PHASE I OWNER LLC	1,863.90
452872	18-Dec-25	FEDEX	185.58
452873	18-Dec-25	FISHER SCIENTIFIC COMPANY, LLC	282.83
452874	18-Dec-25	BROWN AND CALDWELL	76,753.23
452875	18-Dec-25	BRUCE HADLEY NEWELL	2,500.00
452876	18-Dec-25	CALIFORNIA MUNICIPAL STATISTICS INC	300.00
452877	18-Dec-25	CANON FINANCIAL SERVICES, INC.	9,790.47
452878	18-Dec-25	CORELOGIC INC	627.05
452879	18-Dec-25	COX COMMUNICATIONS, INC.	301.45
452880	18-Dec-25	TRICOR DIRECT INC	330.27
452881	18-Dec-25	ENVIRONMENTAL SCIENCE ASSOCIATES	23,630.29
452882	18-Dec-25	AGILENT TECHNOLOGIES, INC.	142.48
452883	18-Dec-25	APCO GRAPHICS INC	694.30
452884	18-Dec-25	MUTUAL PROPANE	27.00
452885	18-Dec-25	NCH CORPORATION	1,683.20
452886	18-Dec-25	NEWAGE INDUSTRIES INC	1,331.61
452887	18-Dec-25	LINDE GAS & EQUIPMENT INC.	2,802.56
452888	18-Dec-25	SKC-WEST INC	598.64
452889	18-Dec-25	SOUTHERN CALIFORNIA EDISON COMPANY	50,752.83
452890	18-Dec-25	SOUTHERN COUNTIES LUBRICANTS LLC	1,818.56
452891	18-Dec-25	UNITED PARCEL SERVICE INC	68.38
452892	18-Dec-25	FRONTIER CALIFORNIA INC.	64.79
452893	18-Dec-25	VERIZON WIRELESS SERVICES LLC	684.27
452894	18-Dec-25	WAXIE'S ENTERPRISES, LLC, A BRADYPLUS COMPANY	1,933.74
452895	18-Dec-25	AIRGAS, INC.	2,757.00
452896	18-Dec-25	MC MASTER-CARR SUPPLY COMPANY	866.13
452897	18-Dec-25	FERGUSON US HOLDINGS, INC.	28,617.76
452898	18-Dec-25	SOUTHERN CALIFORNIA GAS COMPANY	145,326.67
452899	18-Dec-25	AT&T CORP	165.70
452900	18-Dec-25	AT&T CORP	221.25
452901	18-Dec-25	BANK OF AMERICA	13,566.88
452902	18-Dec-25	ONESOURCE DISTRIBUTORS, LLC	6,667.66
452903	18-Dec-25	PRUDENTIAL OVERALL SUPPLY	10,341.39
452904	18-Dec-25	UNITED SITE SERVICES OF CALIFORNIA INC	384.15
452905	18-Dec-25	SPECTRUM PUMPING SOLUTIONS	63,267.04
452906	18-Dec-25	HACH COMPANY	1,263.10
452907	18-Dec-25	GEI CONSULTANTS INC	2,095.00
452908	18-Dec-25	DELL MARKETING LP	19,461.77

IRVINE RANCH WATER DISTRICT
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CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
452909	18-Dec-25	MC FADDEN-DALE INDUSTRIAL HARDWARE, LLC	393.14
452910	18-Dec-25	WATER RESEARCH FOUNDATION	62,924.00
452911	18-Dec-25	STATE NET	2,646.00
452912	18-Dec-25	TAIT ENVIRONMENTAL SERVICES, INC.	500.00
452913	18-Dec-25	ARAKELIAN ENTERPRISES, INC.	8,669.23
452914	18-Dec-25	RICHARD C. SLADE & ASSOCIATES LLC	2,611.70
452915	18-Dec-25	AIR TECHNOLOGY LABORATORIES	203.50
452916	18-Dec-25	ANTHONY N. LARSEN	850.00
452917	18-Dec-25	LSA ASSOCIATES INC	482.50
452918	18-Dec-25	ARCADIS U.S., INC.	29,214.52
452919	18-Dec-25	KPRS CONSTRUCTION SERVICES, INC.	14,890.44
452920	18-Dec-25	IRVINE RANCH CONSERVANCY	3,095.00
452921	18-Dec-25	CALIFORNIA CHAMBER OF COMMERCE	15,601.00
452922	18-Dec-25	R C FOSTER CORPORATION	138,564.08
452923	18-Dec-25	SAFETY-KLEEN SYSTEMS, INC	385.00
452924	18-Dec-25	INNOVATIVE CONSTRUCTION SOLUTIONS	75,748.90
452925	18-Dec-25	KAESER COMPRESSORS, INC.	560.30
452926	18-Dec-25	R.F. MACDONALD CO., LLC	600.00
452927	18-Dec-25	RS HUGHES COMPANY, INC.	482.55
452928	18-Dec-25	DAVIS FARR LLP	18,860.00
452929	18-Dec-25	DILYTICS INC	5,520.00
452930	18-Dec-25	PIPELINE PRODUCTS, INC.	191.20
452931	18-Dec-25	PRONTO GYM SERVICES, INC.	180.00
452932	18-Dec-25	IDEA HALL	10,755.00
452933	18-Dec-25	ACCUSOURCE, INC.	281.14
452934	18-Dec-25	ASKEW, MARTHA	22.83
452935	18-Dec-25	INFOSEND, INC.	18.40
452936	18-Dec-25	CHIEN, JULIE	38.74
452937	18-Dec-25	TIC INVESTMENT COMPANY LLC	6,183.15
452938	18-Dec-25	BIOTAGE LLC	17,553.73
452939	18-Dec-25	KAN VENTURES, INC	7,750.00
452940	18-Dec-25	INTERPRO SOLUTIONS, LLC.	1,150.00
452941	18-Dec-25	THOMPSON & PHIPPS INC	2,651.15
452942	18-Dec-25	STANTEC ARCHITECTURE INC	13,217.80
452943	18-Dec-25	GRACE BJORNSTAD	134.69
452944	18-Dec-25	THE BALDWIN GROUP WEST, LLC	5,833.33
452945	18-Dec-25	SPERBER COMPANIES	163,585.99
452946	18-Dec-25	MICHAEL K. NUNLEY & ASSOCIATES, INC.	27,394.29
452947	18-Dec-25	REECE SUPPLY LLC	641.78
452948	18-Dec-25	SAND CANYON MEDICAL GROUP	215.00
452949	18-Dec-25	CALPINE CORPORATION	508,997.10
452950	18-Dec-25	NATIONAL SAFETY COMPLIANCE, INC	104.50
452951	18-Dec-25	AQUATIC BIOASSAY & CONSULTING LABORATORIES, INC.	1,920.00
452952	18-Dec-25	JT THORPE & SON, INC	12,490.02
452953	18-Dec-25	P&M HOLDING GROUP, LLP	27,150.00
452954	18-Dec-25	ORANGE COUNTY WINWATER WORKS	11,586.67
452955	18-Dec-25	CENTROID INTERMEDIATE, LLC	18,715.00

IRVINE RANCH WATER DISTRICT
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CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
452956	18-Dec-25	PROGROUP	1,335.28
452957	18-Dec-25	JO-KELL, INC.	2,246.14
452958	18-Dec-25	APEX PARKS GROUP	295.25
452959	18-Dec-25	KURITA AMERICA INC.	23,199.84
452960	18-Dec-25	BOBERG ENGINEERING & CONTRACTING, INC - TCM	735.22
452961	18-Dec-25	DENKEN SOLUTIONS, INC	15,730.00
452962	18-Dec-25	BENSON LEGAL, APC.	6,956.46
452963	18-Dec-25	ANDERLE, KAY	30.02
452964	18-Dec-25	BOWMAN, CURTIS	52.58
452965	18-Dec-25	BOYLE, M KATHLEEN	16.98
452966	18-Dec-25	DALLWIG, SASHA	16.55
452967	18-Dec-25	CAI, CHENG	38.33
452968	18-Dec-25	CHALLA, ANNAPURNA	17.28
452969	18-Dec-25	CHANG, CHIEN-I	32.86
452970	18-Dec-25	CHEN, LILIAN	18.48
452971	18-Dec-25	ARSHI, EDWARD	50.36
452972	18-Dec-25	BOMAN, LEANNE	45.55
452973	18-Dec-25	HEATHER CROSTHWAITE AND ANDREW WARREN	543.28
452974	18-Dec-25	COE, AMELIA	98.20
452975	18-Dec-25	COLWICK, HAROLD	326.83
452976	18-Dec-25	BINGHAM, MARCUS	25.33
452977	18-Dec-25	BRUNELL, SHAWNA	76.56
452978	18-Dec-25	CHATELLIER, SPENCER	36.60
452979	18-Dec-25	BRUCE WEBSTER WORLEY JR	174.04
452980	18-Dec-25	SOUTHERN CALIFORNIA EDISON COMPANY	1,638.98
452981	18-Dec-25	UNITED STATES POSTAL SERVICE	3,740.00
452982	18-Dec-25	FRANCHISE TAX BOARD	295.85
452983	18-Dec-25	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	9,932.50
452984	29-Dec-25	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	14,899.50
452985	30-Dec-25	AIR RESOURCES BOARD	1,470.00
452986	30-Dec-25	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	9,835.06
452987	30-Dec-25	FARMERS INSURANCE EXCHANGE	5,465.13
452988	30-Dec-25	LAW OFFICES OF SAMER HABBAS AND ASSOCIATES INC	22,000.00
452989	30-Dec-25	US BANK NAT'L ASSOCIATION NORTH DAKOTA	107,735.53
452990	30-Dec-25	BLOOMBERG FINANCE LP	7,995.00
452991	30-Dec-25	FEDEX	300.80
452992	30-Dec-25	FISHER SCIENTIFIC COMPANY, LLC	911.42
452993	30-Dec-25	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES, INC.	375.00
452994	30-Dec-25	CALIFORNIA MUNICIPAL STATISTICS INC	1,450.00
452995	30-Dec-25	JUST ENERGY SOLUTIONS INC.	325.01
452996	30-Dec-25	COMMERCIAL DOOR OF ORANGE COUNTY, INC.	3,411.56
452997	30-Dec-25	ENVIRONMENTAL EXPRESS, INC.	110.72
452998	30-Dec-25	ENVIRONMENTAL SCIENCE ASSOCIATES	4,564.48
452999	30-Dec-25	ADS CORP.	12,343.00
453000	30-Dec-25	ASHFORD, WALT	610.59
453001	30-Dec-25	CITY OF NEWPORT BEACH	2,873.44
453002	30-Dec-25	PLUMBERS DEPOT INC	373.11

IRVINE RANCH WATER DISTRICT
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CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
453003	30-Dec-25	LINDE GAS & EQUIPMENT INC.	6,796.67
453004	30-Dec-25	QUINN COMPANY	4,485.33
453005	30-Dec-25	SCHINDLER ELEVATOR CORPORATION	375.70
453006	30-Dec-25	SHAMROCK SUPPLY COMPANY, INC.	28,221.03
453007	30-Dec-25	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	3,233.78
453008	30-Dec-25	SOUTHERN CALIFORNIA EDISON COMPANY	67.02
453009	30-Dec-25	SOUTHERN CALIFORNIA EDISON COMPANY	100,124.84
453010	30-Dec-25	UNITED PARCEL SERVICE INC	127.13
453011	30-Dec-25	FRONTIER CALIFORNIA INC.	615.27
453012	30-Dec-25	VWR FUNDING, INC.	869.97
453013	30-Dec-25	WAXIE'S ENTERPRISES, LLC, A BRADYPLUS COMPANY	2,289.21
453014	30-Dec-25	FERGUSON US HOLDINGS, INC.	52,908.62
453015	30-Dec-25	SOUTHERN CALIFORNIA GAS COMPANY	4,548.76
453016	30-Dec-25	AT&T CORP	12,120.71
453017	30-Dec-25	ONESOURCE DISTRIBUTORS, LLC	12,310.64
453018	30-Dec-25	UNITED SITE SERVICES OF CALIFORNIA INC	1,223.07
453019	30-Dec-25	HACH COMPANY	207.95
453020	30-Dec-25	MOTION INDUSTRIES INC	81.93
453021	30-Dec-25	GEI CONSULTANTS INC	14,146.50
453022	30-Dec-25	SEAL ANALYTICAL INC	1,815.38
453023	30-Dec-25	MISCOWATER	3,464.33
453024	30-Dec-25	DELL MARKETING LP	25,082.16
453025	30-Dec-25	MC FADDEN-DALE INDUSTRIAL HARDWARE, LLC	115.34
453026	30-Dec-25	PACIFIC HYDROTECH CORPORATION	3,821.16
453027	30-Dec-25	VULCAN MATERIALS COMPANY	2,262.10
453028	30-Dec-25	REFRIGERATION SUPPLIES DISTRIBUTOR	1,141.98
453029	30-Dec-25	TAIT ENVIRONMENTAL SERVICES, INC.	782.50
453030	30-Dec-25	ENDRESS AND HAUSER INC	2,771.61
453031	30-Dec-25	ORACLE AMERICA, INC.	3,129.28
453032	30-Dec-25	DIRECTV INC	159.99
453033	30-Dec-25	MILES CHEMICAL COMPANY, INC.	24,723.14
453034	30-Dec-25	STRADLING YOCCA CARLSON & RAUTH	528.00
453035	30-Dec-25	SID TOOL CO., INC.	3,230.10
453036	30-Dec-25	ROYAL WHOLESALE ELECTRIC	278.00
453037	30-Dec-25	RADWELL INTERNATIONAL LLC	82.75
453038	30-Dec-25	SANTA MARGARITA FORD	774.79
453039	30-Dec-25	SOUTH BAY FOUNDRY, INC	8,296.75
453040	30-Dec-25	EBERHARD EQUIPMENT	61.48
453041	30-Dec-25	KAESER COMPRESSORS, INC.	560.30
453042	30-Dec-25	R.F. MACDONALD CO., LLC	34,140.00
453043	30-Dec-25	VEOLIA WATER TECHNOLOGIES TREATMENT SOLUTIONS USA INC.	4,714.02
453044	30-Dec-25	PREMIER PAVING INC.	3,053.92
453045	30-Dec-25	CART MART INC.	178.84
453046	30-Dec-25	SAF-T-FLO WATER SERVICES, INC.	4,766.59
453047	30-Dec-25	CCL CONTRACTING INC.	367,544.43
453048	30-Dec-25	CLIFFORD MORIYAMA	5,000.00
453049	30-Dec-25	JOHNSON, KAREN E	765.00

IRVINE RANCH WATER DISTRICT
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453050	30-Dec-25	THE PAPE' GROUP INC.	1,478.73
453051	30-Dec-25	JENIFER L. KIENLE	2,202.00
453052	30-Dec-25	JOHNSON-FRANK & ASSOCIATES, INC.	5,145.00
453053	30-Dec-25	PAYMENTUS CORPORATION	4,137.44
453054	30-Dec-25	SPERBER COMPANIES	1,660.00
453055	30-Dec-25	MICHAEL K. NUNLEY & ASSOCIATES, INC.	357.00
453056	30-Dec-25	GOLDEN STAR TECHNOLOGY, INC.	21,507.76
453057	30-Dec-25	REECE SUPPLY LLC	503.08
453058	30-Dec-25	BPS SUPPLY GROUP	228.08
453059	30-Dec-25	JT THORPE & SON, INC	35,549.14
453060	30-Dec-25	MCCARTHY BUILDING COMPANIES INC	1,026.60
453061	30-Dec-25	ORANGE COUNTY WINWATER WORKS	15,607.29
453062	30-Dec-25	CANON U.S.A., INC.	-
453063	30-Dec-25	WATER SYSTEMS CONSULTING, INC.	2,264.00
453064	30-Dec-25	NAJAFI, FARHARD	45.06
453065	30-Dec-25	CENTROID INTERMEDIATE, LLC	46,500.00
453066	30-Dec-25	JO-KELL, INC.	27,633.57
453067	30-Dec-25	JAMES VINCENT COX	12,500.00
453068	30-Dec-25	CONSOLIDATED CONTRACTING	2,768.53
453069	30-Dec-25	NOWLIN FENCE	19,430.95
453070	30-Dec-25	WBCP, INC.	8,300.00
453071	30-Dec-25	CERTERRA SUBSURFACE IMAGING - C BELOW	10,303.20
453072	30-Dec-25	AMERICAN SPORTSMAN HOLDINGS CO	164.50
453073	30-Dec-25	FUKASE, TETSUO	19.16
453074	30-Dec-25	ENERLITES, INC	50.97
453075	30-Dec-25	GAO, JENNIFER	206.37
453076	30-Dec-25	BIXLER, DENNIS	247.86
453077	30-Dec-25	ARB INC	2,988.71
453078	30-Dec-25	REX HOUSING & MANAGEMENT LLC	441.72
453079	30-Dec-25	DE ELENA, CHRIS	42.38
453080	30-Dec-25	FAROOQI, SAMINA	139.59
453081	30-Dec-25	FUCHIMOTO, YUSUKE	66.62
453082	30-Dec-25	DE LUNA, LISA	40.97
453083	30-Dec-25	FULLER, JULIE	25.01
453084	30-Dec-25	FUSE, JUNE	19.96
453085	30-Dec-25	LI, XIANGYUN	44.32
453086	30-Dec-25	AMERICAN FAMILY LIFE ASSURANCE COMPANY OF COLUMBUS	3,843.38
SUB-TOTAL IRWD JPM CHASE CHECK AND JPM CHASE CHECK NO PRINT DISBURSEMENTS			9,241,461.84
1008684	4-Dec-25	Vu, Johnny T	20.30
1008685	4-Dec-25	Orozco, Gustavo A (Gus)	287.74
1008686	4-Dec-25	Coria, Alejandro (Alex)	370.00
1008687	4-Dec-25	Orozco, Linda	26.58
1008688	4-Dec-25	Estrada, Robert C	72.52
1008689	4-Dec-25	Cervantes, Angel	28.00
1008690	4-Dec-25	Bosley, Kelleen M	15.40
1008691	4-Dec-25	Breiter, Michelle	20.60

IRVINE RANCH WATER DISTRICT
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1008692	4-Dec-25	Villella, Aaren	217.42
1008693	4-Dec-25	Haug, Jack Philip Ryan	289.37
1008694	4-Dec-25	Halligan, Aimee Elise	135.00
1008695	4-Dec-25	Leal, Anthony E	62.72
1008696	4-Dec-25	Estrada, Audie Nickolas	204.07
1008697	4-Dec-25	Hennequin, Mia Yoko	8.40
1008739	11-Dec-25	Fites, Michael E	85.12
1008740	11-Dec-25	Cariker, Cody J	14.70
1008741	11-Dec-25	Hansen, Casey	112.00
1008742	11-Dec-25	Calderon, Alfonso	57.27
1008743	11-Dec-25	Orozco, Linda	158.62
1008744	11-Dec-25	Pham, Amie	13.02
1008745	11-Dec-25	Ludwig, Jason	537.60
1008746	11-Dec-25	Mwe, Nang	251.00
1008747	11-Dec-25	Sagert, Justin	159.00
1008748	11-Dec-25	Aguilar, Alan C	45.78
1008749	11-Dec-25	Bosley, Kelleen M	15.40
1008750	11-Dec-25	Rios, Elias L	123.32
1008751	11-Dec-25	Rodriguez, Jimmy	13.58
1008752	11-Dec-25	Asman, David Jr.	41.72
1008753	11-Dec-25	Contreras, Joaquin	71.91
1008754	11-Dec-25	Meripol, Robert	170.00
1008755	11-Dec-25	Villella, Aaren	1,199.08
1008756	11-Dec-25	Madding, Joshua (Hunter)	199.08
1008757	11-Dec-25	Salazar, Kyle	195.47
1008758	11-Dec-25	Marquez, Jesus	151.84
1008759	11-Dec-25	Haug, Jack Philip Ryan	461.23
1008760	11-Dec-25	Saenz, Danny Marsteller Jr	179.34
1008761	11-Dec-25	Maldonado, Damien Michael	65.24
1008762	11-Dec-25	Gates, April	20.16
1008763	11-Dec-25	Leal, Anthony E	62.72
1008764	11-Dec-25	Stupy, Cole Austin	16.80
1008765	11-Dec-25	Velasco, Louis De Jesus	76.16
1008766	11-Dec-25	Scott, Jeremy Lee	395.00
1008767	11-Dec-25	Vuong, Donny Thien	385.00
1008768	11-Dec-25	Aparicio, Francisco Javier	227.92
1008769	11-Dec-25	Morales, Hernan I	31.51
1008844	18-Dec-25	Ordonez, Bernardino A (Berny)	3,000.00
1008845	18-Dec-25	Moeder, Jacob J	15.40
1008846	18-Dec-25	Valencia, Reynaldo (Rey)	61.46
1008847	18-Dec-25	Joseph, Brandon	375.00
1008848	18-Dec-25	Cervantes, Angel	28.00
1008849	18-Dec-25	Rivenburg, Deniene H	92.19
1008850	18-Dec-25	Bosley, Kelleen M	15.40
1008851	18-Dec-25	Hornung, Phillip	734.64
1008852	18-Dec-25	Williams, Warren (Randy)	239.30
1008853	18-Dec-25	Villalta, Jonathan	383.00

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1008854	18-Dec-25	Ovcharenko, Rachael	59.00
1008855	18-Dec-25	Nowak, Joshua	340.00
1008856	18-Dec-25	Nguyen, Jeanny	43.96
1008857	18-Dec-25	Villella, Aaren	172.38
1008858	18-Dec-25	Haug, Jack Philip Ryan	144.66
1008859	18-Dec-25	Byrd, Gina Benina	28.00
1008860	18-Dec-25	Tran, David Van	274.00
1008861	18-Dec-25	Estrada, Audie Nickolas	349.92
1008862	18-Dec-25	Atilano, Juan Jose	260.40
1008863	18-Dec-25	Morales, Hernan I	20.00
1008917	30-Dec-25	Vu, Johnny T	20.30
1008918	30-Dec-25	Bill, Cody	365.00
1008919	30-Dec-25	Collazo, Carlos C	120.66
1008920	30-Dec-25	Corral, Edward Jr (Ed)	120.00
1008921	30-Dec-25	Valencia, Reynaldo (Rey)	50.73
1008922	30-Dec-25	Compton, Christine A	114.31
1008923	30-Dec-25	Sanchez, Maria	74.90
1008924	30-Dec-25	Rios, Elias L	34.44
1008925	30-Dec-25	Contreras, Joaquin	29.82
1008926	30-Dec-25	Gudala, Naveen	1,739.52
1008927	30-Dec-25	Ovcharenko, Rachael	120.00
1008928	30-Dec-25	Ramirez, Eric	92.96
1008929	30-Dec-25	Villella, Aaren	283.02
1008930	30-Dec-25	Madding, Joshua (Hunter)	99.54
1008931	30-Dec-25	Salazar, Kyle	73.08
1008932	30-Dec-25	Almazan, Robert (Chris)	361.58
1008933	30-Dec-25	Bronstein, Louis (Lou)	239.40
1008934	30-Dec-25	Haug, Jack Philip Ryan	112.01
1008935	30-Dec-25	Saenz, Danny Marsteller Jr	60.20
1008936	30-Dec-25	Lorn, Channy	82.88
1008937	30-Dec-25	Maldonado, Damien Michael	81.58
1008938	30-Dec-25	Leal, Anthony E	62.72
1008939	30-Dec-25	Hunting, Verowin Martin	311.23
1008940	30-Dec-25	Valdes, Jeffrey Glenn	54.18
1008941	30-Dec-25	Nearns, Eugenio Hernan (Gino)	947.32
1008942	30-Dec-25	Aparicio, Francisco Javier	190.51
SUB-TOTAL IRWD JPM CHASE ACH FOR EXPENSE REPORTS			19,773.31
1008698	4-Dec-25	FARRELL PRINTING, INC.	441.72
1008699	4-Dec-25	W. W. GRAINGER, INC.	29,332.67
1008700	4-Dec-25	JCI JONES CHEMICALS, INC.	62,448.72
1008701	4-Dec-25	C WELLS PIPELINE MATERIALS, INC	17,356.38
1008702	4-Dec-25	CALIFORNIA BARRICADE RENTALS, INC.	28,613.50
1008703	4-Dec-25	EHS INTERNATIONAL, INC	1,320.00
1008704	4-Dec-25	AECOM TECHNICAL SERVICES, INC.	209,501.25
1008705	4-Dec-25	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	1,242,478.84
1008706	4-Dec-25	PACIFIC MECHANICAL SUPPLY	6,381.37

IRVINE RANCH WATER DISTRICT
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CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1008707	4-Dec-25	PAULUS ENGINEERING, INC.	224,675.00
1008708	4-Dec-25	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA	6,742.84
1008709	4-Dec-25	VULCAN INDUSTRIES INC	20,891.52
1008710	4-Dec-25	WORLD TRAVEL CONSULTANTS	1,370.00
1008711	4-Dec-25	HILL BROTHERS CHEMICAL COMPANY	15,350.10
1008712	4-Dec-25	RAM AIR ENGINEERING INC	53,011.06
1008713	4-Dec-25	MCR TECHNOLOGIES INC	8,435.59
1008714	4-Dec-25	ZEBRON CONTRACTING INC	46,995.00
1008715	4-Dec-25	HDR ENGINEERING INC	21,558.75
1008716	4-Dec-25	RED WING SHOE STORE	1,478.33
1008717	4-Dec-25	MR CRANE, INC.	2,141.88
1008718	4-Dec-25	A&A WIPING CLOTH CO	2,068.80
1008719	4-Dec-25	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.	12,097.50
1008720	4-Dec-25	BORCHARD SURVEYING & MAPPING, INC.	1,380.00
1008721	4-Dec-25	WEST COAST SAND & GRAVEL INC.	3,784.75
1008722	4-Dec-25	ENVIRONMENTAL EQUIPMENT SUPPLY	324.39
1008723	4-Dec-25	LIEBERT CASSIDY WHITMORE	1,700.50
1008724	4-Dec-25	AMAZON CAPITAL SERVICES, INC.	8,793.17
1008725	4-Dec-25	LANDCARE HOLDINGS, INC.	8,602.02
1008726	4-Dec-25	MICHAEL BAKER INTERNATIONAL, INC.	7,282.58
1008727	4-Dec-25	TOTAL RESOURCE MANAGEMENT, INC	14,429.52
1008728	4-Dec-25	ADAM'S FALCONRY SERVICE, LLC	2,040.00
1008729	4-Dec-25	ABC ICE, INC	358.80
1008730	4-Dec-25	PACIFIC STAR CHEMICAL, LLC	2,746.20
1008731	4-Dec-25	CANNON CORPORATION	1,189.50
1008732	4-Dec-25	INNOVATIVE MACHINE TOOL REPAIR LLC	2,179.60
1008733	4-Dec-25	GFS CHEMICALS, INC.	173.31
1008734	4-Dec-25	STORM WATER INSPECTION & MAINTENANCE SERVICES LLC	840.00
1008735	4-Dec-25	LWP CLAIMS SOLUTIONS INC	34,855.04
1008736	4-Dec-25	DRAKE TRAFFIC CONTROL SERVICES	7,673.00
1008737	4-Dec-25	CLIFTON MAXWELL II	4,732.00
1008738	4-Dec-25	AMERICAN AIR FILTERS	1,148.51
1008770	11-Dec-25	FARRELL PRINTING, INC.	83.80
1008771	11-Dec-25	FIDELITY SECURITY LIFE INSURANCE COMPANY	8,419.29
1008772	11-Dec-25	GANAHL LUMBER CO.	5,285.50
1008773	11-Dec-25	W. W. GRAINGER, INC.	6,532.40
1008774	11-Dec-25	JCI JONES CHEMICALS, INC.	47,000.82
1008775	11-Dec-25	LAGUNA BEACH COUNTY WATER DISTRICT	10,021.47
1008776	11-Dec-25	C WELLS PIPELINE MATERIALS, INC	11,569.12
1008777	11-Dec-25	CALIFORNIA BARRICADE RENTALS, INC.	4,260.00
1008778	11-Dec-25	CAROLLO ENGINEERS, INC	4,485.00
1008779	11-Dec-25	CDW GOVERNMENT LLC	1,712.64
1008780	11-Dec-25	DCSE, INC.	11,904.00
1008781	11-Dec-25	EHS INTERNATIONAL, INC	1,980.00
1008782	11-Dec-25	ACCUSTANDARD, INC.	165.12
1008783	11-Dec-25	AQUA BEN CORPORATION	69,644.57
1008784	11-Dec-25	NEWPORT WINDOW MAINTENANCE INC	3,460.00

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1008785	11-Dec-25	ORANGE COUNTY AUTO PARTS	1,189.11
1008786	11-Dec-25	PACIFIC MECHANICAL SUPPLY	5,340.09
1008787	11-Dec-25	RINCON TRUCK CENTER INC.	348.83
1008788	11-Dec-25	S & J SUPPLY CO INC	6,132.06
1008789	11-Dec-25	TETRA TECH, INC	7,030.00
1008790	11-Dec-25	TETRA TECH, INC	13,870.00
1008791	11-Dec-25	UNIVAR SOLUTIONS USA , LLC	63,459.08
1008792	11-Dec-25	WATERLINE TECHNOLOGIES INC	6,528.00
1008793	11-Dec-25	WEST COAST SAFETY SUPPLY, INC	24,986.00
1008794	11-Dec-25	ALEXANDER'S CONTRACT SERVICES, INC.	150,459.50
1008795	11-Dec-25	HILL BROTHERS CHEMICAL COMPANY	24,793.46
1008796	11-Dec-25	RAM AIR ENGINEERING INC	7,010.78
1008797	11-Dec-25	PAPER DEPOT DOCUMENT DESTRUCTION LLC	175.00
1008798	11-Dec-25	HDR ENGINEERING INC	2,017.75
1008799	11-Dec-25	WESTAMERICA COMMUNICATIONS, INC.	660.00
1008800	11-Dec-25	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT	2,619.98
1008801	11-Dec-25	COUNTY OF ORANGE SANITATION DISTRICT	46,806.32
1008802	11-Dec-25	DOUGLAS ENVIRONMENTAL GROUP INC	1,875.00
1008803	11-Dec-25	DUKE'S ROOT CONTROL INC	93,581.51
1008804	11-Dec-25	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.	12,097.50
1008805	11-Dec-25	INTEGRITY MUNICIPAL SYSTEMS LLC	2,935.00
1008806	11-Dec-25	PYRO-COMM SYSTEMS INC	5,135.65
1008807	11-Dec-25	NATURALWELL, LLC	1,105.00
1008808	11-Dec-25	LGC GEOTECHNICAL, INC.	19,580.00
1008809	11-Dec-25	COTTONS POINT DESIGN, INC.	4,109.30
1008810	11-Dec-25	AZTEC TECHNOLOGY CORPORATION	484.88
1008811	11-Dec-25	VERDANTAS INC.	571.00
1008812	11-Dec-25	BIGWIG MONSTER, LLC	13,275.00
1008813	11-Dec-25	AUTOZONE PARTS, INC.	2,199.34
1008814	11-Dec-25	LILLESTRAND LEADERSHIP CONSULTING, INC.	9,318.75
1008815	11-Dec-25	AMAZON CAPITAL SERVICES, INC.	4,919.82
1008816	11-Dec-25	LANDCARE HOLDINGS, INC.	63,852.35
1008817	11-Dec-25	MICHAEL BAKER INTERNATIONAL, INC.	6,652.50
1008818	11-Dec-25	JIG CONSULTANTS	35,203.06
1008819	11-Dec-25	RELIANCE STANDARD LIFE INSURANCE COMPANY	40,144.29
1008820	11-Dec-25	DEMARIA ELECTRIC MOTOR SERVICES, INC.	5,698.90
1008821	11-Dec-25	WEST YOST & ASSOCIATES, INC.	24,420.00
1008822	11-Dec-25	COOMBS SERVICE GROUP	14,112.50
1008823	11-Dec-25	SKORUZ TECHNOLOGIES INC	26,040.00
1008824	11-Dec-25	ADAM'S FALCONRY SERVICE, LLC	2,040.00
1008825	11-Dec-25	MICROSOFT CORPORATION	24.00
1008826	11-Dec-25	TANKVISIONS, INC	30.00
1008827	11-Dec-25	PACIFIC STAR CHEMICAL, LLC	9,818.83
1008828	11-Dec-25	ORIGIN CONSULTING LLC	7,965.51
1008829	11-Dec-25	GOFORTH & MARTI	9,883.76
1008830	11-Dec-25	INNOVATIVE MACHINE TOOL REPAIR LLC	8,027.56
1008831	11-Dec-25	NEW DIMENSION GENERAL CONSTRUCTION, INC.	116,174.97

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1008832	11-Dec-25	ARAG NORTH AMERICA, INC.	603.75
1008833	11-Dec-25	DELTA DENTAL OF CALIFORNIA	48,231.22
1008834	11-Dec-25	FORGE MEDIA GROUP LLC	42,500.00
1008835	11-Dec-25	ACCELERATED TECHNOLOGY LABORATORIES, LLC	14,806.00
1008836	11-Dec-25	LWP CLAIMS SOLUTIONS INC	30,764.96
1008837	11-Dec-25	ANIMAL PEST MANAGEMENT SERVICES, INC.	4,780.00
1008838	11-Dec-25	DRAKE TRAFFIC CONTROL SERVICES	2,818.00
1008839	11-Dec-25	SYNAGRO WEST, LLC	132,713.75
1008840	11-Dec-25	AIR PRODUCTS AND CHEMICALS, INC.	5,898.10
1008841	11-Dec-25	FRESHBI LLC	2,500.00
1008842	11-Dec-25	THE BROWNFIELD REDEVELOPMENT GROUP CO.	60,313.00
1008843	11-Dec-25	SPRYPOINT SERVICES, INC.	4,800.00
1008864	18-Dec-25	GM SAGER CONSTRUCTION CO, INC.	345,300.00
1008865	18-Dec-25	GANAHL LUMBER CO.	105.06
1008866	18-Dec-25	GCI CONSTRUCTION, INC.	72,130.78
1008867	18-Dec-25	W. W. GRAINGER, INC.	13,639.09
1008868	18-Dec-25	HAAKER EQUIPMENT COMPANY	4,269.64
1008869	18-Dec-25	JCI JONES CHEMICALS, INC.	23,244.86
1008870	18-Dec-25	C WELLS PIPELINE MATERIALS, INC	2,876.93
1008871	18-Dec-25	CALIFORNIA BARRICADE RENTALS, INC.	34,374.15
1008872	18-Dec-25	CAROLLO ENGINEERS, INC	144,567.43
1008873	18-Dec-25	CDW GOVERNMENT LLC	584.22
1008874	18-Dec-25	DISCOVERY SCIENCE CENTER OF ORANGE COUNTY	2,227.20
1008875	18-Dec-25	AECOM TECHNICAL SERVICES, INC.	2,677.50
1008876	18-Dec-25	KIMBALL MIDWEST	5,703.51
1008877	18-Dec-25	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	6,642.80
1008878	18-Dec-25	PACIFIC MECHANICAL SUPPLY	15,746.78
1008879	18-Dec-25	PSOMAS	13,555.65
1008880	18-Dec-25	SWAINS ELECTRIC MOTOR SERVICE	10,990.38
1008881	18-Dec-25	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.	1,618.41
1008882	18-Dec-25	HILL BROTHERS CHEMICAL COMPANY	6,848.59
1008883	18-Dec-25	RAM AIR ENGINEERING INC	14,597.45
1008884	18-Dec-25	MCR TECHNOLOGIES INC	10,529.55
1008885	18-Dec-25	DAVID BALLASCH	7,645.94
1008886	18-Dec-25	HDR ENGINEERING INC	63,063.75
1008887	18-Dec-25	RED WING SHOE STORE	275.00
1008888	18-Dec-25	COUNTY OF ORANGE SANITATION DISTRICT	5,502.95
1008889	18-Dec-25	PILLSBURY WINTHROP SHAW PITTMAN LLP	462.50
1008890	18-Dec-25	OLSON REMCHO LLP	2,667.00
1008891	18-Dec-25	LGC GEOTECHNICAL, INC.	1,407.50
1008892	18-Dec-25	YORKE ENGINEERING, LLC	358.25
1008893	18-Dec-25	AZTEC TECHNOLOGY CORPORATION	5,360.56
1008894	18-Dec-25	VERDANTAS INC.	4,708.00
1008895	18-Dec-25	BIGWIG MONSTER, LLC	22,050.00
1008896	18-Dec-25	THE GUERRA COMPANIES	6,885.53
1008897	18-Dec-25	AMAZON CAPITAL SERVICES, INC.	5,482.71
1008898	18-Dec-25	T.E. ROBERTS, INC.	9,292.19

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

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1008899	18-Dec-25	LANDCARE HOLDINGS, INC.	68,054.89
1008900	18-Dec-25	REAL WATER CONSULTANTS INC.	17,600.00
1008901	18-Dec-25	TOTAL RESOURCE MANAGEMENT, INC	15,413.40
1008902	18-Dec-25	CRH CALIFORNIA WATER, INC	22,519.99
1008903	18-Dec-25	WEST YOST & ASSOCIATES, INC.	22,110.00
1008904	18-Dec-25	COOMBS SERVICE GROUP	14,950.00
1008905	18-Dec-25	MERRIMAC PETROLEUM, INC.	28,870.23
1008906	18-Dec-25	EL TORO WATER DISTRICT	72,526.95
1008907	18-Dec-25	KUTAK ROCK LLP	704.00
1008908	18-Dec-25	ACE INDUSTRIES INC	744.54
1008909	18-Dec-25	INNOVATIVE MACHINE TOOL REPAIR LLC	1,446.20
1008910	18-Dec-25	FISHER & PHILLIPS LLP	3,477.50
1008911	18-Dec-25	BLUE-WHITE INDUSTRIES	6,109.48
1008912	18-Dec-25	OSI HARDWARE, INC.	4,164.50
1008913	18-Dec-25	ANIMAL PEST MANAGEMENT SERVICES, INC.	10,470.50
1008914	18-Dec-25	SYNAGRO WEST, LLC	3,840.39
1008915	18-Dec-25	THE ACE AGENCY INC.	3,000.00
1008916	18-Dec-25	BRADY WORLDWIDE INC	1,310.78
1008943	30-Dec-25	FARRELL PRINTING, INC.	117.20
1008944	30-Dec-25	W. W. GRAINGER, INC.	26,498.30
1008945	30-Dec-25	HAAKER EQUIPMENT COMPANY	3,413.44
1008946	30-Dec-25	JCI JONES CHEMICALS, INC.	100,300.29
1008947	30-Dec-25	C WELLS PIPELINE MATERIALS, INC	37,468.99
1008948	30-Dec-25	CALIFORNIA BARRICADE RENTALS, INC.	33,208.00
1008949	30-Dec-25	CAROLLO ENGINEERS, INC	13,671.50
1008950	30-Dec-25	CDW GOVERNMENT LLC	4,588.66
1008951	30-Dec-25	DATA CLEAN LLC	759.00
1008952	30-Dec-25	DCSE, INC.	38,297.20
1008953	30-Dec-25	DE VAUL PAINT COMPANY	1,132.47
1008954	30-Dec-25	AQUA BEN CORPORATION	3,719.08
1008955	30-Dec-25	METTLER-TOLEDO INTERNATIONAL, INC	21,172.05
1008956	30-Dec-25	KIMBALL MIDWEST	1,064.16
1008957	30-Dec-25	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	1,161,387.26
1008958	30-Dec-25	NCL OF WISCONSIN INC	676.18
1008959	30-Dec-25	ORANGE COUNTY AUTO PARTS	1,476.80
1008960	30-Dec-25	PARKHOUSE TIRE, INC.	1,161.27
1008961	30-Dec-25	PAYNE & FEARS LLP	2,456.00
1008962	30-Dec-25	PSOMAS	3,806.50
1008963	30-Dec-25	RINCON TRUCK CENTER INC.	1,426.32
1008964	30-Dec-25	TETRA TECH, INC	51,575.00
1008965	30-Dec-25	WATERLINE TECHNOLOGIES INC	20,208.08
1008966	30-Dec-25	HILL BROTHERS CHEMICAL COMPANY	4,501.43
1008967	30-Dec-25	RAM AIR ENGINEERING INC	24,412.51
1008968	30-Dec-25	ROSEDALE - RIO BRAVO WATER STORAGE DISTRICT	33,512.71
1008969	30-Dec-25	ZEBRON CONTRACTING INC	30,925.00
1008970	30-Dec-25	WESTAMERICA COMMUNICATIONS, INC.	1,320.00
1008971	30-Dec-25	COUNTY OF ORANGE SANITATION DISTRICT	-

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR DECEMBER 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1008972	30-Dec-25	PACIFIC HYDROTECH CORPORATION	72,602.10
1008973	30-Dec-25	PILLSBURY WINTHROP SHAW PITTMAN LLP	370.00
1008974	30-Dec-25	OLSON REMCHO LLP	2,046.00
1008975	30-Dec-25	POLYDYNE INC	86,309.91
1008976	30-Dec-25	BORCHARD SURVEYING & MAPPING, INC.	3,682.50
1008977	30-Dec-25	QUALITY ENVIRONMENTAL CONTAINERS, INC	4,566.58
1008978	30-Dec-25	WESTERN WEATHER GROUP INC	3,700.00
1008979	30-Dec-25	INTEGRITY MUNICIPAL SYSTEMS LLC	2,935.00
1008980	30-Dec-25	PYRO-COMM SYSTEMS INC	585.00
1008981	30-Dec-25	H.S.G. PROFESSIONAL WINDOW CLEANERS, LLC	2,495.00
1008982	30-Dec-25	HANSON BRIDGETT LLP	82,469.50
1008983	30-Dec-25	CLEAN ENERGY	12,658.30
1008984	30-Dec-25	YORKE ENGINEERING, LLC	3,076.60
1008985	30-Dec-25	WEST COAST SAND & GRAVEL INC.	6,190.35
1008986	30-Dec-25	AUTOZONE PARTS, INC.	1,649.23
1008987	30-Dec-25	AMAZON CAPITAL SERVICES, INC.	10,101.94
1008988	30-Dec-25	REAL WATER CONSULTANTS INC.	26,750.00
1008989	30-Dec-25	WATER TREATMENT CHEMICALS INC	23,223.20
1008990	30-Dec-25	WEST YOST & ASSOCIATES, INC.	8,183.75
1008991	30-Dec-25	JACKSON TIDUS, A LAW CORPORATION	17,722.50
1008992	30-Dec-25	ADAM'S FALCONRY SERVICE, LLC	2,380.00
1008993	30-Dec-25	KRONICK MOSKOVITZ TIEDEMANN & GIRARD	17,274.00
1008994	30-Dec-25	STREAKWAVE WIRELESS, INC.	1,389.16
1008995	30-Dec-25	WOODARD & CURRAN INC	2,273.75
1008996	30-Dec-25	KUTAK ROCK LLP	1,157.00
1008997	30-Dec-25	INTERNATIONAL ACCREDITATION SERVICE, INC	6,250.00
1008998	30-Dec-25	CONSERV CONSTRUCTION INC.	6,487.50
1008999	30-Dec-25	ECO SERVICES OPERATIONS CORP.	7,289.85
1009000	30-Dec-25	ACE INDUSTRIES INC	11,716.06
1009001	30-Dec-25	INNOVATIVE MACHINE TOOL REPAIR LLC	2,464.09
1009002	30-Dec-25	BIRMINGHAM FASTENER & SUPPLY INC	4,424.77
1009003	30-Dec-25	IRIS GROUP HOLDINGS LLC	1,710.00
1009004	30-Dec-25	IDR ENVIRONMENTAL SERVICES	600.00
1009005	30-Dec-25	LWP CLAIMS SOLUTIONS INC	27,713.20
1009006	30-Dec-25	DRAKE TRAFFIC CONTROL SERVICES	2,617.00
1009007	30-Dec-25	AIR PRODUCTS AND CHEMICALS, INC.	8,055.16
SUB-TOTAL IRWD JPM CHASE ACH DISBURSEMENTS			6,824,957.77
100359	4-Dec-25	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	10,429.00
100360	4-Dec-25	CALPERS	838,475.90
100361	4-Dec-25	INSPIRA FINANCIAL HEALTH, INC	79,796.37
100362	11-Dec-25	FRANCHISE TAX BOARD	106,370.69
100363	11-Dec-25	BANK OF AMERICA	229,278.64
100364	11-Dec-25	INTERNAL REVENUE SERVICE	316,870.03
100365	11-Dec-25	SUMITOMO MITSUI BANKING CORPORATION	212,406.43
100366	11-Dec-25	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	3,819.53
100367	11-Dec-25	EMPLOYMENT DEVELOPMENT DEPARTMENT	25,672.70

IRVINE RANCH WATER DISTRICT
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100368	11-Dec-25	EMPOWER RETIREMENT, LLC	198,881.48
100369	18-Dec-25	CALPERS	664,451.04
100370	18-Dec-25	FRANCHISE TAX BOARD	111,908.86
100371	18-Dec-25	INTERNAL REVENUE SERVICE	335,511.81
100372	18-Dec-25	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	3,542.61
100373	18-Dec-25	EMPLOYMENT DEVELOPMENT DEPARTMENT	26,390.95
100374	18-Dec-25	EMPOWER RETIREMENT, LLC	215,932.73
100375	30-Dec-25	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	7,208.00
100376	30-Dec-25	CALPERS	352,705.77
100377	30-Dec-25	FRANCHISE TAX BOARD	119,575.76
100378	30-Dec-25	INTERNAL REVENUE SERVICE	347,380.41
100379	30-Dec-25	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	3,819.53
100380	30-Dec-25	EMPLOYMENT DEVELOPMENT DEPARTMENT	27,364.09
100381	30-Dec-25	EMPOWER RETIREMENT, LLC	191,954.84
100382	30-Dec-25	INSPIRA FINANCIAL HEALTH, INC	96,329.22
100383	30-Dec-25	JP MORGAN CHASE BANK N.A.	4,263.51
SUB-TOTAL IRWD JPM CHASE WIRE DISBURSEMENTS			4,530,339.90
100328	30-Dec-25	WELLS FARGO BANK, N.A.	13,268.50
SUB-TOTAL IRWD WELLS FARGO WIRE DISBURSEMENTS			13,268.50
16268	30-Dec-25	INSPIRA FINANCIAL HEALTH, INC	-
SUB-TOTAL IRWD BOFA WIRE DISBURSEMENTS			-
SUB-TOTAL BOFA, WELLS FARGO CHECK, AND JPM CHASE ELECTRONIC DISBURSEMENTS			20,629,801.32
451020	21-Aug-25	Leal, Anthony E	31.36
450945	21-Aug-25	FLOREK, STEVEN	9.57
450981	21-Aug-25	PARK, KATIE	45.06
450929	21-Aug-25	CHEN, ZHOUYI	35.40
450953	21-Aug-25	JO, IAN	112.15
450931	21-Aug-25	COOK, CORINA	6.37
451094	28-Aug-25	THE NEW HOME COMPANY SOUTHERN CALIFORNIA LLC	201.45
451181	4-Sep-25	SAF-T-FLO WATER SERVICES, INC.	4,766.59
451926	23-Oct-25	AMERICAN FAMILY LIFE ASSURANCE COMPANY OF COLUMBUS	3,843.38
452400	20-Nov-25	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	2,042.38
452609	26-Nov-25	JT THORPE & SON, INC	17,492.07
1008719	4-Dec-25	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.	12,097.50
452860	11-Dec-25	KURITA AMERICA INC.	23,199.84
SUB-TOTAL BOFA, WELLS FARGO CHECK, AND JPM CHASE ELECTRONIC VOIDED IN DECEMBER 2025			63,883.12
NET			20,565,918.20

Exhibit "E"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

December
2025

	AMOUNT	VENDOR	PURPOSE
12/12/2025	1,441,716.10	BANK OF AMERICA	ACH Payments for Payroll
12/26/2025	1,388,714.22	BANK OF AMERICA	ACH Payments for Payroll
	<u>\$2,830,430.32</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-DEC-25 to 31-DEC-25

NAME	CHECK NUMBER	CHECK DATE	TRANSACTION AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Almazan, Robert (Chris)	1008932	30-Dec-25	270	Certification	Water Distribution Grade 3 Renewal and CEU Course Fee Reimbursement
Bill, Cody	1008918	30-Dec-25	251	Membership	CWEA Membership and CSM Grade I Renewal Fee Reimbursement
Bill, Cody	1008918	30-Dec-25	114	Certification	CWEA Membership and CSM Grade I Renewal Fee Reimbursement
Bronstein, Louis (Lou)	1008933	30-Dec-25	141.4	Mileage	Mileage reimbursement - Round-trip to attend the ACWA 2025 Fall Conference December 3, 2025
Compton, Christine A	1008922	30-Dec-25	114.31	Mileage	Mileage reimbursement - Round-trip to attend the ACWA 2025 Fall Conference December 3, 2025
Coria, Alejandro (Alex)	1008686	4-Dec-25	370	Certification	CWEA Collections II reimbursement
Corral, Edward Jr (Ed)	1008920	30-Dec-25	120	Certification	SWRCB D3 Fee reimbursement
Halligan, Aimee Elise	1008694	4-Dec-25	135	Membership	AWWE Membership Fee Reimbursement
Haug, Jack Philip Ryan	1008693	4-Dec-25	118.54	OT Meal	OT meal 6 ppl
Haug, Jack Philip Ryan	1008759	11-Dec-25	100	OT Meal	OT meal 5 ppl
Haug, Jack Philip Ryan	1008759	11-Dec-25	100	OT Meal	OT meal 5ppl
Hornung, Phillip	1008851	18-Dec-25	108.24	Lodging	Gartner IT Infrastructure, Operations, and Cloud Strategies Conference
Hornung, Phillip	1008851	18-Dec-25	386.4	Other(Misc)	Mileage Reimbursement -Gartner IT Infrastructure, Operations, and Cloud Strategies Conference
Hunting, Verowin Martin	1008939	30-Dec-25	311.23	Lunch <30	Eureka team building luncheon - 7 persons
Joseph, Brandon	1008847	18-Dec-25	251	Membership	CWEA Membership Renewal Fee Reimbursement
Joseph, Brandon	1008847	18-Dec-25	124	Certification	CWEA Membership Renewal Fee Reimbursement
Marquez, Jesus	1008758	11-Dec-25	100	Dinner <50	OT Meals - repair 4" lower lateral (sag) - 5ppl
Meripol, Robert	1008754	11-Dec-25	170	Certification	MaintainAssociate Safety Professional Certification Renewal
Mwe, Nang	1008746	11-Dec-25	251	Membership	CWEA Membership Renewal
Nearns, Eugenio Hernan (Gino)	1008941	30-Dec-25	881.32	Lodging	ESA Annual Meeting Final Expense Reimbursement
Nowak, Joshua	1008855	18-Dec-25	340	Certification	Reimburse Backflow Prevention Assembly Tester Certification
Orozco, Gustavo A (Gus)	1008685	4-Dec-25	251	Membership	CWEA Membership Renewal Fee Reimbursement
Sagert, Justin	1008747	11-Dec-25	159	Other(Misc)	Team Meeting Breakfast (Discuss Work Flow Proccess)
Scott, Jeremy Lee	1008766	11-Dec-25	395	Certification	Advanced Water Treatment Operator Grade 3 Certification Fee Reimbursement
Tran, David Van	1008860	18-Dec-25	274	Certification	SWRCB Certificate Fee reimbursment
Villalta, Jonathan	1008853	18-Dec-25	228	Certification	Wastewater Treatment Operator Grade II Certification and Exam Fee Reimbursement
Villalta, Jonathan	1008853	18-Dec-25	155	Certification	Wastewater Treatment Operator Grade II Certification and Exam Fee Reimbursement
Villella, Aaren	1008755	11-Dec-25	105	Certification	Water Distribution Grade IV Certification and Exam Fee Reimbursement
Villella, Aaren	1008755	11-Dec-25	130	Certification	Water Distribution Grade IV Certification and Exam Fee Reimbursement
Villella, Aaren	1008755	11-Dec-25	649.98	Registration Fees	Water Distribution Grade IV Certification and Exam Fee Reimbursement
Vuong, Donny Thien	1008767	11-Dec-25	170	Certification	Professional Safety Certification Renewal
Vuong, Donny Thien	1008767	11-Dec-25	145	Certification	Professional Safety Certification Renewal
Total Amount: 7,419.42					

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February 9, 2026
Prepared by: B. Powell
Submitted by: C. Smithson / N. Adly
Approved by: Paul A. Cook 

CONSENT CALENDAR

FISCAL YEAR 2025-26 IRWD GUIDING PRINCIPLES SCORECARD

SUMMARY:

The IRWD Guiding Principles Scorecard through the second quarter of Fiscal Year (FY) 2025-26 is provided as Exhibit “A”. This document reflects the critical performance measures that gauge the District’s key business objectives, based on the Board-adopted Guiding Principles.

BACKGROUND:

IRWD’s Guiding Principles Scorecard is based on four Board-adopted Guiding Principles used to achieve its vision. These principles relate to 1) Customer Service, 2) Resource Management, 3) Employee Development, and 4) Community Leadership. The Scorecard includes measures that reflect operating performance, financial, customer, and other key measures that provide an overview of the ongoing operations of IRWD. Staff has also included additional detailed information on certain selected key indicators.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

RECOMMENDATION:

RECEIVE AND FILE.

LIST OF EXHIBITS:

Exhibit “A” – IRWD Guiding Principles Scorecard

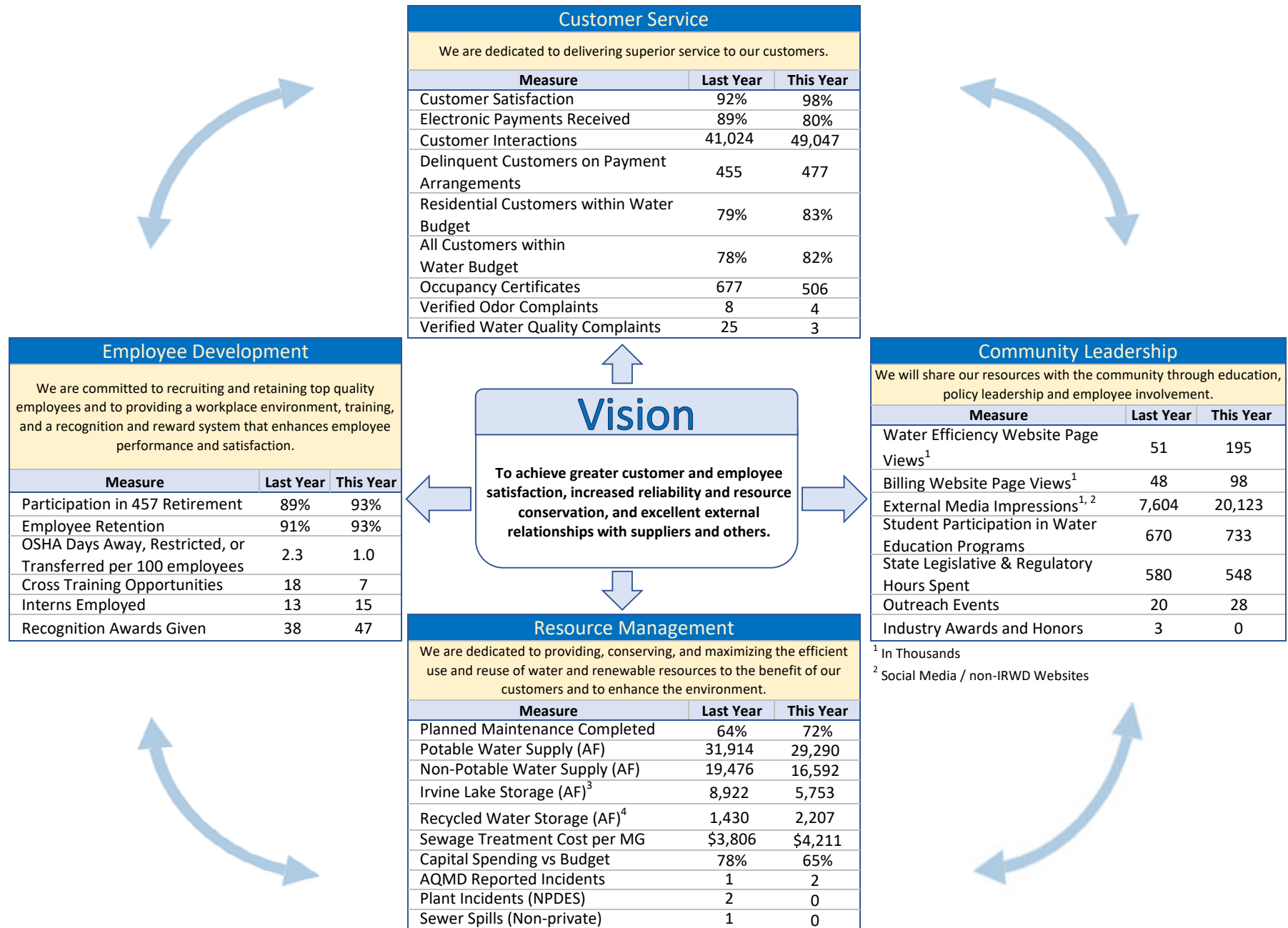
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Exhibit "A"

IRVINE RANCH WATER DISTRICT

Guiding Principles Scorecard

Through the Second Quarter of Fiscal Year 2025-26



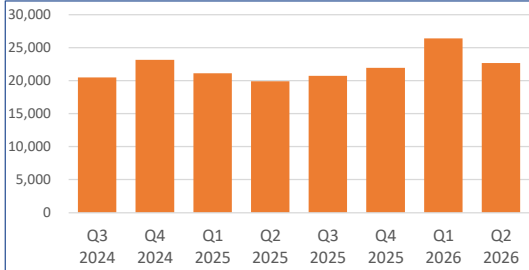
IRVINE RANCH WATER DISTRICT

Guiding Principles Closer Perspective

Through the Second Quarter of Fiscal Year 2025-26

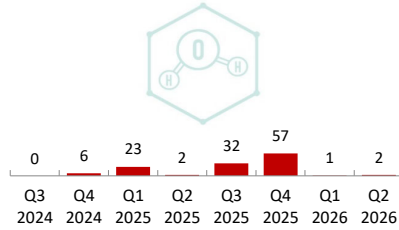
Customer Service

Customer Contacts

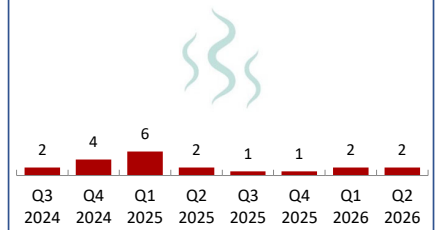


Verified Complaints

Water Quality



Sewer Odor

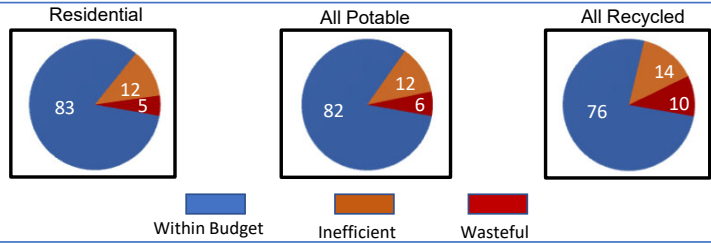


Certificates of Occupancy



FY2024-25	265	250	162
FY2025-26	105	250	151

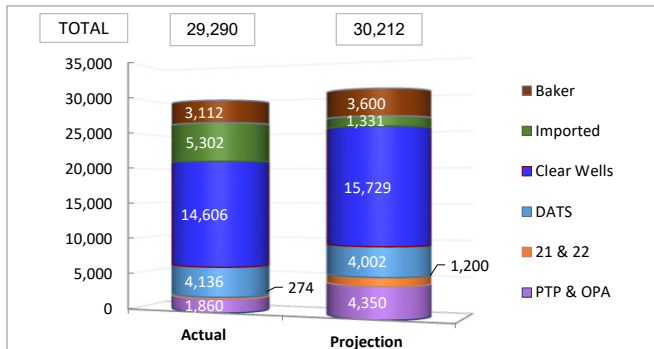
Percentage of Customers within Water Budget



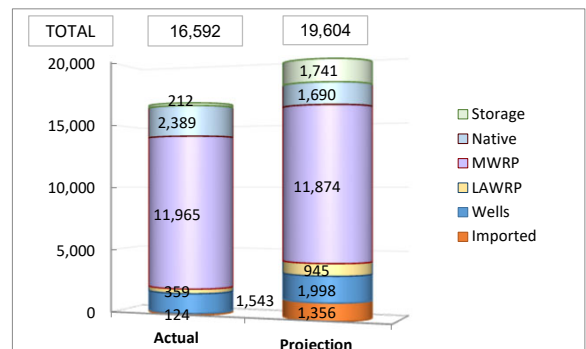
Resource Management

Water Supply (in Acre Feet)*

Potable



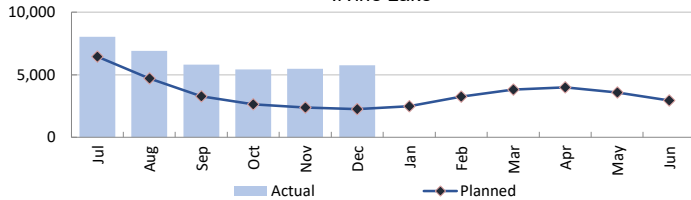
Recycled



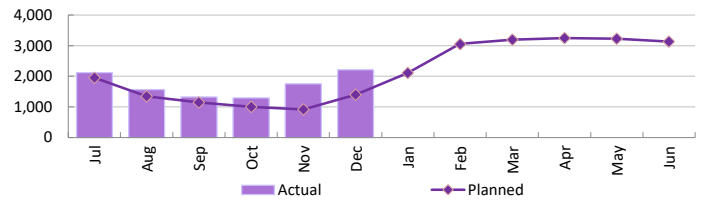
* Baker was supplied with 0 AF of native water from Irvine Lake for IRWD usage. This is included in both potable and non potable production.

Reservoir Storage (in Acre Feet)

Irvine Lake



Recycled



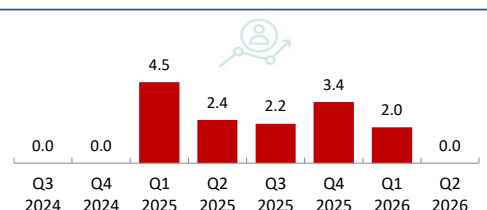
Regulatory Compliance



AQMD	0	0	5	2	0	0	0	2
Plants	0	0	1	3	0	1	0	0
Sewer Spills	0	0	0	0	3	1	0	0
	Q3 2024	Q4 2024	Q1 2025	Q2 2025	Q3 2025	Q4 2025	Q1 2026	Q2 2026

Safety

Days Away, Restricted, and Transferred



February 9, 2026
Prepared and
submitted by: C. Compton
Approved by: Paul A. Cook



CONSENT CALENDAR

2026 LEGISLATIVE AND REGULATORY UPDATE

SUMMARY:

This report provides an update on the 2025-2026 legislative session, regulatory issues, and IRWD priorities. As legislation and regulations develop, staff will provide updates and recommendations to the Board, as appropriate.

Staff recommend the Board consider the following actions/positions:

- *ACWA Wildfire Proposal*: “SUPPORT”;
- *Assemblymember Steve Bennet’s Wildfire Proposal*: “OPPOSE UNLESS AMENDED”;
and
- *Water Supply Assessment Proposal*: “SUPPORT”.

BACKGROUND:

January 23 was the last day for bills to be submitted to the Office of the Legislative Counsel, and January 31 is the last day for bills introduced in 2025 to be passed out of their house of origin. The bill introduction deadline this year is February 20, although resolutions and constitutional amendments can be introduced after that date. The first policy committee deadlines are in late April and early May.

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

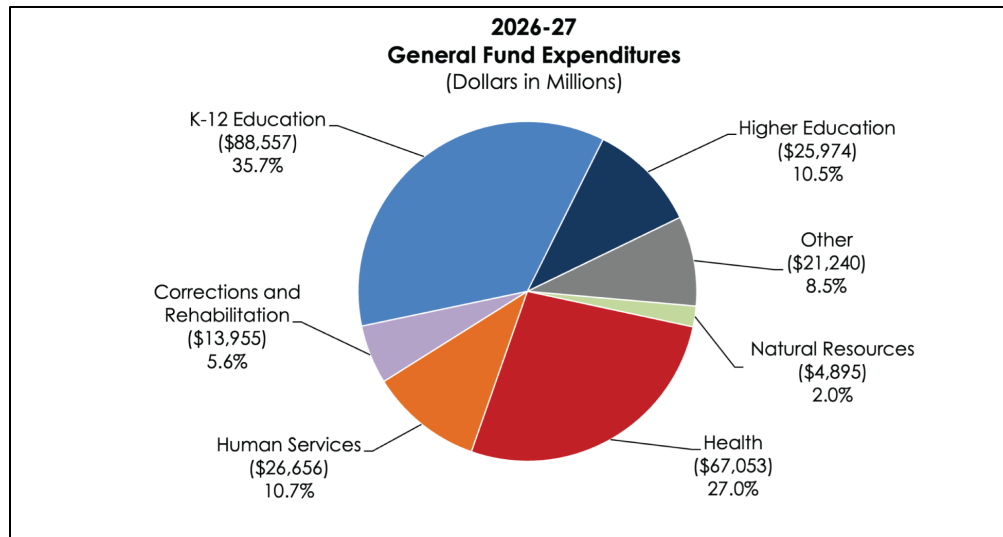
State Budget Update:

Governor’s 2026-2027 State Budget Proposal:

On January 9, 2026, Governor Gavin Newsom officially unveiled his proposed Fiscal Year (FY) 2026-2027 Proposed Budget.

Total expenditures, which includes General Fund, special fund and bond expenditures, are proposed at \$348.9 billion.

The Proposed Budget outlines \$248.3 billion in General Fund expenditures, and proposed allocation of those expenditures as shown in chart below, which was included in the Governor’s Proposed Budget.



Governor's Budget Summary- 2026-27, page 3 (Jan. 9, 2026),
<https://ebudget.ca.gov/budget/p/2026-27/BudgetSummary>.

The Proposed Budget also assumes \$230 billion in General Fund revenues and \$92.3 billion in special fund revenues. The table below, which is from the Governor's Proposed Budget, shows his projected revenues for General Fund and Special Funds by tax/fee source:

2026-27 Revenue Sources (Dollars in Millions)				
	General Fund	Special Funds	Total	Change From 2025-26
Personal Income Tax	\$142,202	\$4,621	\$146,823	\$4,527
Sales and Use Tax	35,095	15,858	50,953	935
Corporation Tax	43,528	-	43,528	1,826
Highway Users Taxes	-	9,793	9,793	186
Insurance Tax	4,612	-	4,612	243
Alcoholic Beverage Taxes and Fees	419	-	419	2
Cigarette Tax	34	1,066	1,100	-40
Motor Vehicle Fees	46	13,154	13,200	398
Other	4,472	47,826	52,298	830
Subtotal	\$230,408	\$92,318	\$322,726	\$8,907
Transfer to the Budget Stabilization Account/Rainy Day Fund	-3,023	3,023	-	-
Total	\$227,385	\$95,341	\$322,726	\$8,907

Note: Numbers may not add due to rounding.

Governor's Budget Summary- 2026-27, on page 6 (Jan. 9, 2026)
<https://ebudget.ca.gov/budget/p/2026-27/BudgetSummary>

Governor's and LAO's Project Deficit Differences:

Due to higher and more optimistic revenue forecasts, the Governor's Proposed Budget forecasts a shortfall of nearly \$3 billion for the upcoming year. This is a substantially smaller shortfall than the \$18 billion forecasted by the Legislative Analyst's Office (LAO). The LAO summarized the difference between the Governor's and its revenue forecasts by as follows:

"The administration projects the budget faces a roughly \$3 billion deficit. This is lower than our November *Fiscal Outlook* estimate of an \$18 billion deficit, for two offsetting reasons. First, and most importantly, the administration's revenue estimate is considerably higher than ours because it does not incorporate the strong risk of a stock market downturn. Second, however, these higher revenues are offset by higher spending under the administration's assumptions and estimates."

The 2026-27 Budget: Overview of the Governor's Budget, on page 3 (Jan. 12, 2026)
https://lao.ca.gov/reports/2026/5101/2026-27_Budget_Overview_011226.pdf.

Proposition 4 and Safe and Affordable Drinking Water Funding:

Of importance for the District is the Governor's proposed Proposition 4 expenditures. The Governor proposes \$2.1 billion in Proposition 4 expenditures for FY 2026-2027. While funding is proposed at lower levels than anticipated, those proposed levels include funding for recycled water projects and water conveyance projects. Conversely, programs such as dam safety are not proposed for additional bond funding this year.

Notably, the Safe and Affordable Drinking Water Program, which has been funded through the Greenhouse Gas Reduction Fund, was not included for funding in the Governor's Proposed Budget.

Staff will continue to monitor the budget discussion and will provide an update to the Board on new developments related to the District's interests.

2026 State Legislative Update:

AB 35 (Alvarez) Safe Drinking Water, Wildfire Prevention, Drought Preparedness, And Clean Air Bond Act Of 2024: Administrative Procedure Act Exemption:

Assemblymember David Alvarez (D-San Diego) amended AB 35 to provide an exemption from the Administrative Procedures Act (APA) for the Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Bond Act of 2024 (Proposition 4). The legislation would streamline the rollout of Proposition 4 by exempting the adoption of necessary regulations, program guidelines, and selection criteria from the standard requirements of the APA. By exempting the lengthy APA rulemaking process, the bill ensures that state agencies can implement programs and allocate bond funding with greater efficiency. Furthermore, AB 35 contains an urgency clause, allowing the measure to take effect immediately upon enactment.

The District has a “support” position on AB 35, and is part of a broad coalition of local governments, special districts, and statewide associations, including the Association of California Water Agencies (ACWA), the California Municipal Utilities Association (CMUA), the California Association of Sanitation Agencies (CASA), and the Southern California Water Coalition (SCWC).

AB 35 is current in the Senate, pending referral to a policy committee. Staff will provide an update on any new developments related to AB 35.

Low Income Water Rate Assistance:

Last year [SB 350](#), authored by Senator Maria Elena Durazo (D-Los Angeles) and sponsored by Clean Water Action, the Community Water Center, and Leadership Counsel for Justice and Accountability, was the 2025 proposal that would have established a statewide water rate assistance program at the State Board, and would have required water suppliers to participate in the statewide program and automatically enroll households in the program. Water suppliers would also have to provide qualified low-income residential ratepayers with a bill credit of no less than 20 percent of the total water charges and, if present on the bill, wastewater charges, for the indoor volume of water defined in the “Making Conservation a California Way of Life” laws.

Because SB 350 sought to create a statewide low-income rate assistance program without a funding source and presented some implementation challenges for local water suppliers because of this, the District has an “oppose unless amended” position on the bill. The Board authorized staff to seek amendments that make the bill more workable for water agencies. As staff had reached agreement with the sponsors on amendments to the bill, the bill was held on the Senate Appropriations Suspense File.

Staff will update the Board on continuing conversations with the bill’s sponsors over the Interim Recess, and the District’s efforts to sponsor legislation related to addressing community and household affordability in California.

Water Suppliers and Wildfire Related Legislation:

Wildfire will remain a topic of considerable discussion in the Legislature. Bills have already been introduced to cover wildfire and insurance, wildfire hardening, and more. Staff has also received information that additional bills related to water suppliers and wildfire will also be introduced before the bill introduction deadline.

One proposal, which is being sponsored by ACWA (and provided as Exhibit “B”), seeks to provide statutory clarification on public water systems and their liability during a wildfire. It also includes enhanced emergency planning provisions. Staff recommends that the Board adopt a “support” position on the proposal, as the bill, if enacted, would benefit the District.

Another proposal, which is being authored by Assemblymember Steve Bennet (D-Ventura), would require water suppliers with 100 connections or more to establish an emergency preparedness plan for response to red flag warnings, extreme weather events and other major power outages or emergencies that pose a potential threat to providing water services in

coordination with the county Board of Supervisors, or a county agency or department designated by the Board of Supervisors, and then submitted to the Board of Supervisors. The plan would need to include:

- An assessment of minimum water tank levels necessary during an extreme weather event or red flag warning, taking into consideration water quality standards and actions necessary to maintain water quality;
- Identification of the minimum number and which water pumps are necessary to maintain water service without a decrease in normal water supply to firefighters;
- Identification of whether those water pumps have emergency backup energy sources;
- Identification which of the water pumps need emergency backup energy sources;
- Identification of alternative water sources that can be used during an extreme weather event or loss of power, if any; and
- Identification of the pipes, water pumps, tanks, and back-up power generation necessary to provide water during an extreme weather event and an identification of which of those pipes, water pumps, tanks and back-up power generation are fire hardened.

A copy of the currently proposed text is attached as Exhibit “C”. Staff has provided the District’s associations feedback and shared the District’s concerns about the proposed language. The language, as of the writing of this report, has not yet been introduced. Staff recommends that the Board adopted an “oppose unless amended” on the proposal, and authorize staff to seek amendments to move the proposals in the direction of the ACWA wildfire proposal and address the increase in liability the Assemblymember’s proposal raises for water suppliers.

Staff will provide an oral update to the Board on new developments related to these proposals and other wildfire-related legislation.

Water Supply Assessment Legislation:

A Water Supply Assessment (WSA) is required for certain types of larger residential, commercial, and mixed-use projects to assess the water demand impact of the project. Under existing law, a city or county, upon determining that a project is subject to the California Environmental Quality Act (CEQA), is required to request a WSA from a water supplier if the development meets the definition of “project” specified in Water Code 10912 (a).

Water Code 10912 (a) requires a WSA for:

- Proposed residential development of more than 500 dwelling units;
- Proposed shopping center or business establishment employing more than 1,000 persons or having more than 500,000 square feet of floor space;
- Proposed commercial office building employing more than 1,000 persons or having more than 250,000 square feet of floor space;
- Proposed hotel or motel, or both, having more than 500 rooms;

- Proposed industrial, manufacturing, or processing plant, or industrial park planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 square feet of floor area;
- A project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500 dwelling unit project; and
- Mixed-use project that include one or more of the projects, listed above.

The trigger for the WSA has been the applicability of CEQA. With the CEQA revisions related to housing projects enacted in the budget last year, a WSA is no longer required for projects that meet the Water Code criteria but are no longer subject to CEQA. Other CEQA exemption / housing related legislation has also impacted the applicability of WSAs.

Although the impact to WSA was an unintended consequence of the housing-related legislation, a fix to the WSA statute is needed to ensure WSAs are still being done for the projects outlined in the Water Code. Attached as Exhibit “D” is a legislative proposal that would fix the WSA statute. It is in the process of being introduced. Staff recommends that the Board adopt a “support” position on the proposal.

Other 2024 State Legislative Updates:

Staff will also provide an oral update to the Board on any new developments related to the following:

- AB 52 (Aguiar-Curry, D-Winters) - Native American Resources;
- AB 794 (Gabriel, D-Encino) - California Safe Drinking Water Act: Emergency Regulations;
- AB 810 (Irwin, D-Thousand Oaks) - Local Government: Internet Websites and Email Addresses;
- AB 1146 (Papan, D-San Mateo) – Dams and Reservoir Water Releases: False Pretense;
- AB 1337 (Ward, D-San Diego) – Information Practices Act of 1977;
- AB 1413 (Papan, D-San Mateo)- Sustainable Groundwater Management Act: Groundwater Adjudication;
- SB 599 (Caballero) – Atmospheric River Extended Forecasting;
- SB 601 (Allen, D-Santa Monica) - Waste Discharge Requirements;
- Brown Act-related legislation;
- Housing-related legislation;
- Labor and employment;
- Local Area Formation Commission (LAFCo) legislation;
- Proposition 218-related legislation; and
- Other legislative matters of interest to IRWD.

2025 State and Regional Regulatory Update:

The following is a list of state and regional regulations and agency reports staff are 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. Staff will also provide an oral update to the Board on any new developments related to these regulations and other regulations of interest to the District.

The pending regulations and reports actively being tracked include:

- California Natural Resources Agency (CNRA) [30 x 30 California Implementation](#);
- California Air Resources Board (CARB) Advanced Clean Fleets;
- CalOSHA Occupational Safety and Health Standards Board's [Horizontal Sliding and Swinging Gates Regulation](#);
- CNRA's [Water Resilience Portfolio Implementation and Resiliency 2.0](#) Implementation;
- Department of Water Resources (DWR) SB 1157 Indoor Water Use Studies;
- DWR's Implementation of [SB 72 \(Caballero, 2025\)](#);
- State Board's Climate Change Resolution;
- State Board's Cross-Connection Control Policy Handbook revisions;
- State Board implementation of the [Lead and Copper Rule](#);
- State Board's [Safe and Affordable Funding for Equity and Resilience \(SAFER\) Drinking Water Program](#);
- State Board's [Development of Maximum Contaminant Levels for PFAS](#) and other associated actions on PFAS;
- State Board's Implementation of [SB 31 \(McNerney, 2025\)](#);
- South Coast AQMD's [Cumulative Impacts from Air Toxics for CEQA Projects](#);
- South Coast AQMD's Tier 4 Emergency Generator Testing Policy;
- South Coast AQMD's Proposed Rule 317.1 - Clean Air Act Nonattainment Fees for 8-Hour Ozone Standards; and
- South Coast AQMD's [Proposed Rule 1110.4, Emissions from Emergency Generators](#).

2025 Federal Legislative and Regulatory Update:

Kern Fan Groundwater Storage Project Outreach:

IRWD's federal advocacy priority in 2026 focuses on seeking federal funding for the South Valley Conveyance and Storage Project and advocating for a reauthorization of the Small Storage Grant Program. Staff will provide an update on those efforts and the District's next steps.

Other Federal Regulatory Updates:

The following is a list of federal regulations and agency reports staff are monitoring, tracking, or planning to engage in over the next three to 12 months. Staff will also provide an oral update to the Board on any new developments related to these regulations and other regulations of interest to the District. The pending regulations and reports actively being tracked include:

- Revisions to Waters of the United States Definition; and
- EPA's Revised [PFAS Drinking Water Standard](#).

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed at the Water Resources Policy and Communications Committee on February 5, 2026.

RECOMMENDATION:

THAT THE BOARD ADOPT A "SUPPORT" POSITION ON THE ASSOCIATION OF CALIFORNIA WATER AGENCIES WILDFIRE PROPOSAL, A "SUPPORT" POSITION ON THE WATER SUPPLY ASSESSMENT PROPOSAL, AND AN "OPPOSE UNLESS AMENDED" POSITION ON ASSEMBLYMEMBER STEVE BENNET'S WILDFIRE PROPOSAL.

LIST OF EXHIBITS:

- Exhibit "A" – IRWD Legislative Matrix
- Exhibit "B" – ACWA's Wildfire Proposal
- Exhibit "C" – Assemblymember Steve Bennet's Wildfire Proposal
- Exhibit "D" – Water Supply Assessment Proposal

IRWD 2026 LEGISLATIVE MATRIX**Updated: January 30, 2026**

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 12 (Wallis (R))	Low-Carbon Fuel Standard: Regulations		Voids specified amendments to the Low-Carbon Fuel Standard regulations adopted by the State Air Resources Board on specified date.	02/18/2025: To ASSEMBLY Committee on NATURAL RESOURCES.
CA AB 34 (Patterson J (R))	Large Hydroelectric Generation		Provides that under existing law, the California Renewables Portfolio Standard Program requires retail sellers and local publicly owned electric utilities to procure a minimum quantity of electricity products from eligible renewable energy resources during certain compliance periods. Provides that the provision related to the procurement of eligible renewable energy resources by local publicly owned electric utilities also applies to the compliance periods established by the Energy Commission.	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 35 (Alvarez (D))	Clean Air Bond Act 2024: Administrative Procedure Act	Support	Exempts the adoption of regulations needed to effectuate or implement programs of the Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Bond Act from the requirements of the Administrative Procedure Act. Requires a state entity that receives funding to administer a competitive grant program established using the Administrative Procedure Act exemption to do certain things. Requires the Secretary of the Natural Resources Agency to post an electronic form on the Agency's Website.	01/26/2026: In ASSEMBLY. Read third time, urgency clause adopted. Passed ASSEMBLY. *****To SENATE.
CA AB 41 (Macedo (R))	State Air Resources Board: Regulations: Impact Estimate		Require the State Air Resources Board, in consultation with the State Energy Resources Conservation and Development Commission, before adopting or amending a regulation that imposes costs on gasoline refiners, distributors, or retailers, to make available to the public, including on its internet website, an estimate of the impact on retail gasoline prices due to the proposed new regulation or the existing regulation and the proposed amendments to that regulation.	02/18/2025: To ASSEMBLY Committee on NATURAL RESOURCES.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 52 (Aguiar-Curry (D))	Farmer Equity: Advisory Committees	Seek Amendments	Authorizes the advisory committees to advise the secretary and the department on programs, policies, education, outreach, technical assistance, and general needs for small-scale producers, medium-scale producers, and socially disadvantaged farmers or ranchers in California.	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 66 (Tangipa (R))	California Environmental Quality Act: Exemption: Egress		Exempts from the California Environmental Quality Act egress route projects undertaken by a public agency to improve emergency access to and evacuation from a subdivision without a secondary egress route if the State Board of Forestry and Fire Protection has recommended the creation of a secondary access to the subdivision and certain conditions are met. Requires the lead agency to hold a public meeting before determining that a project is exempt. Requires Office of Land Use and Climate Innovation notice.	07/16/2025: In SENATE Committee on NATURAL RESOURCES AND WATER: Not heard.
CA AB 69 (Calderon (D))	FAIR Plan Policy Notices and Renewals		Relates to the California FAIR Plan Association. Requires the association to provide all policyholders with a notice regarding their coverage options at least annually, including with the initial policy issuance and upon each renewal.	09/11/2025: In SENATE. Read second time and amended. Re-referred to Committee on INSURANCE.
CA AB 232 (Calderon (D))	Natural Disasters: Catastrophe Savings Accounts		Relates to the Personal Income Tax Law. Allows a deduction from adjusted gross income for amounts contributed by a qualified taxpayer to a catastrophe savings account, in accordance with specified provisions. Defines catastrophe savings account to mean a regular savings account or money market account with a financial institution that, among other requirements, is established to pay for the qualified catastrophe expenses of a qualified taxpayer establishing the account.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 259 (Rubio (D))	Open Meetings: Local Agencies: Teleconferences	Support	Provides that existing law, until the specified date, authorizes the legislative body of a local agency to use alternative teleconferencing under certain conditions. Extends the alternative teleconferencing procedures until the specified date.	05/14/2025: To SENATE Committees on LOCAL GOVERNMENT and JUDICIARY.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 261 (Quirk-Silva (D))	Fire Safety: Fire Hazard Severity Zones		Provides that existing law requires the State Fire Marshal to identify areas in the State that are not State responsibility areas as moderate, high, and very high fire hazard severity zones. Prohibits the State Fire Marshal's determination of fire hazard severity zones, in both State responsibility areas and lands that are not State responsibility areas, from being based on risk mitigation activities.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 262 (Caloza (D))	California Individual Assistance Act		Enacts the California Individual Assistance Act to establish a grant program to provide financial assistance to local agencies, community-based organizations, and individuals for specified costs related to a disaster. Requires the Director of Emergency Services, in administering the California Individual Assistance Act, to prioritize recipients that are not eligible for federal funding, pursuant to specified regulations, due to the inability to meet minimum damage thresholds.	06/11/2025: To SENATE Committee on GOVERNMENTAL ORGANIZATION.
CA AB 269 (Bennett (D))	Dam Safety and Climate Resilience Local Assistance	Oppose	Includes the removal of project facilities as additional projects eligible to receive funding under the Dam Safety and Climate Resilience Local Assistance Program.	02/10/2025: To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
CA AB 270 (Petrie-Norris (D))	Department of Forestry and Fire Protection		Requires the Department of Forestry and Fire Protection to establish a pilot project to assess whether a firefighting helicopter equipped with autonomous aerial suppression technology can be transitioned into operational use in the State. Requires an operator of autonomous aerial suppression technology that is part of the pilot project and that is required to submit reports to local or federal agencies about autonomous aerial suppression technology to provide those reports to the department and Legislature.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 272 (Aguilar-Curry (D))	Heavy-Duty Vehicle Inspection and Maintenance Program		Provides that existing law requires the State Air Resources Board to adopt and implement a regulation for a Heavy Duty Vehicle Inspection and Maintenance Program for non gasoline heavy duty	09/02/2025: In SENATE. From third reading. To Inactive File.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			on road motor vehicles with a gross vehicle weight rating of more than a specified number of pounds. Requires, within a specified number of years following the full implementation of the program, but not later than the specified date, the State Board to provide the first of the biennial reports on its internet website.	
CA AB 275 (Petrie-Norris (D))	Office of Emergency Services: Wildfire Aerial Response		Requires the Office of Emergency Services, in consultation with the Department of Forestry and Fire Protection, to establish a working group to evaluate and develop recommendations for implementing a wildfire aerial response program to provide year round, 24 hours per day, 7 days per week, rapid aerial suppression capabilities. Requires the working group to consider specified elements to ensure effective statewide aerial wildfire suppression and to develop recommendations.	04/28/2025: In ASSEMBLY Committee on EMERGENCY MANAGEMENT: Not heard.
CA AB 286 (Gallagher (R))	Electricity: Mandatory Rate Reduction		Provides that existing law authorizes the Public Utilities Commission to fix the rates and charges for every public utility and requires that those rates and charges be just and reasonable. Requires the commission to generate a report outlining recommendations to decrease the kilowatt per hour rate for electricity charged to ratepayers by not less than a specified percent by the specified date. Requires the commission, in making those reduction recommendations, to take certain actions.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 294 (Gallagher (R))	Recovery from Disaster or Emergency: Funding Priority		Authorizes the Office of Emergency Services to prioritize funding and technical assistance under specified programs, including, but not limited to, for infrastructure and housing recovery projects, in communities that suffered a loss in population and businesses due to a major federal disaster, state of emergency, or local emergency and have unmet recovery needs as a result of a major federal disaster, state of emergency, or local emergency.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 295 (Macedo (R))	Environmental Quality Act: Environmental Leadership		Extends the application of the Economic Improvement Through Environmental Leadership Act to water storage projects, water	02/10/2025: To ASSEMBLY Committees on NATURAL

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			conveyance projects, and groundwater recharge projects that provide public benefits and drought preparedness.	RESOURCES and WATER, PARKS AND WILDLIFE.
CA AB 300 (Lackey (R))	Fire Hazard Severity Zones: State Fire Marshal		Provides that existing law requires the State Fire Marshal to identify areas in the State as moderate, high, and very high fire hazard severity zones. Requires the Marshal, at least once every specified number of years, to review areas in the State identified as moderate, high, and very high fire hazard severity zones, and to review lands within State responsibility areas classified as fire hazard severity zones. Requires the Marshal, at least once every certain number of years, to re-review certain areas.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 303 (Addis (D))	Battery Energy Storage Facilities		Specifies that energy storage systems do not include battery energy storage systems for purposes of certification by the Energy Commission. Requires the commission to deny applications for a battery energy storage system that are pending as of the effective date of the bill. Prohibits the authorization of a development project that includes a battery energy storage system capable of storing 200 megawatthours or more of energy if the development project is located within 3,200 feet of a sensitive receptor.	03/10/2025: To ASSEMBLY Committees on UTILITIES AND ENERGY, NATURAL RESOURCES, and LOCAL GOVERNMENT.
CA AB 306 (Schultz (D))	Building Regulations: State Building Standards		Requires the State Building Standards Commission to reject a modification or change to any building standard affecting a residential unit and filed by the governing body of a city or county unless certain conditions are met, including that the commission deems those changes or modifications necessary as emergency standards to protect health and safety. Requires the commission to review certain changes or modifications within a certain period. Relates to the International Wildland-Urban Interface Code.	06/23/2025: In SENATE. Read second time and amended. Re-referred Committee on HOUSING.
CA AB 307 (Petrie-Norris (D))	Safe Drinking Water, Wildfire Prevention, Drought Prep		Requires a specified amount of the Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Bond Act of 2024 to the Department of Forestry and Fire Protection be	03/24/2025: In ASSEMBLY Committee on NATURAL RESOURCES: Not heard.

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			allocated for purposes of the ALERTCalifornia fire camera mapping system.	
CA AB 311 (McKinnor (D))	Dwelling Units: Persons at Risk of Hness		Reinstates prior law which authorized a tenant to temporarily permit the occupancy of their dwelling unit by a person who is at risk of homelessness, with the written approval of the owner or landlord, and includes new provisions regarding occupancy. Defines person at risk of homelessness to include any person who is displaced from their residence as a result of a disaster in a disaster-stricken area in which a state of emergency has been proclaimed by the Governor.	05/07/2025: To SENATE Committee on JUDICIARY.
CA AB 317 (Jackson (D))	California First Time Homeowner Dream Act		Exempts from the California Environmental Quality Act the new construction of a single family dwelling that meets certain conditions, including that the project contains one single family dwelling that is a specified size or less with no more than a specified number of bedrooms, the property is intended to be sold to a first time home buyer, and the lead agency determines that the developer of the project or the property owner provided sufficient legal commitments to meet the requirements of the exemption.	06/04/2025: To SENATE Committees on ENVIRONMENTAL QUALITY and HOUSING.
CA AB 328 (Chen (R))	Indemnity		Makes a nonsubstantive change to existing law which specifies that one who indemnifies another against an act to be done by the latter, is liable jointly with the person indemnified, and separately, to every person injured by the act.	01/27/2025: INTRODUCED.
CA AB 333 (Alanis (R))	Recycling: Waste Glass Product: Market Development		Requires the Department of Resources Recycling and Recovery to pay a market development payment to a person who purchases a material produced from a by-product of glass recycling or processing that contains certain contaminants, cannot be remelted for use in glass beverage containers or fiberglass insulation, and that would otherwise be sent to a landfill or be used as low grade	01/22/2026: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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			aggregate. Authorizes certain expenditures and makes an appropriation.	
CA AB 337 (Bennett (D))	Greenhouse Gas Reduction Fund: Grant Program: Food		Expands a grant program under the Department of Resources Recycling and Recovery to provide financial assistance for the recovery of edible food, as specified. Specifies that eligible infrastructure projects includes the construction or expansion of facilities to help develop, implement, or expand edible food waste recovery operations.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 340 (Ahrens (D))	Employer-Employee Relations: Confidential Communication		Prohibits a public employer from compelling a public employee, a representative of a recognized employee organization, or an exclusive representative to disclose confidential communications to a third party. Provides that this would not apply to a criminal investigation or when a public safety officer is under investigation and certain circumstances exist.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 351 (McKinnor (D))	Campaign Contributions: Agency Officers		Relates to the Political Reform Act of 1974 which prohibits an officer of an agency from accepting, soliciting, or directing a contribution of more than a specified amount from any party, participant, or a party or participant's agent, while a proceeding involving a license, permit, or other entitlement for use is pending before the agency and for 12 months following the date a final decision is rendered in the proceeding. Increases the contribution threshold as specified.	04/30/2025: In ASSEMBLY Committee on ELECTIONS: Reconsideration granted.
CA AB 362 (Ramos (D))	Water Policy: California Tribal Communities		Requires the Water Quality Control Board to propose, and solicit tribal consultation and public comment on, water quality standards to achieve reasonable protection of tribal water uses into the water quality control plan for the San Francisco Bay and Sacramento San Joaquin Delta watershed. Requires the Environmental Protection Agency and the Natural Resources Agency to amend a memorandum of understanding to incorporate	01/16/2026: In ASSEMBLY. To Inactive File.

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			participation from State tribal communities in the Water Quality Monitoring Council.	
CA AB 364 (DeMaio (R))	Personal Information: Maintenance		Enacts the Stop Foreign Governments from Accessing Californians Sensitive Personal Information Act. Requires a business to disclose to a consumer if the business intends to maintain the consumer's personal information outside of the United States.	03/24/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on PRIVACY AND CONSUMER PROTECTION.
CA AB 372 (Bennett (D))	Office of Emergency Services: State Matching Funds		Establishes Water Infrastructure for Wildfire Resilience Program within the OES for the distribution of state matching funds to urban wildland interface communities, as defined, in designated high fire hazard severity zones or very high fire hazard severity zones to improve water system infrastructure. Requires the OES to work in coordination with the Department of Water Resources, the State Water Resources Control Board, the Office of the State Fire Marshal, and other state entities.	09/03/2025: In SENATE. From third reading. To Inactive File.
CA AB 380 (Gonzalez Ma (D))	Price Gouging		Provides that under existing law, upon the proclamation of an emergency, it is a misdemeanor for a person, contractor, business, or other entity to sell or offer to sell certain goods or services for a price of more than a specified percent greater than the price charged by that person immediately prior to the proclamation. Makes that misdemeanor applicable for a period of a specified number of days. Makes that misdemeanor punishable by a specified fine.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 395 (Gabriel (D))	Holidays		Requires the governing board of a school district, a county office of education, or the governing body of a charter school to consider making efforts to avoid scheduling the first day of class and high school graduation on a date for which the governing board of the school district, the county office of education, or the governing body of the charter school knows, or has reason to	07/15/2025: In SENATE Committee on JUDICIARY: Not heard.

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			know, that members of the public would be unable to participate or be present due to a religious, cultural or ancestral holiday.	
CA AB 404 (Sanchez (R))	Environmental Quality Act: Exemption: Prescribed Fire		Relates to existing law, until January 1, 2028, which exempts from the requirements of CEQA prescribed fire, reforestation, habitat restoration, thinning, or fuel reduction projects, or related activities, undertaken, in whole or in part, on federal lands to reduce the risk of high-severity wildfire that have been reviewed under the federal National Environmental Policy Act. Extends the exemption and requirements on the lead agency indefinitely.	03/24/2025: In ASSEMBLY Committee on NATURAL RESOURCES: Not heard.
CA AB 410 (Wilson (D))	Bots: Disclosure		Requires a person who uses a bot to autonomously communicate with another to ensure that the bot discloses to any person with whom the bot communicates when the bot first communicates with the person that the bot is a bot and not a human being. Authorizes the Attorney General, a district attorney, a county counsel, a city attorney, or a city prosecutor to bring a civil action to punish noncompliance.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 426 (Dixon (R))	Impeding Emergency Response with Drone		Prohibits a person from operating or using an unmanned aerial vehicle, remote piloted aircraft, or drone at the scene of an emergency and thereby impeding firefighters, peace officers, medical personnel, military personnel, or other emergency personnel in the performance of their fire suppression, law enforcement, or emergency response duties, unless the person has a federal operational waiver. Authorizes the Attorney General or a county counsel or city attorney to bring civil action.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 430 (Alanis (R))	State Water Resources Control Board: Regulations		Provides that existing law provides that an emergency regulation adopted by the State Water Resources Control Board following a Governor's proclamation of a state of emergency based on drought conditions may remain in effect for up to one year and may be renewed under certain conditions. Requires the Board, within a specified number of days following a finding by the	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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			board that a nonfee emergency regulation is no longer necessary, to conduct a comprehensive economic study assessing the impacts.	
CA AB 434 (DeMaio (R))	Battery Energy Storage Facilities		Prohibits, until the specified date, a public agency from authorizing the construction of a battery energy storage facility. Requires the State Fire Marshal to adopt guidelines and minimum standards for the construction of a battery energy storage facility to prevent fires and protect nearby communities from any fire hazard posed by the facility. Requires an agency, when authorizing the construction of a facility, to require the facility to meet the guidelines and minimum standards adopted by the Marshal.	04/02/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on UTILITIES AND ENERGY.
CA AB 441 (Hadwick (R))	Wildfire Prevention: Office of Wildfire Technology		Provides that existing law establishes the Office of Wildfire Technology Research and Development within the Department of Forestry and Fire Protection to study, test, and advise regarding procurement of emerging technologies and tools in order to more effectively prevent and suppress wildfires within the State. Extends the repeal date of such provisions.	06/24/2025: From SENATE Committee on GOVERNMENTAL ORGANIZATION: Do pass to Committee on NATURAL RESOURCES AND WATER.
CA AB 442 (Hadwick (R))	Z'berg-Nejedly Forest Practice Act of 1973		Provides that under the Z'berg-Nejedly Forest Practice Act of 1973, the Legislature finds and declares the policy of the State to encourage prudent and responsible forest management of nonindustrial timberlands by approving working forest management plans in advance. Provides that existing law requires the harvest area of a working forest management plan to be contained within a single hydrological area. Deletes that requirement.	01/29/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 459 (DeMaio (R))	Initiatives: Qualification: Electronic Signatures		Relates to initiatives, referendums, or recall petitions. Requires the Secretary of State to develop a system that allows a proponent of a State or local initiative, referendum, or recall petition to have the petition posted on the Secretary of State's internet website	04/30/2025: In ASSEMBLY Committee on ELECTIONS: Reconsideration granted.

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			where a voter can electronically sign the petition. Requires the Secretary of State and elections officials to perform specified tasks in connection with the electronic circulation of petitions, including verifying the electronic signatures.	
CA AB 465 (Zbur (D))	Local Public Employees: Memoranda of Understanding		Requires, on or after the specified date, a memorandum of understanding between a public agency and a recognized employee organization to include specified provisions including, among other things, a provision providing for a system of progressive discipline that grants due process to an employee when they are disciplined, upon the request of the recognized employee organization.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 497 (Wilson (D))	Bay-Delta Estuary Water Quality Control Plan: Update		Requires the State Water Resources Control Board to adopt an update to the Bay-Delta Plan that addresses the Sacramento River and its tributaries, Sacramento-San Joaquin Delta eastside tributaries, and the Delta no later than a specified date. Exempts the board from the requirements to prepare, provide for review, transmit to state agencies, and include written or oral responses to comments on a specified draft substitute environmental document.	01/05/2026: In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
CA AB 501 (Papan (D))	Lawsuits, Liens, and Other Encumbrances		Prohibits a person from filing or recording, or directing another to file or record, a lawsuit, lien, or other encumbrance against any person or entity, knowing that it is false, with the intent to harass the person or entity or to influence or hinder the person in discharging their official duties if the person is a public officer or employee. Provides that a person who files a lawsuit, lien, or other encumbrance against a person or entity in violation of the prohibition is liable for a civil penalty.	01/29/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 502 (Pellerin (D))	Elections: Deceptive Media In Advertisements		Sets forth additional requirements relating to the color and font size of the disclosure's text. Exempts an election communication from the prohibition if the content includes a disclosure stating	09/08/2025: In SENATE. From third reading. To Inactive File.

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			that the communication has been generated or substantially altered using artificial intelligence. Exempts an advertisement or other election communication from these prohibitions if a reasonable person would understand that the content was satire or parody.	
CA AB 513 (Gonzalez Je (R))	California Global Warming Solutions Act of 2006: Plan		Requires the State Air Resources Board to include greenhouse gas emissions from wildlands and forest fires in the scoping plan of the California Global Warming Solutions Act of 2006.	02/24/2025: To ASSEMBLY Committee on NATURAL RESOURCES.
CA AB 514 (Petrie-Norris (D))	Water: Emergency Water Supplies	Sponsor/ Support	Provides that the Urban Water Management Planning Act requires every public and private urban water supplier that provides water for municipal purposes to prepare and adopt an urban water management plan. Relates to water shortage contingency plans. Declares that it is the established policy of the State to encourage the development of emergency water supplies by both local and regional water suppliers, and to support their use during times of drought or unplanned service or supply disruption.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 532 (Ransom (D))	Water Rate Assistance Program	Watch	Relates to the Low Income Household Water Assistance Program. Authorizes a public urban retail water supplier to provide water rate assistance to its ratepayers. Authorizes the assistance to be provided to certain eligible ratepayers, including residential ratepayers with a certain annual income. Requires an urban retail water supplier to include in a report to State Water Resources Control Board certain information regarding its assistance program. Requires the board to conduct a survey of such suppliers.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 550 (Petrie-Norris (D))	The California Endangered Species Act		Relates to the authorized take of certain species by certain entities. Provides that if an at-risk species becomes listed as an endangered, threatened, or candidate species, further	07/16/2025: In SENATE Committee on NATURAL RESOURCES AND WATER: Not heard.

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			authorization or approval shall not be required for a take of that species, if specified conditions are met, including that the potential listing of the at-risk species was anticipated in a permit previously issued by the Department of Fish and Wildlife for incidental take caused by a renewable electrical generation facility.	
CA AB 569 (Stefani (D))	California Public Employees' Pension Reform Act of 2013		Relates to the California Public Employees' Pension Reform Act of 2013. Authorizes a public employer to bargain over contributions for supplemental retirement benefits administered by, or on behalf of, an exclusive bargaining representative of one or more of the public employer's bargaining units, subject to certain limitations.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 582 (Pacheco (D))	Administrative Procedure Act		Makes a nonsubstantive change to provisions of the Administrative Procedure Act.	02/12/2025: INTRODUCED.
CA AB 596 (McKinnor (D))	Elections: Ballot Disclosures		Requires the Secretary of State to create an internet website or to use other available technology to consolidate information about each state ballot measure, including a list of the top 10 contributors supporting or opposing a measure. Requires the 3 largest contributors of \$100,000 or more to all committees that paid for the circulation of a statewide initiative or statewide referendum measure to also be printed on the ballot immediately following the names of the measure's supporters and opponents.	09/13/2025: In ASSEMBLY. Ordered to ASSEMBLY Unfinished Business Concurrence in Senate Amendments.
CA AB 599 (Connolly (D))	Hazardous Waste: Classification Standards		Requires the Department of Toxic Substances Control, if the department proposes to reclassify wastes or adopt alternative management standards for regulated waste, to take all necessary and authorized steps required by law to facilitate full public notification and review of state, regional, and local facility entitlements, to enable local community input regarding the	06/11/2025: To SENATE Committee on ENVIRONMENTAL QUALITY.

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			proposed changes to the classification of wastes or the alternative management standards.	
CA AB 609 (Wicks (D))	California Environmental Quality Act: Exemption		Exempts from the requirements of the California Environmental Quality Act a housing development project that meets certain conditions relating to, for example, size, density, and location, including specific requirements for any housing on the project site located within a certain number of feet of a freeway. Requires a local government, as a condition of approval for the development, to require the development proponent to complete a certain environmental assessment regarding hazardous substance releases.	05/19/2025: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 612 (Rogers (D))	Transportation: Highway Design Manual: Emergency		Requires the Department of Transportation, on or before specified date, to update the Highway Design Manual to direct local governments to consult with local fire departments when making road improvements to ensure the improvements do not negatively impact emergency response times.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 614 (Lee (D))	Claims Against Public Entities		Relates to the Government Claims Act. Requires a claim relating to any cause of action against a public entity to be presented not later than a specified time period after accrual of the cause of action, unless otherwise specified by law.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 623 (Dixon (R))	Fire Prevention: Fuel Modification or Reduction Project		Requires the California Environmental Protection Agency and the Natural Resources Agency to each report to the Legislature information on the implementation of the proclamation of emergency issued by the Governor on March 1, 2025 that suspends certain state statutes, rules, regulations, and requirements. Requires the California Coastal Commission to report to the Legislature certain information on fuel modification and reduction projects.	01/22/2026: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 626 (Papan (D))	Underground Storage Tanks: Design and Construction		Provides that existing law requires the owner or operator of an underground storage tank to permanently close that UST if the UST meets specified conditions. Exempts an operator from the tank closure requirement if the operator of a single walled UST is acting in good faith to comply with the requirement to upgrade to a double walled UST by the specified date and the operator meets specified conditions.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 638 (Rodriguez Ce (D))	Stormwater: Uses: Irrigation		Requires the State Water Resources Control Board, by the specified date, to develop recommendations for stormwater capture and use for the irrigation of urban public lands. Requires the recommendations to address, but not be limited to, opportunities for the use of captured stormwater for irrigation to offset the use of potable water and recommendations for, among other things, pathogens and pathogen indicators and total suspended solids. Requires the board to solicit and receive written public comment.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 643 (Wilson (D))	Climate Change: Short-Lived Climate Pollutants		Authorizes a local jurisdiction to include organic material used as a beneficial agricultural amendment towards its recovered organic waste procurement target if the material is processed at a facility authorized by the Department of Resources Recycling and Recovery using specified approved technologies, the material is licensed for end use as an agricultural fertilizer by the Department of Food and Agriculture, and the material is not derived from, or processed using, specified activities.	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 660 (Wilson (D))	Planning and Zoning Law: Postentitlement Phase Permits		Relates to the Planning and Zoning Law, which requires a local agency to compile lists that specify in detail the information required from any applicant for a postentitlement phase permit. Requires, if federal or State law requires review of the application by another public agency that is independent of the local agency before the agency is authorized to act on the application, certain	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			time limits to be tolled for the application until the agency completes the review and returns the application.	
CA AB 672 (Caloza (D))	Public Employment: Notifications		Provides that the Public Employment Relations Board has the power to investigate an unfair practice charge. Requires a plaintiff or petitioner filing a civil action seeking injunctive relief against a strike, work stoppage, or other labor action to serve a copy of the petition or complaint by electronic mail on the general counsel of PERB. Specifies that such provisions do not authorize a plaintiff or petitioner to seek relief in court without first exhausting administrative remedies before PERB.	08/25/2025: In SENATE. From third reading. To Inactive File.
CA AB 683 (Davies (R))	Business Entities: Limited Liability Companies		Authorizes a limited liability company to present a certification of the LLC's existence and authority to a licensed escrow agent, licensed real estate broker, and title insurance company or underwritten title company to establish the present existence of the LLC and identify those with authority to act on its behalf. Requires the certification of LLC existence to confirm specified facts or contain certain information. Requires the certification to be in the form of an acknowledged declaration.	01/29/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 706 (Aguilar-Curry (D))	Forest Organic Residue, Energy, and Safety		Establishes the Fire Fuel Reduction Program to support sufficient procurement, transport, and beneficial use of forest biomass waste to reduce fuel for wildfires by up to a specified number of bone-dry tons of forest biomass waste per year. Establishes the FOREST and Wildfire Prevention Fund. Requires the program to grant funding priority to Bioenergy Renewable Auction Mechanism Program and Bioenergy Market Adjusting Tariff Program fleets in operation on or before the specified date. Appropriates funds.	06/11/2025: To SENATE Committees on NATURAL RESOURCES AND WATER and ENERGY, UTILITIES AND COMMUNICATIONS.
CA AB 710 (Irwin (D))	Electricity: Advanced Metering Infrastructure		Requires the Public Utilities Commission, on or before a specified date, to require each electrical corporation to offer optional dynamic pricing tariffs. Requires the commission to	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			require each electrical corporation, and the governing board of each local publicly owned electric utility, on or before a specified date, to analyze the feasibility of deploying advanced metering infrastructure to all customers.	
CA AB 717 (Aguilar-Curry (D))	Water Rights: Appropriation: Small Restoration Use		Provides that the Water Rights Permitting Reform Act of 1988 authorizes any person to obtain a right to appropriate water for a small domestic, small irrigation, or livestock stockpond use, upon registering the use with the State Water Resources Control Board. Authorizes any person to also obtain a right to appropriate water for a small restoration use. Authorizes a person to apply for a restoration management permit from the Department of Fish and Wildlife.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 719 (Calderon (D))	County Emergency Plans		Requires each county to review and update its emergency plan at least every 2 years.	03/03/2025: To ASSEMBLY Committee on EMERGENCY MANAGEMENT.
CA AB 748 (Harabedian (D))	Single-Family and Multifamily Housing Units		Requires each local agency, to develop a program for the preapproval of single-family and multifamily residential housing plans, whereby the local agency accepts single-family and multifamily plan submissions for preapproval and approves or denies the preapproval applications. Requires a local agency to either approve or deny ministerially an application for a single-family or multifamily residential housing unit within 30 days if the lot meets certain conditions.	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 758 (DeMaio (R))	Wildfire: Vegetation Management		Requires the Department of Forestry and Fire Protection or a local entity to conduct an assessment of all undeveloped public lands for which it is primarily responsible for preventing and suppressing fires to ensure that the public land is not a severe fire hazard. Requires this assessment to be posted on the department's and local entity's internet website. Requires all of these lands, on	04/21/2025: In ASSEMBLY Committee on NATURAL RESOURCES: Failed passage.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			or before the specified date, to have firebreaks of a specified size on all borders with private property.	
CA AB 773 (Dixon (R))	Marine Resources: Copper-Based Antifouling Paint		Relates to the California Ocean Resources Stewardship Act of 2000. Requires the Department of Pesticide Regulation to complete a reevaluation of copper-based antifouling boat paint products, and to make the determination to retain, modify, or suspend its standards or to place new appropriate standards on the chemical composition or use of copper-based antifouling paints.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 775 (Fong M (D))	Behested Payments: Reporting		Provides that existing law requires certain behested payment reports to be filed by the behesting officer or member of the Public Utilities Commission with the officer's or member's agency. Requires these reports to be filed using the commission's electronic filing system for behested payment reports. Requires the filing system to issue an electronic confirmation to the filer immediately upon receipt of the report.	08/29/2025: In SENATE Committee on APPROPRIATIONS. Held in committee and made a Two-year bill.
CA AB 778 (Chen (R))	Local Agency Public Construction Act: Internet		Requires a local agency that maintains an internet website to post on its internet website specified information regarding payments for construction contracts. Exempts from specified provisions construction contracts valued below a specified amount. Prohibits a local agency that fails to comply with these provisions from withholding any retention proceeds from any remaining payment.	03/03/2025: To ASSEMBLY Committee on LOCAL GOVERNMENT.
CA AB 782 (Quirk-Silva (D))	Subdivisions: Security		Relates to the Subdivision Map Act. Prohibits the Real Estate Commissioner, in issuing a public report for a residential development or project, from requiring the furnishing of a security in connection with the performance of any act or agreement related to an improvement if the Real Estate Commissioner determines that security sufficient to protect the interests of purchasers, owners, and lessees, as necessary, has been furnished to a local agency for the same improvement pursuant to certain provisions.	09/12/2025: In SENATE. From third reading. To Inactive File.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 783 (Caloza (D))	Public Contracts: Construction Materials: Disaster		Authorizes the Department of General Services to negotiate and enter into contracts on a bid or negotiated basis for construction materials commonly used in residential structures that may include price discounts, rebates, refunds, or other strategies aimed at lowering the cost of these materials. Prohibits such provisions from being interpreted to require the department to store or distribute materials.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 794 (Gabriel (D))	California Safe Drinking Water Act	Oppose Unless Amended	Relates to the authority of the State Water Resources Control Board to administer emergency provisions relating to the regulation of drinking water. Authorizes a regulation to include monitoring requirements that are more stringent than federal requirements. Prohibits maximum contaminant levels and compliance dates for maximum contaminant levels adopted as part of an emergency regulation from being more stringent than regulations promulgated pursuant to the federal Safe Drinking Water Act.	06/12/2025: In ASSEMBLY. To Inactive File.
CA AB 810 (Irwin (D))	Local Government: Internet Websites and Email Addresses	Seek Amendments	Provides that existing law requires that a local agency that maintains public email addresses to ensure that each email address provided to its employees uses a .gov domain name or a .ca.gov domain name. Requires a city, county, or city and county to comply with specified domain requirements. Requires a special district, joint powers authority, or other political subdivision to comply with similar domain requirements no later than the specified date.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS. Held in committee and made a Two- year bill.
CA AB 816 (Flora (R))	Employment: Employees and Independent Contractors		Provides that existing law requires the ABC test to determine if workers are employees or independent contractors for purposes of the Labor Code, the Unemployment Insurance Code, and the wage orders of the Industrial Welfare Commission. Creates an exemption from the ABC test for a merchandiser contracting with a bona fide business or hiring entity to provide stand alone in	03/13/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on LABOR AND EMPLOYMENT.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			store inventory and product placement labor or services on behalf of retailers and brands in the consumer packaged goods industry.	
CA AB 846 (Connolly (D))	Endangered Species: Incidental Take: Wildfire		Authorizes a city, county, city and county, special district, or other local agency to submit to the Department of Fish and Wildlife a wildfire preparedness plan to conduct wildfire preparedness activities on land designated as a fire hazard severity zone that minimizes impacts to wildlife and habitat for candidate, threatened, and endangered species. Requires the department to impose a fee on a local agency for the cost of reviewing a wildfire preparedness plan submitted by that local agency.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 854 (Petrie-Norris (D))	California Environmental Quality Act: Exemptions		Exempts from the California Environmental Quality Act projects that consist of the inspection, maintenance, repair, restoration, reconditioning, reconductoring with advanced conductors, replacement, or removal of a transmission wire or cable used to conduct electricity or other piece of equipment that is directly attached to the wire or cable and that meet certain requirements. Requires the lead agency to file a notice of exemption with the Office of Land Use and Climate Innovation.	04/28/2025: In ASSEMBLY Committee on NATURAL RESOURCES: Not heard.
CA AB 859 (Macedo (R))	Civil Procedure: Recovery of Defense Costs		Relates to existing law whereby if the court determines that the proceeding was not brought in good faith or with reasonable cause, existing law requires the court to decide the reasonable and necessary defense costs incurred by party opposing the proceeding and to render judgment in favor of that party. Expands this provision to apply to a demurrer brought by a defendant or cross-defendant.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 872 (Rubio (D))	Environmental Health: Product Safety: Perfluoroalkyl	Oppose Unless Amended	Prohibits a person from distributing, selling, or offering for sale a covered product that contains intentionally added PFAS unless the Department of Toxic Substances Control has issued a regulatory response for the covered product pursuant to the Green	04/10/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			Chemistry Program or the prohibition is preempted by federal law. Authorizes a manufacturer of a covered product to petition the department to evaluate a covered product.	
CA AB 874 (Avila Farias (D))	Mitigation Fee Act: Development Impact Fees		Requires a local agency to provide a qualified residential rental project, with the option of either or both development impact fees set at a specified rate or a development impact fee deferral agreement loan, subject to certain requirements. Requires a local agency to provide a qualified residential ownership project, with the option of either or both development impact fees set at a specified rate or a development impact fee deferral agreement loan for each income-qualified homebuyer.	01/08/2026: In ASSEMBLY. Assembly Rule 56 suspended.
CA AB 883 (Lowenthal (D))	Data Brokers: Personal Information		Requires the Secretary of State to provide to the agency a list of all state or local elected officials that, if available, includes each official's personal information, as specified, would require the Judicial Council to provide the agency with a list of all California judges, and would require the agency to allow elected officials or a judges to remove their information from those lists; authorizes an elected official or judge who is on a list described above, the Attorney General, a county counsel.	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 897 (DeMaio (R))	Trespassing: Removal of Trespassers		Provides for the Remove Illegal Squatters from Private Property Act. Makes a person guilty of unlawful squatting when they enter upon the land or premises of another and reside on that land or premises for any period of time, knowingly acting without the knowledge or consent of the owner, rightful occupant, or an authorized representative of the owner. Requires a law enforcement agency that receives a complaint of a violation to issue a citation. Provides a means for the person to show lawful entry.	04/22/2025: In ASSEMBLY Committee on PUBLIC SAFETY: Failed passage.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 905 (Pacheco (D))	State General Obligation Bonds: Disclosure Requirements		Requires a bond act for any State general obligation bond measure that is approved by voters on and after the specified date to include specified information about the objectives of the bond expenditure and related data. Requires each State agency subject to these provisions to provide a written report to specified entities. Requires the report to include, among other information, whether the project, grant, or other expenditure of bond proceeds has been done in a timely manner.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 914 (Garcia Ro (D))	Air Pollution: Indirect Sources		Relates to vehicle emissions and toxic air contaminants. Requires the State Air Resources Board, for a given toxic air contaminant or airborne toxic control measure, to adopt and enforce rules and regulations applicable to indirect sources of emissions. Requires the board to establish a schedule of fees on facilities and mobile sources to cover the reasonable costs of implementing and enforcing the regulations and requires the fees to be deposited in the Air Pollution Control Fund.	06/02/2025: In ASSEMBLY. To Inactive File.
CA AB 921 (Castillo (R))	Generators: Air Pollution Regulation: Sales and Use Tax		Provides an exemption from the taxes imposed by the Sales and Use Tax Law for the gross receipts of a qualified backup electricity generator, during the specified month. Restricts the exemption to apply only to those generators with a cost not exceeding a specified amount and purchased for noncommercial purposes.	01/05/2026: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
CA AB 924 (Davies (R))	Leases: Termination of Tenancy: Abuse or Violence		Requires a landlord to pay a calculated share of the security deposit, as provided, to the tenant who terminated tenancy according to the specified provisions if there are multiple tenants on the lease and a tenant states in their written notice that they are terminating tenancy because another tenant committed the specified crime.	03/03/2025: To ASSEMBLY Committee on JUDICIARY.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 929 (Connolly (D))	Sustainable Groundwater Management: Managed Wetlands		Prohibits a groundwater sustainability agency from imposing a fee upon a small community water system serving a disadvantaged community or imposing a fee for managed wetland purposes, provided the water use for each user does not increase above what was historically required. Authorizes, if a small community water system or a managed wetland extractor increases its extraction of groundwater above what was historically required, an agency to impose a fee for the usage above the historical amount.	09/10/2025: In SENATE. From third reading. To Inactive File.
CA AB 939 (Schultz (D))	Housing Development: Density Bonuses		Relates to the Density Bonus Law. Allows the applicant and the city, county, or city and county to comply with the specified affordability requirements with respect to a for-sale unit by ensuring that the unit is purchased by a nonprofit corporation, for properties to be sold to and occupied by extremely low, very low, or lower income families who participate in a below-market interest rate loan program.	01/29/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 942 (Calderon (D))	Electricity: Climate Credits		Excludes residential customers from receiving the California Climate Credit if they are not enrolled in the California Alternate Rates for Energy Program or the Family Electric Rate Assistance Program and their total electricity bills for the previous year were less than a specified amount.	08/29/2025: From SENATE Committee on APPROPRIATIONS: Do pass to Committee on RULES.
CA AB 945 (Fong M (D))	Density Bonus Law: Incentives and Concessions: Housing		Requires a city or county to grant additional incentives or concessions when an applicant proposes to construct a green housing development, as defined. Requires that the number of incentives or concessions granted initially be set to 3. Requires the Department of Housing and Community Development (HCD), as specified, to evaluate and report on the number and type of units and developments entitled, permitted, and constructed pursuant to these provisions.	03/10/2025: To ASSEMBLY Committee on LOCAL GOVERNMENT.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 946 (Bryan (D))	Natural Resources: Urban Nature-based Projects		Provides that, to advance and promote environmental, conservation, and public access policies and budget actions, the Governor's office, state agencies, and the Legislature, when distributing resources, shall aspire to recognize the coequal goals and benefits of the 30x30 goal and the Outdoors for All initiative, and, to the extent practical, maximize investment in historically underserved urban communities consistent with those initiatives.	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 950 (Solache (D))	Political Reform Act of 1974: Advertisements		Establishes the Billboard DISCLOSE Act. Relates to political advertisements. Provides that for certain video, print, electronic media or text message advertisements, existing law permits the name of the committee that paid for the advertisement to be shortened. Clarifies that a print advertisement includes a yard sign or a billboard and an electronic media advertisement means a graphic, image, animated graphic or animated image that an online platform allows to link to a website paid for by the committee.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 956 (Quirk-Silva (D))	Accessory Dwelling Units: Ministerial Approval		Provides that the Planning and Zoning Law provided for the creation by local ordinance, or by ministerial approval if a local agency has not adopted an ordinance, of accessory dwelling units in areas zoned for single family or multifamily dwelling residential use in accordance with specified standards and conditions. Increases the number of detached, new construction, accessory dwelling units that a local agency is required to ministerially approve on lots with a proposed or existing single family dwelling.	06/24/2025: In SENATE Committee on HOUSING: Not heard.
CA AB 964 (Hadwick (R))	Commission on State Mandates: State Mandates		Relates to the Commission on State Mandates. Provides that existing law establishes procedures for implementing the requirement that the State reimburse local agencies and school districts for certain costs. Provides that existing law makes a reimbursement claim filed by a local agency or district subject to an audit by the Controller. Requires the Controller to allow an	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			agency or district, at the discretion of the agency or district, to offset any reduced reimbursement or to remit funds to the Controller.	
CA AB 990 (Hadwick (R))	Public Water Systems: Emergency Notification Plan		Authorizes and encourages a public water system to provide notification to water users in their preferred language when updating the emergency notification plan, if resources are available.	06/30/2025: In SENATE. From third reading. To Inactive File.
CA AB 1001 (Rubio (D))	Drought		Makes a nonsubstantive change to existing law which authorizes an implementing agency to provide advance payment of up to 25% of grant funds awarded to public agencies, nonprofit organizations, public utilities, mobilehome parks, mutual water companies, farmers and ranchers, federally recognized California Native American tribes, nonfederally recognized Native American tribes on the contact list maintained by the Native American Heritage Commission for specified purposes.	02/20/2025: INTRODUCED.
CA AB 1015 (Patel (D))	Discrimination and Harassment Prevention Training		Authorizes an employer to satisfy the discrimination and harassment prevention training requirements by demonstrating that the employee possesses a certificate of completion within the past 2 years.	03/10/2025: To ASSEMBLY Committee on LABOR AND EMPLOYMENT.
CA AB 1018 (Bauer-Kahan (D))	Automated Decision Systems		Requires a deployer of a covered automated decision system to take certain actions, including conduct impact assessments of the covered ADS and provide deployers to whom the developer transfers the covered ADS with certain information, including a high-level summary of the results of those impact assessments.	09/13/2025: In SENATE. From third reading. To Inactive File.
CA AB 1020 (Schiavo (D))	Public Utilities: Energy: Taxpayer Funding: Reporting		Requires each utility, defined as an investor-owned electrical corporation or gas corporation, to report certain information for any taxpayer funding greater than or equal to a specified dollar amount that the utility has applied for or received. Requires the commission, for each application in which a utility is seeking	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			ratepayer funding, to require the utility to report all relevant taxpayer funding greater than or equal to a specified amount that the utility is pursuing or has secured.	
CA AB 1033 (Lackey (R))	Eminent Domain: Appraisals: Compensation		Provides that the Eminent Domain Law authorizes a public entity to exercise the power of eminent domain to acquire property for a public use. Provides that existing law requires a public entity to pay reasonable costs, not to exceed a specified amount, of an independent appraisal ordered by the owner of a property that the public entity offers to purchase under the threat of eminent domain. Increases the limitation on the reasonable costs of an independent appraisal to a specified amount.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 1040 (Essayli (R))	Elections: Residency: Displacement by Disaster		Provides that a person who leaves their home for temporary purposes because of a natural disaster, and who intends to return to that home or to another address within the same jurisdiction, does not lose their domicile at that home.	03/10/2025: To ASSEMBLY Committee on ELECTIONS.
CA AB 1044 (Macedo (R))	Tule East Groundwater Sustainability Agency Act		Creates the Tule East Groundwater Sustainability Agency. Requires the Tule East Groundwater Sustainability Agency to elect to be a groundwater sustainability agency under the Sustainable Groundwater Management Act for that portion of the Tule Subbasin that lies within the boundaries of the agency and requires the agency to develop and implement a groundwater sustainability plan to achieve sustainable groundwater management within the territory of the agency.	06/09/2025: In ASSEMBLY. To Inactive File.
CA AB 1048 (Chen (R))	Workers Compensation		Provides that existing law requires each employer to establish a utilization review process to review and approve, modify, or deny treatment recommendations and establishes an independent medical review process to resolve disputes over a utilization review decision. Requires a request for authorization of medical services by a physician to be signed by that physician, and would authorize a request to be sent via mail, fax, or electronic methods.	01/22/2026: In SENATE. Read second time and amended. Re-referred to Committee on RULES.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1054 (Gipson (D))	Public Employees Retirement: Deferred Retirement Option		Establishes the Deferred Retirement Option Program as a voluntary program within the Public Employees Retirement System for employees of State Bargaining Units 5 (Highway Patrol) and 8 (Firefighters). Requires certain actions to occur, including completion of an actuarial analysis to determine the proposed program will be cost neutral, before the program becomes effective and applicable. Requires members who elect to participate in the program to meet certain requirements.	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 1055 (Boerner (D))	Accessory Dwelling Units		Provides that the Planning and Zoning Law provides for the creation of an accessory dwelling unit by local ordinance or, if a local agency has not adopted an ordinance, by ministerial approval, in accordance with specified standards. Authorizes a local agency to require the property owner to certify that the accessory dwelling unit will be occupied as a residential dwelling unit for at least a specified number of months out of each calendar year.	04/24/2025: In ASSEMBLY Committee on HOUSING AND COMMUNITY DEVELOPMENT: Not heard.
CA AB 1060 (Avila Farias (D))	School Construction: School Wellness Centers		Requires all new construction projects submitted to the Division of the State Architect pursuant to the Greene Act to include a dedicated space to be used as a school wellness center that is required to be used to provide health support and resource referrals for pupils and staff.	01/05/2026: In ASSEMBLY. Suspend Assembly Rule 96.
CA AB 1070 (Ward (D))	Residential Developments: Building Standards: Review		Requires the Department of Housing and Community Development to convene a working group no later than a specified date, to research and consider identifying and recommending amendments to state building standards allowing residential developments of between 3 and 10 units to be built under the requirements of the California Residential Code, as specified. Requires the department to perform a review of construction cost pressures for single-family and multifamily residential construction.	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1073 (Avila Farias (D))	Employment Development Department: Disclosure of Wage		Requires the Employment Development Department to release an employee's wage information to a qualified third-party vendor if the employee has provided the department written permission for that release. Requires the department to allow, at the request of the employee, the electronic transmission of the employee's wage information directly to or through a qualified third-party vendor for permissible uses.	01/05/2026: In ASSEMBLY. Suspend Assembly Rule 96.
CA AB 1083 (Connolly (D))	California Environmental Quality Act		Requires a lead agency, as defined, to prepare, or cause to be prepared, and certify the completion of an environmental impact report (EIR) on a project that it proposes to carry out or approve that may have a significant effect on the environment or to adopt a negative declaration if it finds that the project will not have that effect.	09/13/2025: In ASSEMBLY. Coauthors revised.
CA AB 1102 (Boerner (D))	Sea Level Rise and Groundwater Rise: Contaminated Sites		Provides that under existing law, the Department of Toxic Substances Control generally regulates the management and handling of hazardous substances, materials, and waste. Requires, on or before the specified date, the department and the State Water Resources Control Board to submit a report to the Legislature that includes specified information, including information relating to all contaminated sites that are vulnerable to sea level rise and groundwater rise.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1106 (Rodriguez Mi (D))	State Air Resources Board: Regional Air Quality		Requires the State Air Resources Board to expand its incident air monitoring program, subject to an appropriation by the Legislature for those purposes, to provide support for a regional network of air quality incident response centers operated by air districts, including at least one located in the South Coast Air Quality Management District, in order to facilitate emergency air monitoring response at the local and regional level.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1109 (Kalra (D))	Evidentiary Privileges: Union Agent-Represented		Establishes a privilege between a union agent and a represented employee or represented former employee to refuse to disclose any confidential communication between the employee or former employee and the union agent made while the union agent was acting in the union agent's representative capacity, except as specified. Permits a represented employee or represented former employee to prevent another person from disclosing a privileged communication.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 1146 (Papan (D))	Water Infrastructure: Dams and Reservoirs		Prohibits the release of stored water from a reservoir owned and operated by the U.S. in the State if the release is done under false pretenses, defined as a release of water from a reservoir owned and operated by the U.S. in a manner that is knowingly, designedly, and intentionally under any false or fraudulent representation as to the purpose and intended use of the water. Authorizes the State Water Resources Control Board or the Attorney General to bring an action for injunctive relief for a violation.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 1159 (Addis (D))	Student Personal Information		Applies the provisions of the K-12 Pupil Online Personal Information Protection Act and the Early Learning Personal Information Protection Act to an operator of a website, online service, online application, or mobile application with actual knowledge that the site, service, or application is used for the applicable school purposes and was designed or marketed for those purposes. Enacts the Higher Education Student Information Protection Act. Authorizes a harmed student or pupil to bring a civil action.	01/26/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 1163 (Elhawary (D))	Employees: Workplace Violence Prevention Plans		Requires the State Department of Education to develop a deescalation training and make it publicly available on its internet website. Requires a school district, county office of education, charter school, or community college to, for employees who regularly interact with pupils or students, require training on	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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			deescalation techniques designed to minimize the likelihood of pupils or students committing violent acts.	
CA AB 1164 (Ransom (D))	Elections: Voter Bill of Rights		Provides that existing law requires a Voter Bill of Rights to be printed in the State Voter Information Guide and to be included on posters provided to each precinct. Requires the Voter Bill of Rights to inform voters that they have the right to receive a new ballot if they do not have a ballot or their ballot has been damaged.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 1176 (Flora (R))	Energy: Renewable Energy Resources Program		Includes as a renewable electrical generation facility for purposes of the renewable energy resources program a facility that commenced initial commercial operation on January 1, 2005. Makes nonsubstantive changes.	03/13/2025: To ASSEMBLY Committees on UTILITIES AND ENERGY and NATURAL RESOURCES.
CA AB 1183 (Lowenthal (D))	Residential Tenancy: Habitability: Inspection		Authorizes the landlord of a dwelling unit to elect to have an inspection performed to verify that the dwelling unit satisfies the specified habitability requirements before it is made available for hire. Establishes a presumption that, if the landlord has an inspection performed showing no violation of the habitability requirements, the dwelling unit meets that standard for an unspecified period of time.	03/28/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on JUDICIARY.
CA AB 1191 (Tangipa (R))	Renewables Portfolio Standard Program: Hydro Generation		Revises the definition of an eligible renewable energy resource for the purposes of the State Renewables Portfolio Standard Program to include all hydroelectric generating facilities.	04/02/2025: In ASSEMBLY Committee on UTILITIES AND ENERGY: Reconsideration granted.
CA AB 1198 (Haney (D))	Public Works: Prevailing Wages		Provides that existing law requires that, except as specified, not less than the general prevailing rate of per diem wages, determined by the Director of Industrial Relations, be paid to workers employed on public works projects. Exempts certain housing projects from certain provisions, including, among others, projects that are restricted by deed or subject to regulatory	01/29/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.

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			restrictions contained in an agreement with a governmental agency or other recorded document.	
CA AB 1203 (Ahrens (D))	Water Conservation: Water Wise Designation		Requires the Department of Water Resources and the Office of Community Partnerships and Strategic Communications to include, within the Save Our Water Campaign, a statewide water wise designation to be awarded to businesses in the commercial, industrial, and institutional water use sector that meet or exceed the recommendations for CII water use best management practices.	03/10/2025: To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
CA AB 1206 (Harabedian (D))	Single Family and Multifamily Housing Units		Provides that existing law requires the planning agency of a city or county to provide an annual report to, among other entities, the Office of Land Use and Climate Innovation. Provides that existing law requires the annual report to include, among other things, the city's or county's progress in meeting its share of regional housing needs. Requires, for large and small jurisdictions, the agency to include the number of units of residential housing that are approved using a preapproved housing plan.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 1221 (Bryan (D))	Workplace Surveillance Tools		Regulates the use of workplace surveillance tools and an employer's use of worker data. Prohibits an employer from using a workplace surveillance tool to infer specified categories of information about a worker, including, among others, their immigration status, veteran status, ancestral history, religious or political beliefs, disability status, criminal record, or credit history. Authorizes an employee to bring a civil action for specified remedies for a violation of such provisions.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1226 (Essayli (R))	Air Quality: Wildland Vegetation Management Burning		Requires the State Air Resources Board to designate public fire protection agencies to oversee agricultural burning activities and to adopt rules and regulations to ensure those activities are conducted safely and effectively. Exempts wildland vegetation	04/11/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.

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			management burning from the specified permit requirement if that activity is conducted by, or under the supervision of, the applicable agency designated by the State Board. Requires the State Board to develop guidelines and best practices.	
CA AB 1227 (Essayli (R))	Wildfire Safety: Fuels Reduction Projects		Requires the lead agency to hold a noticed public meeting to hear and respond to public comments before determining that a project is exempt and would require the lead agency to provide notice of the public meeting on its internet website at least 30 days before the public meeting. Requires the lead agency, if it determines that a project is not subject to CEQA and approves or carries out that project, to file a notice of exemption with the Office of Land Use and Climate Innovation.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 1232 (Avila Farias (D))	Administrative Procedure Act: Proposed Regulations		Provides that existing law requires a State agency proposing to adopt, amend, or repeal a regulation that is not a major regulation to prepare an economic impact assessment that includes to what extent the regulation will affects specified factors, including the creation or elimination of jobs within the State. Requires the assessment for nonmajor regulations to include to what extent it will affect the cost of living impacts on residents of the State.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1234 (Ortega (D))	Employment: Nonpayment of Wages: Complaints		Provides that existing law authorizes the Labor Commissioner to investigate employee complaints and to provide for a hearing in any action to recover wages, penalties, and other demands for compensation. Authorizes the Labor Commissioner, in an order, decision, or award granted pursuant to specified provisions, to impose an administrative fee of up to a specified percent of the award. Requires the administrative fee to be deposited into the Wage Recovery Fund.	09/03/2025: In SENATE. From third reading. To Inactive File.
CA AB 1240 (Lee (D))	Single Family Residential Real Property: Corporate		Prohibits a business entity that has an interest in more than a specified number of single family residential properties from purchasing, acquiring, or otherwise obtaining an ownership	06/19/2025: In SENATE. Read second time and amended. Re-referred to Committee on JUDICIARY.

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			interest in another single family residential property and subsequently leasing the property. Authorizes the Attorney General to bring a civil action for a violation of these provisions. Requires a court in a civil action in which the Attorney General prevails to order specified relief, including civil penalties.	
CA AB 1242 (Nguyen (D))	Language Access		Relates to the Dymally-Alatorre Bilingual Services Act. Revises the definition of substantial number of non-English-speaking people to include the higher of either the people served by or eligible to be served by a State agency. Requires the State Health and Human Services Agency to designate a Language Access Director to ensure individuals with limited English proficiency and individuals who are deaf or hard of hearing have meaningful access to government programs and services.	08/29/2025: In SENATE Committee on APPROPRIATIONS. Held in committee and made a Two-year bill.
CA AB 1243 (Addis (D))	Polluters Pay Climate Superfund Act of 2025		Enacts the Polluters Pay Climate Superfund Act of 2025. Establishes the Polluters Pay Climate Superfund Program to be administered by the Environmental Protection Agency to require fossil fuel polluters to pay their fair share of the damage caused by greenhouse gases released into the atmosphere. Requires the collected cost recovery demands to be deposited in the Superfund. Requires all interest earned on moneys that have been deposited into the fund to be retained in the fund for specified uses.	04/29/2025: In ASSEMBLY Committee on JUDICIARY: Not heard.
CA AB 1245 (Stefani (D))	State Contracts: Forced Labor and Human Trafficking		Provides that for a contract entered into or renewed on or after a specified date, with an estimated value that exceeds a specified amount, revise the specified contracting requirements to also require a contractor to certify that the contract complies with specified requirements relating to human trafficking, including certain prohibitions on contractors, contractor employees, subcontractors, subcontractor employees, and their agents.	01/29/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 1248 (Haney (D))	Hiring of Real Property: Fees and Charges		Requires a landlord or landlord's agent who advertises, displays, or offers residential property for rent to include in any	06/03/2025: In ASSEMBLY. To Inactive File.

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			advertisement, display, or offer the price, including all required fees or charges, and a description of all available optional housing services, including associated fees for each optional housing service. Prohibits a landlord from using a ratio utility billing system to allocate, demand, or collect fees or charges from a tenant, except for fees or charges for water or sewer service.	
CA AB 1259 (Essayli (R))	Vote by Mail Systems		Relates to vote by mail systems. Requires the Secretary of State to publish a report stating whether a system has been certified, conditionally approved, or denied certification publicly available within 60 days after the completion of an examination.	03/10/2025: To ASSEMBLY Committee on ELECTIONS.
CA AB 1260 (Ward (D))	Electricity: Renewable Energy Subscription Programs		Imposes additional requirements that the program is required to meet, including requiring facilities participating in the program to have no more than 5 megawatts of generation capacity and no more than 5 megawatts of storage, and capping the total program capacity at 5 gigawatts or ending program subscription after 7 years, when either limit is first reached.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1266 (Solache (D))	Air Districts: Administrative Rulemaking		Provides that existing law requires State agencies, in adopting, amending, or repealing a major regulation, to prepare a standardized regulatory impact analysis. Requires certain air districts with jurisdiction over a geographic area with a certain population size, in adopting, amending, or repealing major regulations, to prepare the standardized regulatory impact analysis.	03/28/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
CA AB 1276 (Carrillo J (D))	Housing Developments: Ordinances		Relates to the Permit Streamlining Act. Provides that a housing development project or emergency shelter shall be deemed consistent, compliant, and in conformity with an applicable plan, program, policy, ordinance, standard, requirement, or other similar provision adopted or implemented by a public agency if there is substantial evidence that would allow a reasonable person	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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			to conclude that the project or emergency shelter is consistent, compliant, or in conformity, with specified exceptions.	
CA AB 1284 (Assembly Emergency Management Committee)	Emergency Services: Catastrophic Plans		Requires the Office of Emergency Services (OES) to develop state recovery frameworks for California's catastrophic plans, as provided. Requires the governing body of a political subdivision, as defined, to develop regional recovery frameworks for California's catastrophic plans and would require OES to provide technical assistance in this regard.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1294 (Haney (D))	Planning and Zoning: Housing Development		Requires that an application for a housing entitlement be deemed complete upon payment of the permit processing fees and upon completing specified requirements. Requires the Department of Housing and Community Development to adopt a standardized application form that applicants for a housing entitlement may use. Requires the department to adopt emergency regulations to implement certain requirements. Exempts these emergency regulations from being required to make a finding of emergency or necessity.	07/16/2025: In SENATE Committee on LOCAL GOVERNMENT: Not heard.
CA AB 1295 (Patterson J (R))	Public Utilities: Bills and Notices: Consolidation		Requires the Public Utilities Commission to evaluate all customer billing and noticing requirements existing on the specified date that apply to gas or electric utilities, and to identify and consider potential avenues to consolidate and enhance billing transparency, including avenues that clearly show the source and value of each charge within each customer's bill and use the most cost effective communications channels.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1313 (Papan (D))	Water Quality: Permits		Requires the State Water Resources Control Board, after making the necessary residual designation authority findings, to establish a statewide commercial, industrial, and institutional National Pollutant Discharge Elimination System order for properties with a specified number of acres or more of impervious surface. Requires the NPDES order to include multiple compliance	06/04/2025: In ASSEMBLY. To Inactive File.

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			options for discharges to select and comply with to be deemed in compliance with applicable water quality based effluent limitations.	
CA AB 1331 (Elhawary (D))	Workplace Surveillance		Limits the use of workplace surveillance tools by employers, including by prohibiting an employer from monitoring or surveilling workers in employee-only, employer-designated areas. Provides workers with the right to leave behind workplace surveillance tools that are on their person or in their possession during off-duty hours. Prohibits a worker from removing or physically tampering with any component of a workplace surveillance tool that is part of or embedded in employer equipment or vehicles.	09/13/2025: In SENATE. From third reading. To Inactive File.
CA AB 1337 (Ward (D))	Information Practices Act of 1977		Provides that the Information Practices Act of 1977 prescribes a set of requirements, prohibitions, and remedies applicable to agencies with regard to their collection, storage, and disclosure of personal information. Prohibits an agency from using records containing personal information for any purpose or purposes other than the purpose or purposes for which that personal information was collected, except as required or authorized by State law.	07/15/2025: In SENATE Committee on JUDICIARY: Reconsideration granted.
CA AB 1353 (Haney (D))	State Real Property: Office Space: Consolidation		Requires, by the specified date, the Department of General Services to conduct an audit of the utilization of State office buildings to determine opportunities to consolidate the square footage of office space given to a State agency. Authorizes and requires the department, in accordance with the findings of the audit, to consolidate space within a State office building at the suite, floor, and building level.	03/28/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on GOVERNMENTAL ORGANIZATION.
CA AB 1355 (Ward (D))	Location Privacy		Relates to the State Consumer Privacy Act of 2018 and the State Privacy Rights Act of 2020. Prohibits a covered entity from collecting or processing the location information of an individual unless doing so is necessary to provide goods or services	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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			requested by that individual. Makes a covered entity that violates these provisions liable for actual or statutory damages and other specified relief. Authorizes the Attorney General or other public prosecutors to bring an action to recover a civil penalty.	
CA AB 1358 (Valencia (D))	Santa Ana River Conservancy Program: Lower Santa Ana		Provides that existing law authorizes the State Coastal Conservancy to fund projects to implement site improvements, upgrade deteriorating facilities or construct new facilities for outdoor recreation, public access, nature appreciation, and historic and cultural preservation. Requires at least a specified percent of such funds to be for projects in heavily urbanized areas of the lower Santa Ana River region to benefit disadvantaged communities, severely disadvantaged communities or vulnerable populations.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1367 (Gallagher (R))	The California Water Plan: Water Storage		Requires the Department of Water Resources to amend The California Water Plan to state that water storage is the preferred method to be used by the State to meet increased water demands by urban, agricultural, and environmental interests.	03/13/2025: To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
CA AB 1371 (Sharp-Collins (D))	Occupational Safety and Health: Employee Refusal		Allows an employee, acting in good faith, to refuse to perform a task assigned by an employer if it would violate safety standards or if the employee has a reasonable apprehension that the performance of the assigned task would result in injury or illness to the employee or other employees.	03/13/2025: To ASSEMBLY Committee on LABOR AND EMPLOYMENT.
CA AB 1372 (Papan (D))	Renewable Electrical Generation Facilities		Provides that existing law requires every electric utility to develop a standard contract or tariff providing for net energy metering, and to make this standard contract or tariff available to eligible customer generators using renewable electrical generation facilities. Includes the regenerative braking from electric trains as a renewable electrical generation facility for those purposes. Repeals certain provisions.	01/15/2026: In ASSEMBLY. Coauthors revised.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1383 (McKinnor (D))	Public Employees Retirement Benefits: Safety Members		Provides that existing law, the Teachers' Retirement Law, establishes the State Teachers' Retirement System (STRS) and creates the Defined Benefit Program of the State Teachers' Retirement Plan. Requires a retirement system subject to PEPRA to adjust pensionable compensation limits to be consistent with specified percentages of the contribution and benefit base under the specified federal law with respect to old age, survivors, and disability insurance benefits.	01/29/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 1385 (Petric-Norris (D))	Unlawfully Restrictive Covenants: Housing Developments		Provides that the State Emergency Services Act authorizes the Governor to proclaim a state of emergency when specified conditions of disaster or extreme peril exist. Makes a recorded restrictive covenant unenforceable against the owner of an affordable housing development to apply to a development located on property that is the subject of a recorded restrictive covenant and is located within a county subject to the state of emergency related to the Palisades Fire and windstorm conditions.	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA AB 1394 (Wallis (R))	Personal Opioid Drug Deactivation and Disposal System		Provides that existing law requires the Department of Public Health to award naloxone grant funding to local health departments, local government agencies, or others to reduce the rate of fatal overdose from opioids. Requires the department to establish a program to distribute personal opioid drug deactivation and disposal systems to individuals to encourage safe and environmentally responsible disposal practices and mitigate risks associated with unused or expired prescription and illicit opioids.	04/01/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on HEALTH.
CA AB 1395 (Harabedian (D))	Forestry: Internal Combustion Engines: Industrial		Relates to industrial operations located on or near any forest, brush, or grass-covered land. Requires a dedicated set of tools, including a sufficient number of fire extinguishers, to be located within the operating area and accessible in the event of a fire, so that, when added to any other tools on the industrial operation, each employee at the operation can be equipped to fight fire.	04/28/2025: From ASSEMBLY Committee on NATURAL RESOURCES: Do pass to Committee on APPROPRIATIONS.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1404 (Ortega (D))	Electrical Corporations: Connections		Requires an electrical corporation to connect an affordable housing project to the electrical distribution grid within a specified number of days, with specified exceptions. Requires the Public Utilities Commission to streamline any necessary review on an affordable housing project that is ready to connect but sitting vacant and that has not been connected by an electrical corporation within the required specified number of days. Repeals these provisions on the specified date.	04/21/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on UTILITIES AND ENERGY.
CA AB 1413 (Papan (D))	Sustainable Groundwater Management Act: Groundwater		Provides that existing law requires a groundwater sustainability agency to evaluate its groundwater sustainability plan periodically. Requires a groundwater sustainability agency to, at least once every 7 years, review, and update if appropriate, its sustainable yield to ensure that the sustainable yield is based on the best available information and best available science, as defined, and will achieve sustainable groundwater management.	09/09/2025: In SENATE. From third reading. To Inactive File.
CA AB 1420 (Ta (R))	Surplus Land		Requires the report requiring each state agency, each year, to make a review of all proprietary state lands over which it has jurisdiction to determine what land is in excess of its foreseeable needs to include land that is not currently being utilized, or is currently being underutilized by the state agency for any ongoing state program regardless of whether the agency is currently prepared to dispose of the land by sale or otherwise.	05/23/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1421 (Wilson (D))	Vehicles: Road Usage Charge Technical Advisory		Requires the commission, in consultation with the Transportation Agency, to consolidate and prepare research and recommendations related to a road user charge or a mileage-based fee system. Requires the commission to submit a report, as specified, on the research and recommendations described above to the appropriate policy and fiscal committees of the Legislature by no later than January 1, 2027.	01/29/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1439 (Garcia Ro (D))	Public Retirement Systems: Development Projects: Labor		Requires the boards of Public Employees' Retirement System (PERS) and the State Teachers' Retirement System (STRS) to contract with the University of California Labor Centers to conduct an independent study to determine the impacts on public employee retirement funds of prohibiting the board of a public pension or retirement system, as defined, from investing in development projects in California that do not provide labor standards protections for workers.	01/29/2026: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE.
CA AB 1444 (Flora (R))	Publication: Newspapers of General Circulation		Requires any public notice that is legally required to be published in a newspaper of general circulation to be published in the newspaper's print publication, on the newspaper's internet website or electronic newspaper available on the internet, and on the statewide internet website maintained as a repository for notices by a majority of California newspapers of general circulation, as specified.	06/04/2025: In ASSEMBLY. To Inactive File.
CA AB 1447 (Gipson (D))	Unclaimed Property: Notice		Relates to the Unclaimed Property Law. Provides that existing law requires the Controller to mail a notice to each person who appears to be entitled to property valued at a specified dollar amount or more and whose address is listed in a specified report or is obtained from the Franchise Tax Board. Specifies that if the address listed in the report is not a valid deliverable address, but the Controller identifies a corrected valid address, the Controller must mail the notice to the corrected address.	08/18/2025: In ASSEMBLY. Ordered returned to SENATE. *****To SENATE.
CA AB 1452 (Ta (R))	State Mandates: Claims		Lowers the minimum claim amount that a local government can request under a state mandate to a specified sum.	03/13/2025: To ASSEMBLY Committee on LOCAL GOVERNMENT.
CA AB 1456 (Bryan (D))	California Environmental Quality Act		Requires the Board of Forestry and Fire Protection to update the Vegetation Treatment Program Final Program Environmental Impact Report (FPEIR) to expand the area that is treatable landscape under the FPEIR to portions of the State suitable for	08/29/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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			vegetation treatment consistent with the FPEIR, regardless of fire suppression responsibility designation, and recognize cultural burning as a covered treatment activity. Authorizes a public agency to partner with a federally recognized State Native American tribe.	
CA AB 1457 (Bryan (D))	Wildfires: Training: Defensible Space: Inspections		Provides that existing law requires the Director of Forestry and Fire Protection to establish a statewide program to allow certain persons and entities that have completed specific training developed by the Department of Forestry and Fire Protection to support certain efforts. Extends the operation of the program indefinitely. Requires the training to include training consistent with the Home Ignition Zone/Defensible Space Inspector course plan.	09/08/2025: In SENATE. From third reading. To Inactive File.
CA AB 1467 (Hoover (R))	Residential Property Insurance: Tree Fire Risks		Exempts a residential property insurance policyholder from State and local laws, ordinances, fees, and fines associated with the removal of a tree if their insurer identifies the tree as a fire risk and the Department of Forestry and Fire Protection confirms that the tree is a fire risk.	03/13/2025: To ASSEMBLY Committee on INSURANCE.
CA AB 1469 (Hart (D))	Disaster Preparedness: Public Water Systems		Makes nonsubstantive changes to provisions of the California Emergency Services Act relating to public water systems.	02/21/2025: INTRODUCED.
CA AB 1480 (Valencia (D))	Local Government: County of Orange		Requires the local official in the County of Orange charged with the authority to execute decisions on the Orange County Investment Fund who is elected or appointed on or after the specified date to meet the same minimum qualifications of the Treasurer Tax Collector of the County of Orange.	03/28/2025: In ASSEMBLY. Read second time and amended. Re-referred to Committee on LOCAL GOVERNMENT.
CA AB 1492 (Flora (R))	Elections: Vote by Mail Voters		Makes a nonsubstantive change to existing law which defines a vote by mail voter.	02/21/2025: INTRODUCED.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1499 (Essayli (R))	Vehicles: Accident Reports		Makes technical, nonsubstantive changes to existing law which requires the driver of a motor vehicle who is involved in an accident that results in damage to the property of a person in excess of a specified amount, or in death or bodily injury, to report the accident to the Department of Motor Vehicles within a specified number of days after the accident.	02/21/2025: INTRODUCED.
CA AB 1538 (Krell (D))	Crimes: Corruption		Makes it a crime for any elected or appointed official, under color of authority, to retaliate, punish, or exert political retribution against any person for exercising a constitutionally protected right.	01/05/2026: INTRODUCED.
CA AB 1542 (Ward (D))	Sensitive Personal Information		Prohibits under the California Consumer Privacy Act of 2018 (CCPA), a business, service provider, or contractor from selling or sharing sensitive personal information to a third party.	01/05/2026: INTRODUCED.
CA AB 1553 (Connolly (D))	California Environmental Quality Act		States that it is the intent of the Legislature to enact subsequent legislation that would, among other things, provide that projects exempted from CEQA pursuant to the above-described provisions remain subject to, and in compliance with, all applicable state laws intended to protect public health, safety, and the environment.	01/08/2026: INTRODUCED.
CA AB 1554 (Calderon (D))	Wildfire Fund		States the intent of the Legislature to enact subsequent legislation to implement the recommendations set forth in the Wildfire Fund report.	01/08/2026: INTRODUCED.
CA AB 1560 (Tangipa (R))	Lobbyist Certification		Prohibits a person who has been convicted of a crime of public corruption, as defined, from serving as a lobbyist. Prohibits the Secretary of State from accepting a lobbying certification from such a person, and it would also void an existing lobbying certification in the event of such a conviction. Requires a	01/08/2026: INTRODUCED.

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			lobbying certification to include a statement that the applicant has not been convicted of a crime of public corruption.	
CA AB 1563 (Gabriel (D))	Budget Act of 2026		Relates to appropriations for the support of state government for the 2026-27 fiscal year.	01/09/2026: INTRODUCED.
CA AB 1573 (Bryan (D))	Land Use: Housing Elements: Target Population		Expands the definition, under the Planning and Zoning Law, of the term target population for the purposes of requirements applicable to the housing element, as described, to include victims of domestic violence, as specified.	01/12/2026: INTRODUCED.
CA AB 1576 (Ortega (D))	Workers' Compensation: Subsequent Injuries Payments		Measures permanent disability, for injuries occurring on or after January 1, 2005, and prior to January 1, 2013, by the whole person impairment rating as determined in accordance with the AMA Guides to the Evaluation of Permanent Impairment (5th Edition), after adjustment for diminished future earning capacity and without regard to, or adjustment for, the occupation or age of the employee.	01/12/2026: INTRODUCED.
CA AB 1577 (Bauer-Kahan (D))	Data Centers: Monthly Reporting		Requires the State Energy Resources Conservation and Development Commission to establish a process for the owner of a data center, as defined, to submit specified information to the commission on a monthly basis, including, among other information, the data center's power usage effectiveness, as defined, water usage effectiveness, as defined, and total water consumption and the quantity of fuel consumed by onsite generators or other fuel-based energy systems, as specified.	01/12/2026: INTRODUCED.
CA AB 1578 (Jackson (D))	State and Local Officials: Antihate Speech Training		Requires, beginning on January 1, 2028, a state official to complete at least one hour of antihate speech training and education within 6 months of taking office and subsequently every 4 years thereafter. Requires each state agency to maintain records indicating the date that a state official completed the	01/12/2026: INTRODUCED.

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			antihate speech training and education for a period of not less than 5 years after the training is complete.	
CA AB 1600 (Arambula (D))	Disadvantaged Communities: Farmworker Communities		Expands the definition of disadvantaged communities by explicitly authorizing the inclusion of farmworker communities that meet certain requirements. Requires the agency, in consultation with the Department of Community Services and Development and the State Department of Public Health, to revise applicable screening tools and guidance documents to ensure the inclusion of farmworker communities as disadvantaged communities in all relevant program eligibility determinations and benefit calculations.	01/16/2026: INTRODUCED.
CA AB 1609 (Zbur (D))	Customer Service Support		Declares the Legislature's intent to enact legislation that would regulate telephonic and internet customer service support in specified ways.	01/20/2026: INTRODUCED.
CA AB 1610 (Ransom (D))	Election Notice		Requires a county elections official to take the following additional steps to provide notice to a voter when United States Postal Service data indicates a voter's mailing address is no longer valid if a new mailing address is available via change-of-address data, the elections official would be required to update the voter's registration record with the new mailing address and send a forwardable notice to the new address to confirm the change.	01/20/2026: INTRODUCED.
CA AB 1617 (Alanis (R))	Reporting of Household Hazardous Waste		Relates to household hazardous waste reporting.	01/21/2026: INTRODUCED.
CA AB 1621 (Wilson (D))	Planning and Zoning Law: Postentitlement Phase Permits		Prohibits a local agency or state agency from requiring or requesting more than 2 plan check and specification reviews in connection with an application for a building permit, as part of its review, except as specified. The bill would authorize a local agency or state agency to deny an application that is not	01/22/2026: INTRODUCED.

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			compliant with the permit standards following 2 plan check and specification reviews.	
CA AB 1624 (Zbur (D))	Public Lands Protection Act		Enacts the Public Lands Protection Act, upon transfer to any private or nonfederal entity of a parcel of land located within the state that is owned by the United States government on or after January 1, 2025, and that has been designated in an adopted general plan or zoning ordinance as open space, public land, resource conservation, or an equivalent conservation-oriented designation, immediately subject that parcel to the zoning designation and associated state and local restrictions.	01/22/2026: INTRODUCED.
CA ACA 1 (Valencia (D))	Public Finance		Relates to public finance. Changes the 1.5% required transfer to an undetermined percentage of the estimated amount of General Fund revenues for that fiscal year. Changes the 10% limit on the balance in the Budget Stabilization Account to 20% of the amount of the General Fund proceeds of taxes for the fiscal year estimate, as specified. Specifies that funds transferred under these provisions to the Budget Stabilization Account do not constitute appropriations subject to a specified appropriations limit.	12/02/2024: INTRODUCED.
CA ACA 7 (Jackson (D))	Government Preferences		Provides that the State Constitution, pursuant to provisions enacted by the Proposition 209, prohibits the State from discriminating against, or granting preferential treatment to, any individual or group on the basis of race, sex, color, ethnicity, or national origin in the operation of public employment, public education, or public contracting. Limits the prohibition to the operation of public employment, higher education admissions and enrollment, and public contracting.	01/22/2026: In ASSEMBLY. Read second time. To third reading.
CA ACA 16 (Ellis (R))	Budget Bill: Balanced Budget: Members of Legislature		Authorizes the Controller, no later than 30 days after the date of the budget bill's passage, to determine that the budget bill violates the balanced budget provision. If the Controller makes that determination, the Members of the Legislature and the Governor	01/07/2026: INTRODUCED.

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			would forfeit their salary and reimbursement for travel or living expenses from the day immediately following the date on which the Controller makes the determination until the date on which a budget bill is enacted.	
CA SB 2 (Jones (R))	Low-Carbon Fuel Standard: Regulations		Voids specified amendments to the Low-Carbon Fuel Standard regulations adopted by the State Air Resources Board on the specified date, or as subsequently adopted.	03/19/2025: In SENATE Committee on ENVIRONMENTAL QUALITY: Reconsideration granted.
CA SB 33 (Cortese (D))	Public Contracts: Claim Resolution		Provides that existing law prescribes various requirements regarding the formation, content, and enforcement of state and local public contracts. Provides that existing law establishes, until January 1, 2027, for contracts entered into on or after January 1, 2017, a claim resolution process applicable to any claim by a contractor in connection with a public works project against a public entity. Repeals January 1, 2027, repeal date, thereby extending the operation of these provisions indefinitely.	01/26/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 45 (Padilla (D))	Recycling: Beverage Containers: Tethered Plastic Caps		Requires, if a beverage is subject to the State Beverage Container Recycling and Litter Reduction Act and offered for sale in a plastic beverage container with a plastic cap, beverage manufacturers to ensure that the container has a cap that is tethered to the container. Exempts a refillable plastic beverage container and a beverage manufacturer that sold or transferred a specified number or fewer plastic beverage containers during the previous calendar year from certain provisions.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 52 (Perez S (D))	Housing Rental Terms: Algorithmic Devices		Makes it unlawful for any person to sell, license, or provide to a certain number or more persons a rental pricing algorithm with the intent or reasonable expectation that it be used by a specified number or more persons to set rental terms for residential premises. Makes it unlawful for a person to set or adopt rental terms based on the recommendation of a rental pricing algorithm if the person knows or should know that the rental pricing	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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			algorithm processes nonpublic competitor data for certain purposes.	
CA SB 58 (Padilla (D))	Air Quality: Standard: Hydrogen Sulfide		Requires the State Air Resources Board to adopt standards of ambient air quality for each air basin in consideration of the public health, safety, and welfare, including, but not limited to, health, illness, irritation to the senses, aesthetic value, interference with visibility, and effects on the economy. Requires the Office of Environmental Health Hazard Assessment to develop health-based threshold levels for hydrogen sulfide.	01/26/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 73 (Cervantes (D))	Elections: Inspection of Voting Systems		Prohibits the elections official from permitting a federal government agency or its employees to inspect a voting system machine or device, unless authorized by a federal court order. Establishes new procedures for the conduct of elections, it would create a state-mandated local program.	01/27/2026: In SENATE. Read third time, urgency clause adopted. Passed SENATE. *****To ASSEMBLY.
CA SB 74 (Seyarto (R))	Office of Land Use and Climate Innovation		Requires the Office of Land Use and Climate Innovation to establish the Infrastructure Gap Fund Program to provide grants to local agencies for the development and construction of infrastructure projects facing unforeseen costs after starting construction. Authorizes the office to provide funding for up to a specified percent of a project's additional projected cost after the project has started construction, subject to specified conditions. Relates to the allocation of existing local tax revenue.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA SB 77 (Grove (R))	State Vehicle Fleet: Zero-Emission Vehicles		Requires the Department of General Services to require a supplier of light duty vehicles purchased for the State vehicle fleet to certify that the raw materials used in the manufacturing of the light duty vehicles, including, but not limited to, aluminum, cobalt and lithium, come from mining operations that are free of child labor, with certain exceptions. Requires the supplier to provide to the department the locations where the raw materials used in the production of the light duty vehicles were mined.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 89 (Weber (D))	Glyphosate: Prohibition on Sale		Prohibits, on and after the specified date, the sale of a product that contains glyphosate in the State, except to a person or business that holds a valid license or certificate issued by the Department of Pesticide Regulation. Requires the department to levy a specified civil penalty for each violation of this prohibition.	03/05/2025: Re-referred to SENATE Committees on ENVIRONMENTAL QUALITY and AGRICULTURE.
CA SB 90 (Seyarto (R))	Safe Drinking Water		Provides that the Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Bond Act of 2024 authorized the issuance of bonds to finance projects for, among other things, safe drinking water, drought, flood, and water resilience, and wildfire and forest resilience. Includes in the list of eligible projects, among other things, grants for improvements to public evacuation routes in very high and high fire hazard severity zones, and mobile rigid dip tanks to support firefighting efforts.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 222 (Wiener (D))	Residential Heat Pump Systems: Water Heaters and HVAC		Requires a city, county, or city and county, to implement an online automated permitting process that issues permits in real time to a licensed contractor for the installation of a residential heat pump water heater or residential heat pump HVAC system that meets certain criteria. Requires a local entity that applies to receive any funding from the commission to self-certify to the commission its compliance with any applicable portions of the bill's provisions.	01/26/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 231 (Seyarto (R))	California Environmental Quality Act		Requires the Office of Land Use and Climate Innovation to consult with regional, local, State, and federal agencies to develop a technical advisory on thresholds of significance for greenhouse gas and noise pollution effects on the environment to assist local agencies. Requires the technical advisory to provide suggested thresholds of significance for all areas of the State.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 232 (Seyarto (R))	California Environmental Quality Act: Guidelines: Study		Requires the Office of Land Use and Climate Innovation to conduct a study to, among other things, evaluate how locked in guidelines could impact regulatory certainty for future project proponents, lead agencies, and stakeholders and assess how locked in guidelines could affect the speed and efficiency of the environmental review process pursuant to the California Environmental Quality Act. Defines locked in guidelines as CEQA guidelines that apply to the project throughout the environmental review process.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 234 (Niello (R))	Wildfires: Workgroup: Toxic Heavy Metals		Requires the Department of Forestry and Fire Protection, the Office of Emergency Services, and the Department of Toxic Substances Control to form a workgroup related to exposure to toxic heavy metals after a wildfire. Requires the workgroup to establish best practices and recommendations for wildfire impacted communities. Requires the departments to report their findings to the Legislature not more than a specified number of years after the convening of the first meeting of the workgroup.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA SB 238 (Smallwood-Cueva (D))	Workplace Surveillance Tools		Requires an employer to annually provide a notice to the Department of Industrial Relations, in the Labor and Workforce Development Agency, of all the workplace surveillance tools the employer is using in the workplace. Requires the notice to include, among other information, the personal information that will be collected from workers and consumers and whether they will have the option of opting out of the collection of personal information.	07/16/2025: In ASSEMBLY Committee on PRIVACY AND CONSUMER PROTECTION: Not Heard.
CA SB 239 (Arreguin (D))	Open Meetings: Teleconferencing: Subsidiary Body		Provides that the Ralph M. Brown Act requires that all meetings of a legislative body be open and public and that all persons be permitted to attend and participate. Authorizes a subsidiary body to use alternative teleconferencing provisions and imposes requirements for notice, agenda, and public participation.	01/27/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.

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			Requires the subsidiary body to post the agenda at each physical meeting location designated by the subsidiary body.	
CA SB 247 (Smallwood-Cueva (D))	State Agency Contracts: Bid Preference: Equity Metrics		Relates to bid preferences and participation goals in public contracting for certain types of bidders. Relates to the Small Business Procurement and Contract Act and the State Disabled Veteran Business Enterprise Program. Requires an awarding department, defined to include a State agency or department, to provide a bid preference of a prescribed percentage in the award of contracts to contractors that set equity metrics.	01/27/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 252 (Valladares (R))	Environmental Quality Act: Exemption: Powerlines		Exempts from the provisions of CEQA a project to underground powerlines.	02/14/2025: To SENATE Committees on ENVIRONMENTAL QUALITY and ENERGY, UTILITIES AND COMMUNICATIONS.
CA SB 256 (Perez S (D))	Electricity: Electrical Infrastructure: Wildfire		Requires certain electrical corporations and local publicly owned electric utilities, in cooperation with the Office of Emergency Services and other emergency service agencies, to establish procedures for the coordination of efforts between electrical corporations and local publicly owned electric utilities and their representatives and emergency response agencies. Requires these corporations and electric utilities to assign liaison representatives to work in each local operations center.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA SB 266 (Cervantes (D))	Elections: Language Accessibility		Provides that existing law requires an elections official, upon receiving a vote by mail ballot, to compare the signature on the identification envelope with the voter's signature. Provides that existing law requires the elections official to notify a voter whose signature does not match or who failed to sign the envelope of the opportunity to verify or provide a signature. Requires the Secretary of State to translate the notice, instructions, and voter statements to verify or provide a signature.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 270 (Ochoa Bogh (R))	Recall Elections: Notice of Intention		Provides that existing law requires proponents of a recall to serve, file, and publish a copy of the notice of intention to recall the elective officer. Requires the proponents' signatures and the street numbers and street names of their residence to be redacted or otherwise excluded from the notice of intention before it is made available to the public.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 273 (Grayson (D))	Surplus Land		Makes a nonsubstantive change to existing law which declares that surplus government land should be made available for affordable housing, including near transit stations, and for parks and recreation or open-space purposes.	02/14/2025: To SENATE Committee on RULES.
CA SB 285 (Becker (D))	Net Zero Greenhouse Gas Emissions Goal: Carbon Dioxide		Authorizes, for the purpose of meeting, or tracking progress against, any State requirement to achieve net zero emissions of greenhouse gases, only qualified carbon dioxide removal to be used to counterbalance the State's or an entity's greenhouse gas emissions. Requires qualified carbon dioxide removal used for those purposes to meet certain requirements.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 288 (Seyarto (R))	Property Taxation: Change In Ownership: Family Homes		Relates to property taxes for family homes and farms. Provides that, in the event of a transfer to an eligible transferee as a result of the death of an eligible transferor by an order entered pursuant to specified existing law, the specified one-year periods shall be deemed to commence as of the effective date of the order.	01/27/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 299 (Cabaldon (D))	CEQA: Exemption: Day Care Center: Family Daycare Home		Exempts from the California Environmental Quality Act (CEQA) a project that consists exclusively of a day care center or a family daycare home that is located on a parcel of land zoned exclusively for residential use, except as provided.	01/26/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 336 (Wiener (D))	Real Property Tax: Welfare Exemption: Moderate-Income		Provides that existing property tax law provides for a welfare exemption for property used for religious, hospital, scientific, or charitable purposes. Provides a partial welfare exemption in the case of certain residential rental property used for low and	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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			moderate income households. Provides that the exemption would be equal to a specified percentage of the value of the property that is equal to the percentage that the number of units serving low and moderate income households represent.	
CA SB 348 (Hurtado (D))	State Air Resources Board: Low Carbon Fuel Standard		Provides that the California Global Warming Solutions Act of 2006 requires the State Air Resources Board to adopt rules and regulations to achieve maximum technologically feasible and cost effective greenhouse gas emissions reductions. Provides that, pursuant to its authority, the board has adopted the Low Carbon Fuel Standard regulations. Requires the board to reconsider and revise the Low Carbon Fuel Standard to reduce the financial burden on drivers in the State.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 350 (Durazo (D))	Water Rate Assistance Program	Oppose Unless Amended	Establishes the Water Rate Assistance Program and the Water Rate Assistance Fund to provide water affordability assistance, for residential water and wastewater services, to low-income residential ratepayers. Requires the State Water Resources Control Board to take various actions in administering the fund, including, among other things, tracking and managing revenue in the fund separately from other revenue. Makes the implementation of such provisions contingent upon an appropriation by the Legislature.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 366 (Smallwood-Cueva (D))	Employment: Artificial Intelligence		Requires the Department of General Services to contract with the University of California, Los Angeles Labor Center to conduct a study evaluating the impact of artificial intelligence on worker well being, job quality, job types, different populations, and State revenues. Requires the department, on or before the specified date, to submit a report of the findings of the study to the Legislature. Repeals these provisions upon submission of that report.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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CA SB 375 (Grove (R))	Wildfire prevention activities: Endangered Species Act		Authorizes a city, county, city and county, special district, or other local agency to submit to the Department of Fish and Wildlife a wildfire preparedness plan to conduct wildfire preparedness activities on land designated as a fire hazard severity zone that minimizes impacts to wildlife and habitat for candidate, threatened, and endangered species.	02/26/2025: To SENATE Committees on NATURAL RESOURCES AND WATER and ENVIRONMENTAL QUALITY.
CA SB 377 (Grayson (D))	Biomethane Procurement Targets		Provides that existing law requires the Public Utilities Commission to ensure that the biomethane available for any procurement program is either delivered to the State through a dedicated pipeline, or through a common carrier pipeline and meets specified requirements related to the injection of the biomethane and specified environmental benefits. Adds the displacement of conventional natural gas that results in a reduction in greenhouse gas emissions as one of the benefits.	04/07/2025: In SENATE Committee on ENERGY, UTILITIES AND COMMUNICATIONS: Not heard.
CA SB 381 (Wahab (D))	Vital Records: Adoptees' Birth Certificates		Authorize the disclosure of an original birth certificate, as defined, to an adopted person, or descendant of a deceased adopted person, requires the State Registrar to provide a copy of the original birth certificate to those persons, and establishes a process to request an original birth certificate. Requires the State Registrar to create and make available to a birth parent a contact preference form containing certain elections that would be available for release when a request is made.	01/27/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 401 (Hurtado (D))	Political Reform Act: Filing Deadlines		Authorizes the Fair Political Practices Commission to extend any filing deadline established by the act for individuals that live in an area impacted by an emergency situation. Defines emergency situation to mean an emergency proclaimed by the Governor or a local governing body pursuant to a specified law.	01/27/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 406 (Choi (R))	Elections: Ballot Submission Deadline		Requires a vote-by-mail ballot to be returned to the applicable elections official no later than the close of the polls on election day, except that it requires a vote-by-mail ballot cast by a military	04/01/2025: In SENATE Committee on ELECTIONS AND CONSTITUTIONAL

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			or overseas voter to be counted if it is postmarked on or before election day and received no later than 7 days after election day.	AMENDMENTS: Heard, remains in Committee.
CA SB 420 (Padilla (D))	Automated Decision Systems		Requires a developer or a deployer of a high-risk automated decision system to perform an impact assessment before making it publicly available or deploying it. Authorizes the Attorney General or the Civil Rights Department to allow a developer or deployer to cure certain violations. Prohibits an agency from awarding a contract for a high-risk automated decision system unless the person to whom the contract is awarded has certified that the system does not violate, among other civil rights laws, this bill.	06/09/2025: To ASSEMBLY Committees on PRIVACY AND CONSUMER PROTECTION and JUDICIARY.
CA SB 425 (Rubio (D))	Bonds: Public Entities as Beneficiaries		Specifies that if a statute provides for a bond to be given to or in favor of a beneficiary that is a public entity in connection with the purchase, construction, expansion, improvement, or rehabilitation of any real or other tangible personal property, that bond is not effective unless the beneficiary agrees to make all payments to the principal, or to the surety if the surety agrees to complete the work upon the principal's default, and perform all necessary obligations under the contract for the work.	04/29/2025: In SENATE Committee on JUDICIARY: Not heard.
CA SB 426 (Alvarado-Gil (R))	CA Environmental Quality Act: Defensible Space		Exempts from CEQA projects undertaken or approved by a public agency for purposes of maintaining defensible space to comply with the above requirements.	02/26/2025: To SENATE Committees on ENVIRONMENTAL QUALITY and NATURAL RESOURCES AND WATER.
CA SB 430 (Cabaldon (D))	Local Agencies: Automated Decision Systems		Imposes certain restrictions on the use of an automated decision system by a local agency to confer supportive services, permits, or licenses. Includes a prohibition on using an output from the system as the sole basis for an adverse eligibility or benefit determination affecting a natural person, except as specified. Requires the local agency to verify the accuracy of the system's outputs and to promote nondiscrimination in its use.	01/05/2026: Re-referred to SENATE Committees on JUDICIARY and LOCAL GOVERNMENT.

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CA SB 431 (Arreguin (D))	Assault and Battery: Utility Workers		Makes an assault or battery committed against a utility worker who is engaged in the performance of their duties punishable by imprisonment in a county jail not exceeding a specified term, by a fine not exceeding a specified amount, or by both that fine and imprisonment.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA SB 436 (Wahab (D))	Unlawful Detainer: Notice to Terminate Tenancy		Provides that existing law prescribes summary procedures for actions to obtain possession of real property. Provides that existing law authorizes a landlord to serve a notice of termination of tenancy on a tenant who is in default in the payment of rent. Extends the notice period to terminate a tenancy on a tenant who is in default in the payment of rent to permit the tenant at least a specified number of days, excluding weekends and judicial holidays, to pay the amount that is in default and due.	06/24/2025: In ASSEMBLY Committee on JUDICIARY: Reconsideration granted.
CA SB 441 (Hurtado (D))	State Air Resources Board: Membership: Removal		Authorizes any member of the State Air Resources Board to be removed from office by the Legislature, by concurrent resolution adopted by a majority vote of all members elected to each house, for dereliction of duty or corruption or incompetency.	04/23/2025: In SENATE Committee on ENVIRONMENTAL QUALITY: Reconsideration granted.
CA SB 445 (Wiener (D))	High-Speed Rail: Third-Party Permits and Approvals		Requires the authority, on or before July 1, 2026, to develop and adopt internal rules, as defined, setting forth standards and timelines for the authority to engage utilities to ensure coordination and cooperation in relocating utility infrastructure or otherwise resolving utility conflicts affecting the delivery of the high-speed rail project.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA SB 457 (Becker (D))	Housing Element Compliance: Committed Assistance		Provides that the Planning and Zoning Law require each county and each city to adopt a general plan that includes a housing element. Provides that existing law requires that the housing element, among other things, sets forth a schedule of actions during the planning period that the local government is undertaking or intends to undertake to implement the policies and	01/26/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.

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			achieve the goals of the housing element. Defines in-kind services.	
CA SB 463 (Alvarado-Gil (R))	Drought Planning: Resiliency Measures		Provides that existing law requires small water suppliers and nontransient noncommunity water systems that are schools to implement specified drought resiliency measures, including, among other things, metering each service connection and monitoring for water loss due to leakages. Exempts a small water supplier or nontransient noncommunity water system from these metering and monitoring requirements, under certain conditions.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 465 (Padilla (D))	Governor's Office of Emergency Services: California		Requires the Office of Emergency Services to establish a statewide emergency alert system called California Alert. Requires the California Alert to utilize Wireless Emergency Alerts authorized by the Integrated Public Alert Warning System, the Federal Emergency Management Agency's national system for local alerting that provides authenticated emergency information to the public through mobile phones within a designate cell tower's coverage area. Requires the office to contract with a private vendor.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 469 (Smallwood-Cueva (D))	Department of Industrial Relations		Requires the Department of Industrial Relations to establish the California Public Infrastructure Task Force, composed of representatives of specified agencies to promote employment in public infrastructure projects for underrepresented communities and to provide compliance assistance to contractors and subcontractors in public infrastructure projects regarding their nondiscrimination obligations, as specified.	04/30/2025: From SENATE Committee on LABOR, PUBLIC EMPLOYMENT AND RETIREMENT: Do pass to Committee on APPROPRIATIONS.
CA SB 473 (Padilla (D))	Water Corporations: Demand Elasticity: Rates		Relates to rates for water service. Requires that any changes to rates or implementation of surcharges on the Public Utilities Commission to ensure errors in estimates of demand elasticity or sales do not result in material overcollections or undercollections	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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			of water corporations do not result in revenues above those approved by the commission.	
CA SB 474 (Niello (R))	State Air Resources Board: Regulatory Authority		Revokes all authority of the State Air Resources Board to adopt, revise, or repeal regulations and would declare that any law granting authority to or requiring the state board to adopt, revise, or repeal regulations, or take an action that requires exercising regulatory authority, instead be read as only authorizing the state board to provide advice and propose measures to the Legislature for statutory enactment.	04/30/2025: In SENATE Committee on ENVIRONMENTAL QUALITY: Reconsideration granted.
CA SB 488 (Limon (D))	Safety Element: Local Hazard mitigation Plan		Makes nonsubstantive changes in the provision that authorizes a city or county to adopt a local hazard mitigation plan to a Safety element.	02/26/2025: To SENATE Committee on RULES.
CA SB 496 (Hurtado (D))	Advanced Clean Fleets Regulation: Appeals	Support	Exempts from the Advanced Clean Fleets Regulation or any similar regulation vehicles reasonably anticipated to respond to emergency situations. Prohibits the Air Resources Board from requiring a State or local government fleet owner to provide documentation showing an executed zero emissions vehicle purchase agreement in order to count an internal combustion engine vehicle as a zero emissions vehicle purchase for purposes of postponing a zero emissions vehicle transition mandate in the Regulation.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 501 (Allen (D))	Responsible Battery Recycling Act of 2022		Removes certain exclusions from the definition of a covered battery for a primary battery and a rechargeable battery. Categorizes all covered batteries as either a small format battery or a medium format battery. Provides definitions for small format battery and medium format battery. Requires a producer of covered batteries to develop and implement a stewardship plan for the collection, transportation, and recycling, and the safe and proper management, of covered batteries.	01/27/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.

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CA SB 522 (Wahab (D))	Housing: Tenant Protections		Provides that the Tenant Protection Act of 2019 prohibits an owner of residential real property from terminating the tenancy of certain tenants without just cause. Excludes housing built to replace a previous housing unit that was subject to the Tenant Protection Act, was substantially damaged or destroyed by a disaster, and was issued a certificate of occupancy before that housing unit was substantially damaged or destroyed, from the exemption from the just cause requirements.	09/10/2025: In ASSEMBLY. To Inactive File.
CA SB 523 (Seyarto (R))	Fire Insurance		Provides that existing law generally regulates classes of insurance, including residential property insurance. Provides that existing law prescribes the standard form for fire insurance policies covering property. Provides that under a homeowners' insurance policy, authorize an insurer to differentiate the risk of an internal fire from the risk of an external fire for the purposes of determining coverage. Defines terms for purposes of this provision.	01/05/2026: In SENATE. Read second time and amended. Re-referred to Committee on INSURANCE.
CA SB 526 (Menjivar (D))	South Coast Air Quality Management District: Air		Provides that existing law provides for the creation of the South Coast Air Quality Management District in portions of the specified counties included in the South Coast Air Basin. Requires the South Coast District Board to update Rule 1157 to improve air quality and increase data collection. Requires the owner or operator of a covered facility to take specified actions. Makes legislative findings and declarations as to the necessity of a special statute for the South Coast District.	06/16/2025: To ASSEMBLY Committee on NATURAL RESOURCES.
CA SB 527 (Alvarado-Gil (R))	Worker Classification: Employees		Provides that existing law creates a presumption that a worker who performs services for a hirer is an employee for purposes of claims for wages and benefits arising under wage orders issued by the Industrial Welfare Commission. Provides that existing law exempts specified occupations and business relationships from the ABC test to determine if workers are employees or independent contractors. Extends the exemption to a sports coach	01/05/2026: In SENATE. Read second time and amended. Re-referred to Committee on LABOR, PUBLIC EMPLOYMENT AND RETIREMENT.

IRWD 2026 LEGISLATIVE MATRIX

Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			for an elementary or secondary private school or local education agency.	
CA SB 532 (Dahle M (R))	Air Basins		States the intent of the Legislature to enact future legislation related to clean air basins.	03/05/2025: To SENATE Committee on RULES.
CA SB 555 (Caballero (D))	Workers' Compensation: Average Annual Earnings		Relates to the workers' compensation system. Provides that existing law requires, for computing average annual earnings for purposes of permanent partial disability indemnity, that average weekly earnings be taken at various amounts, including between the specified amounts for injuries occurring on or after the specified date. Requires that for computing average annual earnings for purposes of permanent partial disability indemnity, average weekly earnings be taken occurring on or after January 1, 2027.	01/27/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 556 (Hurtado (D))	Habitat Enhancement and Restoration: Floodplains		Provides that under existing law, the Wildlife Conservation Board administers various habitat conservation and restoration programs. Requires, upon appropriation by the Legislature, the specified sum to be allocated to the Wildlife Conservation Board for floodplain acquisition, habitat restoration, and associated conservation projects on floodplains in the Counties of Kern, Kings, and Tulare.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA SB 557 (Hurtado (D))	Child Abuse: Family Resource Centers		Defines family resource center to mean a family-friendly entity serving as a hub for multigenerational, family-centered, and family-strengthening support services that are provided at no cost or low cost to participants, embedded in communities, culturally sensitive, reflective of, and responsive to, community needs and interests, build communities of peer support for families, and include cross-system collaboration to assist in transforming families and communities.	01/29/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.

IRWD 2026 LEGISLATIVE MATRIX

Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 599 (Caballero (D))	Atmospheric Rivers: Research: Forecasting Methods	Support	Relates to the Atmospheric Rivers Research and Forecast Improvement Program: Enabling Climate Adaptation Through Forecast-Informed Reservoir Operations and Hazard Resiliency Program in the Department of Water Resources. Provides that existing law requires the department to operate reservoirs in a manner that improves flood protection. Requires, for certain novel forecasting methods, the department to include the use of experimental tools that produce seasonal and subseasonal atmospheric river forecasts.	09/10/2025: In ASSEMBLY. To Inactive File.
CA SB 601 (Allen (D))	Water: Waste Discharge		Authorizes the State Water Resources Control Board to adopt water quality control plans for nexus waters. Requires any water quality standard that was submitted to the U.S. Environmental Protection Agency or the State Board that applied to nexus waters as of the specified date to remain in effect. Requires certain discharge requirements to, in the case of discharges from any point source to nexus waters, implement certain requirements for implementing the Federal Water Pollution Control Act.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS. Held in committee and made a Two-year bill.
CA SB 607 (Wiener (D))	California Institutes for Science and Innovation		Provides that existing law authorizes the Regents of the University of California to establish 4 California Institutes for Science and Innovation at separate campuses of the University of California for specified purposes. Provides that existing law authorizes the concentration of each institute to include, among other concentrations, medicine, bioengineering, or space. Authorizes the concentration of an institute to include artificial intelligence.	01/20/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 618 (Reyes (D))	Electricity: Deenergization Events: Report		Requires each electrical corporation to file a postdeenergization event report with the Public Utilities Commission following a deenergization event that includes the duration of the deenergization event, the circuits affected, the number of customers impacted, and other information required by the commission. Requires each corporation to include the cost to a	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			customer of the interruption of electrical service, per affected customer, and the aggregated cost for all affected customers in the report.	
CA SB 620 (Stern (D))	Energy Utility Data		Requires the State Energy Resources Conservation and Development Commission to create the Data Access Governance Committee, with specified membership, and requires the committee to provide initial recommendations on prescribed topics to the Energy Commission and the Public Utilities Commission. Authorizes the Energy Commission to work with certain gas corporations, electrical corporations, and local publicly owned utilities to enact cost effective energy utility data programs.	04/29/2025: In SENATE Committee on ENERGY, UTILITIES AND COMMUNICATIONS: Not heard.
CA SB 636 (Menjivar (D))	Electrical or Gas Corporations: Deferment of Payments		Prohibits an electrical or gas corporation from disconnecting service of a customer for a specified number of months, if the customer meets certain requirements. Requires, upon the expiration of the deferment period, the customer to enroll in the electrical or gas corporation's arrearage management program or be enrolled in an available payment plan for which the customer is eligible, if the customer is not eligible for the arrearage management plan, for any and all debts on the customer's account.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 644 (Blakespear (D))	Political Reform Act of 1974: Contribution Limits		Relates to contribution limits under the Political Reform Act of 1974. Applies certain contribution limits and certain provisions to candidates for judicial, school district, and community college district office. Authorize the Judicial Council, school districts, and community college districts to impose more restrictive contribution limits on candidates for judicial, school district, and community college district office. Provides that any person who willfully violates the Act is guilty of a misdemeanor.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 662 (Alvarado-Gil (R))	Wildfires: Defensible Space: Education Efforts		Extends a statewide program to allow qualifying entities to support and augment the Department of Forestry and Fire Protection in its defensible space and home hardening assessment and education efforts and requires the director to establish a common reporting platform that allows defensible space and home hardening assessment data, collected by qualifying entities, to be reported to the department, among other things until a specified date.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 677 (Wiener (D))	Housing Development: Transit-oriented Development		Revises the definition of high-frequency commuter rail to instead mean a public commuter or intercity rail station with a total of at least 48 passenger trains on average per weekday across all directions, not including temporary service changes of less than one month or unplanned disruptions, and not meeting the standard for very high frequency commuter rail, at any point in the past three years.	01/26/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 678 (Niello (R))	Fire Prevention Activities: Challenges: Undertaking		Provides that, in a civil action brought to challenge a project that will engage in fire prevention activities, including those brought pursuant to the California Environmental Quality Act, a defendant may seek an order requiring the plaintiff to furnish an undertaking as security for costs and damages that may be incurred by the defendant if the bringing of the action or seeking by the plaintiff of particular relief, including injunctive relief, would result in preventing or delaying the project.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 688 (Niello (R))	Office of Regulatory Counsel		Establishes the Office of Regulatory Counsel in State government within the Governor's office, under the direction and control of a director. Requires the office to draft and assist in the preparation, consideration, amendment, and repeal of regulations for a State agency, before the State agency submits a proposed action regarding that regulation to the Office of Administrative Law for publication in the State Regulatory Notice Register. Makes related legislative findings and declarations.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 714 (Archuleta (D))	Zero-Emission Vehicles: Clean Energy Workforce Training		States the intent of the Legislature to enact legislation that would establish a zero-emission vehicle workforce development pilot project and a Clean Energy Workforce Training Council.	03/12/2025: To SENATE Committee on RULES.
CA SB 715 (Allen (D))	Regional Housing Need: Methodology: Distribution		Provides that the Planning and Zoning Law requires the Department of Housing and Community Development to determine the existing and projected need for housing for each region and requires the appropriate council of governments to adopt a final regional housing need plan. Removes the requirement that the loss of units factor due to a declared emergency be considered. Requires those lost units to be distributed proportionally according to the region's proposed methodology.	06/05/2025: To ASSEMBLY Committees on HOUSING AND COMMUNITY DEVELOPMENT and LOCAL GOVERNMENT.
CA SB 722 (Wahab (D))	Transit-oriented Housing Development		Prohibits a housing development from being located on an existing parcel of land or site governed under the Mobilehome Residency Law, the Recreational Vehicle Park Occupancy Law, the Mobilehome Parks Act, or the Special Occupancy Parks Act.	01/26/2026: In SENATE. Read third time, urgency clause adopted. Passed SENATE. *****To ASSEMBLY.
CA SB 724 (Richardson (D))	Public Housing: Lead Testing		Requires the owner of a public housing unit that is owned or managed by a city, county, city and county, or city, county, or city and county housing authority, to provide information to the residents of the public housing unit regarding any applicable existing program that offers free testing of the water for lead.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA SB 730 (Hurtado (D))	Product Safety: Consumer Products: Perfluoroalkyl	Watch	Prohibits, beginning on the specified date, a person from distributing, selling, or offering for sale artificial turf, carpets or rugs, cleaning products, cookware, dental floss, fabric treatments, or upholstered furniture that contain intentionally added PFAS. Authorizes the Department of Toxic Substances Control to adopt regulations to designate additional consumer product categories to prohibit the distribution, selling, or offering for sale of consumer products containing intentionally added PFAS.	04/02/2025: Re-referred to SENATE Committees on ENVIRONMENTAL QUALITY and HEALTH.

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Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 732 (Ochoa Bogh (R))	Emergency Backup Generators: Critical Facilities		Requires an air district without a specified rule on emergency backup generators, as defined, as of January 1, 2026, that adopts such a rule to include in the rule provisions that allow the operator of a critical facility, as defined, to use a permitted emergency backup generator in exceedance of the applicable runtime and testing and maintenance limits if specified conditions are met.	03/12/2025: To SENATE Committee on ENVIRONMENTAL QUALITY.
CA SB 740 (Rubio (D))	Municipal Wastewater Agency: New Agreement		Extends a filing agreement or amendment on a municipal wastewater agency, if the agency enters into a new agreement or amends an agreement pursuant to specified provisions, timeline to specified number of days.	04/02/2025: From SENATE Committee on LOCAL GOVERNMENT: Do pass to Committee on ENVIRONMENTAL QUALITY.
CA SB 741 (Blakespear (D))	Coastal Resources: Coastal Development Permit		Relates to the California Coastal Act of 1976. Provides that existing law exempts from the coastal development permitting process certain emergency projects undertaken, carried out, or approved by a public agency to maintain, repair, or restore existing highways. Expands that exemption to include certain emergency projects undertaken, carried out, or approved by a public agency to maintain, repair, or restore existing railroad track along the Los Angeles-San Diego-San Luis Obispo Rail Corridor.	06/05/2025: To ASSEMBLY Committee on NATURAL RESOURCES.
CA SB 742 (Padilla (D))	Electricity: Electrical Infrastructure		Requires the Public Utilities Commission to update a general order to require each electrical corporation to remove all permanently abandoned transmission facilities. Requires that an electrical corporation's wildfire mitigation plan also include an accounting of all transmission facilities, including permanently abandoned transmission facilities, and include a plan for how and when each permanently abandoned transmission facility will be removed.	01/26/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 746 (Alvarado-Gil (R))	Water: Urban Water Community Drought Relief Program		Establishes in the Department of Water Resources the Urban Water Community Drought Relief Program and the Small Community Drought Relief Program to provide grants for interim	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			or immediate drought relief. Provides that these programs would authorize funding for benefits in addition to drought relief, including, among other projects, projects that reduce the risk of wildfire for entire neighborhoods and communities through water delivery system improvements for fire suppression purposes.	
CA SB 747 (Wiener (D))	Civil Rights		Provides that every person who, under color of any law, statute, ordinance, regulation, custom, or usage, as defined, subjects or causes to be subjected any citizen of this state or any person within the jurisdiction thereof to the deprivation of any rights, privileges, or immunities secured by the United States Constitution, shall be liable to the party injured in an action at law, suit in equity, or other proper proceeding for redress.	01/27/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 755 (Blakespear (D))	California Contractor Climate Transparency Act		Enacts the State Contractor Climate Transparency Act. Requires the State Air Resources Board, beginning within a specified period after the effective date of regulations adopted pursuant to the Climate Corporate Data Accountability Act, to require a large contractor and a significant contractor to report annually specified information, including, for large contractors, an annual disclosure of scope 1 emissions, scope 2 emissions and scope 3 emissions, and climate-related financial risk.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 768 (Durazo (D))	Courts: Data Reporting		Requires courts to provide the Judicial Council each month with information regarding unlawful detainer cases aggregated by zip Code. Requires the Judicial Council to make that information publicly available online every specified months. Relates to the Sargent Shriver Civil Counsel Act, that requires legal counsel to be appointed to represent low-income parties in civil matters involving critical issues affecting basic human needs in courts selected by the Judicial Council.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.

IRWD 2026 LEGISLATIVE MATRIX

Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 795 (Richardson (D))	Horse Racing: Out-of-state Thoroughbred Races		Provides that the total number of thoroughbred races imported by associations or fairs on a statewide basis under these provisions is prohibited from exceeding 75 races per day on days when live thoroughbred or fair racing is being conducted in the state, with the exception of prescribed races. Exempts from the 75 imported race per day limitation races that are part of the race card of the Delaware Handicap.	01/27/2026: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.
CA SB 810 (Dahle M (R))	Electricity: Ratepayer-Funded Programs: Reports		Requires the Energy Commission and the PUC, by July 1, 2025, to each submit to the Legislature a report containing certain information required by Executive Order No. N-5-24.	03/12/2025: To SENATE Committee on ENERGY, UTILITIES AND COMMUNICATIONS.
CA SB 815 (Allen (D))	Planning and Zoning: Very High Fire Hazard Areas		Requires a city or county that contains residential structures in a very high fire hazard area, upon each revision of a housing element of a general plan on or after the specified date, to amend the land use element of its general plan to consider, among other things, the goals contained in the most recent Strategic Fire Plan for the State prepared by the Department of Forestry and Fire Protection.	05/23/2025: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 817 (Choi (R))	Political Reform Act of 1974		Declares the intent of the Legislature to enact future legislation relating to the Political Reform Act of 1974.	03/12/2025: To SENATE Committee on RULES.
CA SB 833 (McNerney (D))	Critical Infrastructure: Automated Decision Systems		Provides that existing law requires the Technology Recovery Plan element of the State Administrative Manual to ensure the inclusion of cybersecurity strategy incident response standards. Requires an operator responsible for operating, managing, overseeing, or controlling access to critical infrastructure, that deploys a covered artificial intelligence (AI) system to establish a human oversight mechanism that ensures a human monitors the system's operations in real time.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS. Held in committee and made a Two-year bill.

IRWD 2026 LEGISLATIVE MATRIX

Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 842 (Stern (D))	Energy: Firm Zero Carbon Resources		Requires the Public Utilities Commission to produce a report identifying opportunities and needs to provide for local and system reliability with firm zero-carbon resources over the short term, midterm, and long term. Requires the report to include, among other things, characterization of the resource attributes vital for local and system reliability and identification of barriers, including market barriers, to deploying firm zero-carbon resources to enhance local reliability.	08/29/2025: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA SB 872 (McNerney (D))	Department of Water Resources: Supervision of Dams		Makes a nonsubstantive change in existing law which prohibits the construction of any new dam or reservoir or the enlargement of any new dam or reservoir until the owner has applied for and obtained from the Department of Water Resources written approval of plans and specifications.	01/06/2026: INTRODUCED.
CA SB 879 (Laird (D))	Budget Act of 2026		Makes appropriations for the support of state government for the 2026-27 fiscal year.	01/09/2026: INTRODUCED.
CA SB 880 (Wahab (D))	Housing Purchases and Moratorium		States the intent of the Legislature to enact legislation relating to a moratorium on housing purchases.	01/12/2026: INTRODUCED.
CA SB 885 (Strickland (R))	Major Regulations		Prohibits a state agency from taking final action to adopt a major regulation until certain requirements are met, including that after the state agency prepares a standardized regulatory impact analysis and submits the analysis to the Department of Finance, as specified, the state agency submits a proposal to the Legislature recommending legislation to authorize the adoption of the major regulation and the Legislature enacts a law expressly authorizing the state agency to adopt that major regulation.	01/13/2026: INTRODUCED.
CA SB 886 (Padilla (D))	California Technology Innovation and Ratepayer		Enacts the California Technology Innovation and Ratepayer Protection Act. Requires the Public Utilities Commission, on or	01/13/2026: INTRODUCED.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			before a specified date, to establish or modify an electrical corporation tariff for the interconnection of the participating customer facilities and the transmission, distribution, and generation services to participating customers, as specified.	
CA SB 887 (Padilla (D))	California Environmental Quality Act		Specifies that projects proposed to be carried out or approved by a public agency for the development and operation of a data center, as defined, are not ministerial projects exempt from CEQA.	01/13/2026: INTRODUCED.
CA SB 894 (Allen (D))	Wildfires: Home Hardening		Provides that it is the intent of the Legislature to enact subsequent legislation that would establish the California Wildfire Resilience Program, developed and administered by the California Alternative Energy and Advanced Transportation Financing Authority, that would consist of a loan loss reserve and interest rate buy-down program designed to increase access to, and affordability of, defensible space and home hardening modifications, as provided.	01/15/2026: INTRODUCED.
CA SB 898 (Weber (D))	Software Tethering		States the intent of the Legislature to enact legislation that would relate to software tethering.	01/20/2026: INTRODUCED.
CA SB 899 (Grove (R))	Fire Prevention: Wildfire and Forest Resilience		Requires the Wildfire and Forest Resilience Task Force, on or before July 1, 2028, and in cooperation with the Office of Environmental Health Hazard Assessment and the State Department of Public Health, to assess the health costs and impacts of high-severity wildfire smoke using existing wildfire smoke and health data, as provided.	01/20/2026: INTRODUCED.
CA SB 900 (McNerney (D))	Elections: State Ballot Measures		Makes nonsubstantive changes to provisions which require the Secretary of State to create an internet website, or use other available technology, to consolidate information about each state ballot measure to be submitted to the voters, as specified.	01/20/2026: INTRODUCED.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 904 (Seyarto (R))	California Emergency Services Act: Disaster Recovery		Requires the Department of Housing and Community Development, in consultation with other specified state agencies, within 30 days of a state of emergency declared by the Governor relating to a wildfire, to provide a report to the Governor and the Legislature identifying state permitting requirements that may unduly impede efforts to rebuild properties or facilities destroyed as a result of the state of emergency that should be considered for suspension.	01/21/2026: INTRODUCED.
CA SB 908 (Wiener (D))	Housing Development: Transit-Oriented Development		States the intent of the Legislature to enact subsequent legislation that would make technical and clarifying changes to those laws governing transit-oriented development, and to add a select set of San Francisco Bay area ferry terminals to the scope of those provisions.	01/22/2026: INTRODUCED.
US HR 231 (Hageman (R))	Energy and Water Development and Related Agencies		Amends the Energy and Water Development and Related Agencies Appropriations Act, to reauthorize the Colorado River System conservation pilot program.	02/12/2025: In HOUSE Committee on NATURAL RESOURCES: Ordered to be reported as amended.
US HR 331 (Fulcher (R))	Aquifer Recharge Flexibility Clarification Act		Amends the Aquifer Recharge Flexibility Act to clarify a provision relating to conveyances for aquifer recharge purposes.	05/14/2025: To SENATE Committee on ENERGY AND NATURAL RESOURCES.
US HR 337 (Costa (D))	Groundwater Recharge and Water Supply Support Act		Provides technical and financial assistance for groundwater recharge, aquifer storage, and water source substitution projects.	01/13/2025: To HOUSE Committee on NATURAL RESOURCES.
US HR 338 (Costa (D))	Enhanced Surface and Groundwater Storage Act		Amends the Infrastructure Investment and Jobs Act to increase surface water and groundwater storage.	11/12/2025: In HOUSE Committee on NATURAL RESOURCES: Referred to Subcm on WATER, WILDLIFE AND FISHERIES.
US HR 471 (Westerman (R))	Fix Our Forests Act		Expedites the National Environmental Policy Act of 1969; improves forest management activities on National Forest System lands, on public lands under the jurisdiction of the Bureau of	01/23/2025: In HOUSE. Passed HOUSE. *****To SENATE.

IRWD 2026 LEGISLATIVE MATRIX

Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			Land Management, and on Tribal lands to return resilience to overgrown, fire prone forested lands, and for other purposes.	
US HR 1267 (Perez (D))	CERCLA Liability Exemption for PFAS Releases	Support	Exempts certain entities from liability under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 with respect to releases of perfluoroalkyl and polyfluoroalkyl substances.	02/12/2025: To HOUSE Committee on TRANSPORTATION AND INFRASTRUCTURE.
US HR 2093 (Calvert (R))	Federal Water Pollution Control Act	Support	Amends the Federal Water Pollution Control Act with respect to permitting terms.	03/14/2025: To HOUSE Committee on TRANSPORTATION AND INFRASTRUCTURE.
US HR 2269 (McClain (R))	Labeling of Products With Do Not Flush Warning	Support	Requires certain products to be labeled with "Do Not Flush" labeling.	06/23/2025: In HOUSE. Passed HOUSE. *****To SENATE.
US HR 2344 (Schakowsky (D))	Drinking Water and Wastewater Threat Preparedness		Establishes a program to increase drinking water and wastewater system threat preparedness and resilience.	03/25/2025: To HOUSE Committee on ENERGY AND COMMERCE.
US HR 2940 (LaHood D (R))	Internal Revenue Code		Amends the Internal Revenue Code of 1986 to allow an investment credit for certain water reuse projects.	04/17/2025: To HOUSE Committee on WAYS AND MEANS.
US HR 3845 (Gray (D))	Endangered Species Act		Amends the Endangered Species Act of 1973 to expand the exemption process under section 7 of that Act with respect to national security and significant adverse national or regional economic impacts.	06/09/2025: To HOUSE Committee on NATURAL RESOURCES.
US HR 3898 (Collins M (R))	Federal Water Pollution Control Act		Amends the Federal Water Pollution Control Act to make targeted reforms with respect to Waters of the United States and other matters.	12/15/2025: To SENATE Committee on ENVIRONMENT AND PUBLIC WORKS.

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Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
US HR 4168 (Fitzpatrick B (R))	National Primary Drinking Water Regulation for PFAS		Codifies a national primary drinking water regulation for PFAS.	06/26/2025: To HOUSE Committee on ENERGY AND COMMERCE.
US HR 4733 (Sorensen (D))	Low-Income Household Water Assistance Program		Authorizes the Low-Income Household Water Assistance Program.	12/01/2025: In HOUSE Committee on TRANSPORTATION & INFRASTRUCTURE: Referred to Subcommittee on WATER RESOURCES AND ENVIRONMENT.
US HR 5414 (Van Drew (R))	National Dam Safety Program Act		Amends the National Dam Safety Program Act to reauthorize certain assistance to States.	09/16/2025: To HOUSE Committee on TRANSPORTATION AND INFRASTRUCTURE.
US HR 5566 (Carbajal (D))	Federal Water Pollution Control Act		Amends the Federal Water Pollution Control Act and the Safe Drinking Water Act to reauthorize certain programs for water infrastructure resilience and sustainability.	12/01/2025: In HOUSE Committee on TRANSPORTATION & INFRASTRUCTURE: Referred to Subcommittee on WATER RESOURCES AND ENVIRONMENT.
US HJR 18 (Palmer (R))	National Primary Drinking Water Regulations		Provides for congressional disapproval under a specified chapter and title, United States Code, of the rule submitted by the Environmental Protection Agency relating to "National Primary Drinking Water Regulations for Lead and Copper: Improvements (LCRI)".	01/13/2025: To HOUSE Committee on ENERGY AND COMMERCE.
US S 322 (Padilla (D))	Forecasts of Atmospheric Rivers		Improves the lead time, accuracy, and dissemination of forecasts of atmospheric rivers throughout the United States.	01/29/2025: To SENATE Committee on COMMERCE, SCIENCE, AND TRANSPORTATION.
US S 1092 (Merkley (D))	Labeling of Products With Do Not Flush Warning	Support	Requires certain products to be labeled with Do Not Flush labeling.	09/19/2025: In SENATE. Placed on SENATE Legislative Calendar under General Orders.

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Updated: January 30, 2026

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
US S 1118 (Markey (D))	Drinking Water and Wastewater Threat Preparedness		Establishes a program to increase drinking water and wastewater system threat preparedness and resilience.	03/25/2025: To SENATE Committee on ENVIRONMENT AND PUBLIC WORKS.
US S 1549 (Gallego (D))	Safe Drinking Water Act		Amends the Safe Drinking Water Act to provide grants under the Drinking Water Infrastructure Risk and Resilience Program for training programs relating to protecting public water systems from and responding to cyberattacks.	05/01/2025: To SENATE Committee on ENVIRONMENT AND PUBLIC WORKS.
US S 2388 (Gallego (D))	Federal Water Pollution Control Act		Amends the Federal Water Pollution Control Act to reauthorize the pilot program for alternative water source projects.	07/23/2025: To SENATE Committee on ENVIRONMENT AND PUBLIC WORKS.

February 9, 2026

Prepared by: M. Mroczek / E. Akiyoshi

Submitted by: F. Nye / P. Weghorst

Approved by: Paul A. Cook 

CONSENT CALENDAR

WATER SUPPLY ASSESSMENT VERIFICATION FOR THE ORANGE HEIGHTS PLANNED COMMUNITY PROJECT

SUMMARY:

In December 2025, staff received a request from the City of Orange to prepare a supplemental Water Supply Assessment (WSA) and Water Supply Verification (WSV) for the Orange Heights Planned Community Project. Staff prepared the supplemental WSA and WSV for the project and recommends that the Board approve both documents.

BACKGROUND:

The Orange Heights Project, previously referred to as Santiago Hills II, in the City of Orange is designed for the construction of 1,058 new residential dwelling units and 10.6 acres of parks on approximately 425 acres east of Jamboree Road, west of State Route 241/261 Toll Road, south of Irvine Regional Park and north of the City of Orange city limit. The project is in the existing City of Orange General Plan. The project site is currently designated for Planned Community and is currently undeveloped. A location map of the Orange Heights Project is provided as Exhibit “A.”

The City of Orange requested in December 2025 that IRWD prepare supplemental WSA and WSV for the Orange Heights Project consistent with SB 610 and SB 221 that were passed and signed by the Governor of California in 2001. Both laws went into effect in January 2002. Staff has prepared both documents as described below.

Water Supply Assessment:

The WSA for the proposed Orange Heights Project was prepared based on information from the most recent IRWD Water Resources Master Plan. The WSA concludes that the total water supplies available to IRWD during normal, single-dry, and multiple-dry years within a 20-year projection will meet the projected water demand of the project. Estimates for a normal year in 2046 show an increase in IRWD potable water demands of 17 acre-feet per year (AFY) from 85,651 AF at baseline demand to 85,668 AF with the project. In addition, non-potable demand decreases by 11 AFY in 2046 from 29,082 AF at baseline to 29,071 AF with the project. The completed WSA is provided as Exhibit “B”.

Water Supply Verification:

A WSV has been completed for the proposed project and is provided as Exhibit “C”. The data in the WSV is based upon the prepared WSA, which contains IRWD’s determination that a sufficient water supply is available. SB 221 requires several additional elements be included in the WSV that are not covered or required in the WSA. These elements are primarily covered in

Sections 1(b)(ii), 1(b)(iii), and 1(b)(iv) of the “Detailed Verification” section in the attached WSV. This information and the IRWD-approved WSA reflect IRWD’s confirmation that the project water demands, together with demands from any other developments that have previously received WSVs or will-serves, or other projects that have come to IRWD’s attention either through developers or through the respective land use agency approval process are within the demands identified by that WSA. In accordance with this procedure, the attached WSV is based on the WSA and on information contained in the WSV.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

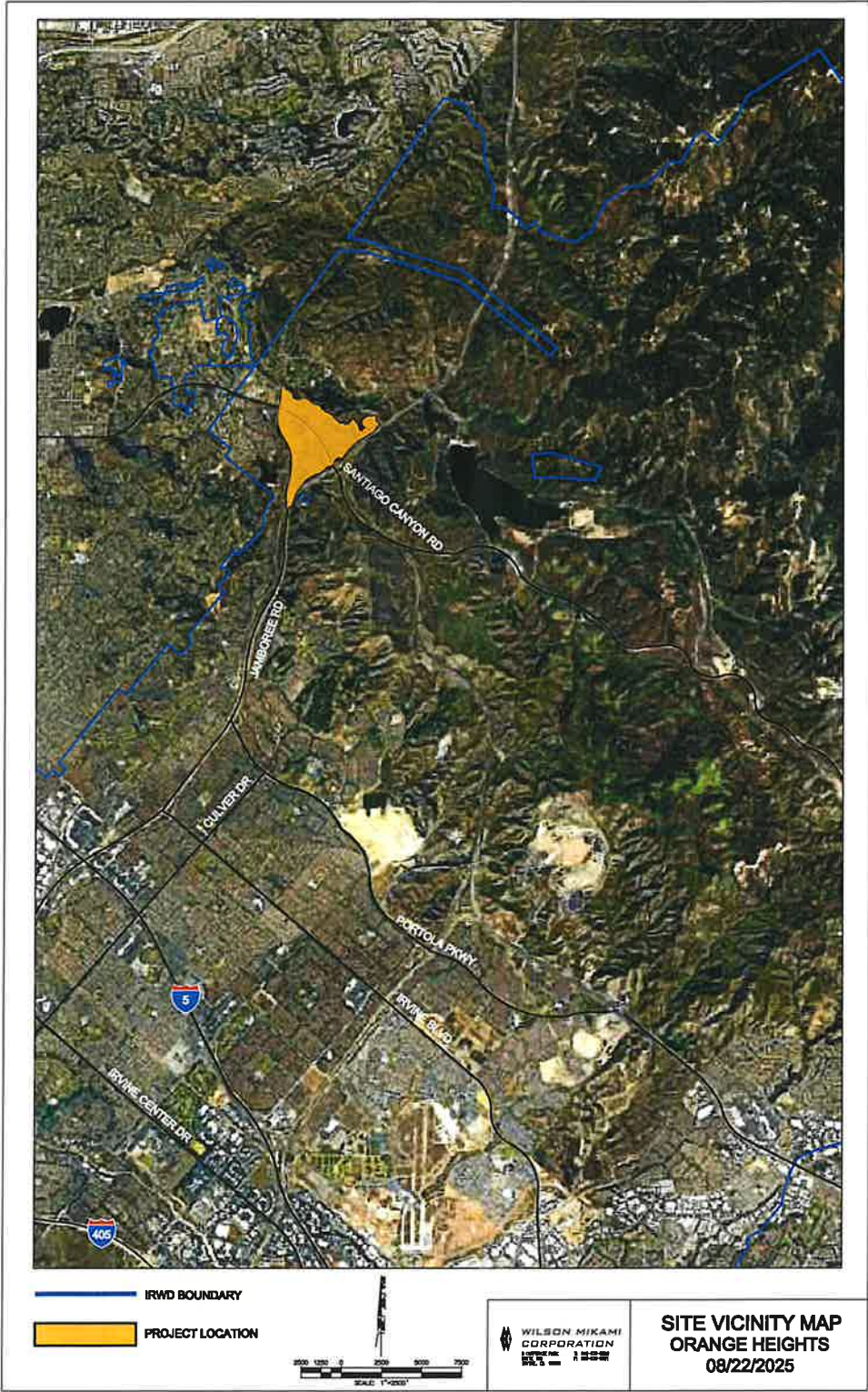
This item was reviewed at the Water Resources Policy and Communications Committee on February 5, 2026.

RECOMMENDATION:

THAT THE BOARD APPROVE THE WATER SUPPLY ASSESSMENT, AND
CONTINGENT UPON APPROVAL OF THE WATER SUPPLY ASSESSMENT, APPROVE
THE WATER SUPPLY VERIFICATION FOR THE ORANGE HEIGHTS PLANNED
COMMUNITY PROJECT.

LIST OF EXHIBITS:

Exhibit “A” – Orange Heights Project Location Map
Exhibit “B” – Water Supply Assessment for the Orange Heights Project
Exhibit “C” – Water Supply Verification for the Orange Heights Project

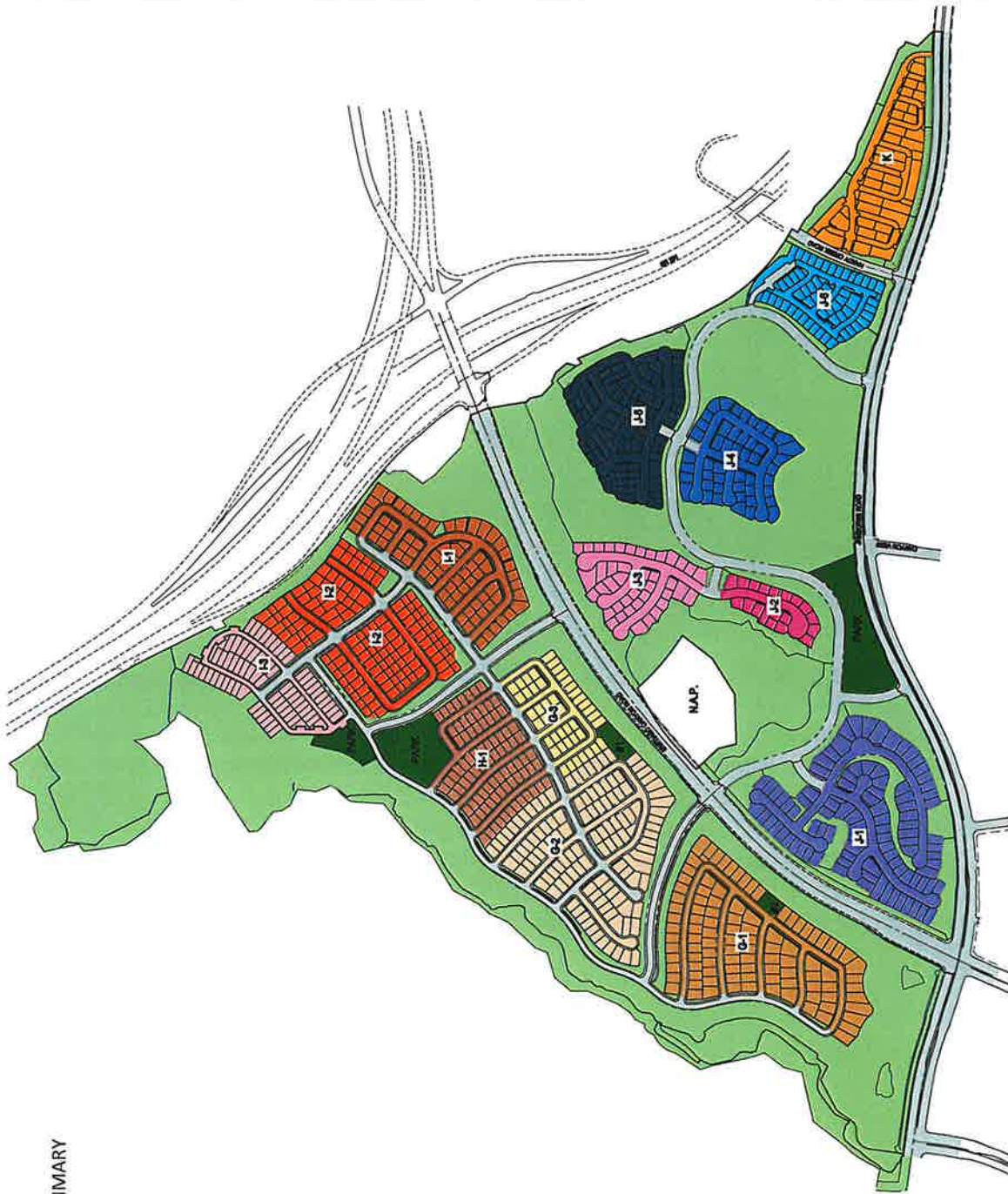


ORANGE HEIGHTS PRODUCT SUMMARY

NORTH	PRODUCT	UNITS
0-1	60x80	102
0-2	50x80	116
0-3	48x75	45
1-1	48x75	85
1-2	85x82	71
1-3	48x COURT	139
	39x85	68
NORTH TOTAL		626

SOUTH	PRODUCT	UNITS
J-1	50x80	93
J-2	65x60	18
J-3	65x60	42
J-4	65x60	48
J-5	48x75	77
J-6	45x75	53
K	36x61	101
SOUTH TOTAL		432
GRAND TOTAL		1058

PARK-NORTH
PARK-SOUTH
PASSIVE PARK #1
PASSIVE PARK #2



PRODUCT SUMMARY
ORANGE HEIGHTS
08/22/2025

WILSON MIKAMI
CORPORATION
DATE: 08/22/2025



**IRVINE RANCH WATER DISTRICT
ASSESSMENT OF WATER SUPPLY**
Water Code §10910 et seq.

To: (Lead Agency)

City of Orange
300 E. Chapman Avenue
Orange, CA 92866-

(Applicant)
The Irvine Company
550 Newport Center Drive
Newport Beach, CA 92660

Project Information

Project Title: Orange Heights Planned Community (Previously Santiago Hills II) Attachment A

- ☒ Residential: No. of dwelling units: 1,058 dwelling units Attachment B
- ☒ Shopping center or business: No. of employees _____ Sq. ft. of floor space _____
- ☐ Commercial office: No. of employees _____ Sq. ft. of floor space _____
- ☐ Hotel or motel: No. of rooms _____
- ☐ Industrial, manufacturing or processing: No. of employees _____ No. of acres _____
Sq. ft. of floor space _____
- ☐ Mixed use (check and complete all above that apply) _____
- ☒ Other: 10.6 acres parks

Assessment of Availability of Water Supply

On _____ the Board of Directors of the Irvine Ranch Water District (IRWD) approved the within assessment and made the following determination regarding the above-described Project:

- ☒ The projected water demand for the Project ☐ was ☒ was not included in IRWD's most recently adopted urban water management plan.
- ☒ A sufficient water supply is available for the Project.
The total water supplies available to IRWD during normal, single-dry and multiple-dry years within a 20-year projection will meet the projected water demand of the Project in addition to the demand of existing and other planned future uses, including, but not limited to, agricultural and manufacturing uses.
- ☐ A sufficient water supply is not available for the Project. *[Plan for acquiring and developing sufficient supply attached. Water Code § 10911(a)]*

The foregoing determination is based on the following Water Supply Assessment Information and supporting information in the records of IRWD.

Signature _____ Date _____ Title _____

Water Supply Assessment Information

Purpose of Assessment

Irvine Ranch Water District (“IRWD”) has been identified by the City as a public water system that will supply water service (both potable and nonpotable) to the project identified on the cover page of this assessment (the “Project”). As the public water system, IRWD is required by Section 10910 *et seq.* of the Water Code to provide the City with an assessment of water supply availability (“assessment”) for defined types of projects. The Project has been found by the City to be a project requiring an assessment. The City is required to include this assessment in the environmental document for the Project, and based on the record, make a determination whether projected water supplies are sufficient for the Project and existing and planned uses.

Water Code Section 10910 *et seq.* (the “Assessment Law”) contains the requirements for the information to be set forth in the assessment.

Prior Water Supply Assessments

IRWD does not allocate particular supplies to any project but identifies total supplies for its service area. Because of IRWD’s aggregation of demands and supplies, each assessment completed by IRWD is expected to be generally similar to the most recent assessment, with changes as needed to take into account changes, if any, in demands and supplies, and any updated and corrected information obtained by IRWD. Previously assessed projects’ water demands will be included in the baseline. A newly assessed project’s water demand will have been included in previous water supply assessments for other projects (as part of IRWD’s “full build-out” demand) to the extent of any land use planning or other water demand information for the project that was available to IRWD.

The Project’s water demand was included (as part of IRWD’s “full build-out” demand) in previous water supply assessments performed by IRWD, based on land use planning information available to IRWD. In this water supply assessment, the Project demand will be revised in accordance with updated information provided by the applicant and included in the “with project” demand.

Supporting Documentation

IRWD prepares two planning documents to guide water supply decision-making. IRWD’s principal planning document is IRWD’s “Water Resources Master Plan” (“WRMP”). The WRMP is a comprehensive document compiling data and analyses that IRWD considers necessary for its planning needs. IRWD also prepares an Urban Water Management Plan (“UWMP”), a document required by statute. The UWMP is based on the WRMP, but contains defined elements as listed in the statute (Water Code Section 10631 *et seq.*), and, as a result, is more limited than the WRMP in the treatment of supply and demand issues. Therefore, IRWD primarily relies on its most recent WRMP. The UWMP is required to be updated in years ending with “five” and “zero,” and IRWD’s most recent update of that document (2020 UWMP) was adopted in June 2021.

In addition to the WRMP and the 2020 UWMP mentioned above, other supporting documentation referenced herein is found in Section 6 of this assessment.

Due to the number of contracts, statutes and other documents comprising IRWD's written proof of entitlement to its water supplies, in lieu of attachment of such items, they are identified by title and summarized in Section 2(b) of this assessment (written contracts/proof of entitlement). Copies of the summarized items can be obtained from IRWD.

Assessment Methodology

Water use factors; dry-year increases. IRWD employs water use factors to enable it to assign water demands to the various land use types and aggregate the demands. The water use factors are based on average water use and incorporate the effect of IRWD's tiered-rate conservation pricing and its other water use efficiency programs. The factors are derived from historical usage (billing data) and a detailed review of water use factors within the IRWD service areas conducted as a part of the WRMP. System losses at a rate of approximately 5% are built into the water use factors. Water demands also reflect normal hydrologic conditions (precipitation). Lower levels of precipitation and higher temperatures will temporarily result in higher water demands, due primarily to the need for additional water for irrigation. To reflect this, base (normal) WRMP water demands have been increased by 7% in the assessment during both "single-dry" and "multiple-dry" years. This increase in estimated demands is considered conservative and is consistent with the Municipal Water District of Orange County's ("MWDOC") 2020 UWMP which assumes increased demands in single-dry and multiple dry years of 6% based on MWDOC's Orange County Reliability Study (MWDOC 2020 UWMP, pg. 7-2). The Metropolitan Water District of Southern California ("MWD") also considers these weather variables in their climate adjustment factors when forecasting demands, as documented in MWD's 2020 UWMP which shows an average increase of 8% for single dry year demands (MWD 2020 UWMP Tables 2-4, 2-5, 2-6) and also documented in their 2020 Integrated Resources Plan - Regional Needs Assessment (2022).

Planning horizon. In accordance with Water Code Section 10910, this assessment reviews demands and supplies covering a 20-year planning horizon. For consistency with IRWD's WRMP, the assessment reviews demands and supplies through the year 2045, which is considered to include build-out or "ultimate development".

Assessment of demands. Water demands are reviewed in this assessment for three development projections (to 2045):

- Existing and committed demand (without the Project) ("baseline"). This provides a baseline condition as of the date of this assessment, consisting of demand from existing development, plus demand from development that has both approved zoning and (if required by the Assessment Law) an adopted water supply assessment.
- Existing and committed demand, plus the Project ("with-project"). This projection adds the Project water demands to the baseline demands.
- Full WRMP build-out ("full build-out"). In addition to the Project, this projection adds potential demands for all presently undeveloped areas of IRWD based on current general plan information, modified by more specific information available to IRWD, as more fully described in Chapter 2 of the WRMP.

Assessment of supplies. For comparison with demands, water supplies are classified as *currently available* or *under development*:

- *Currently available* supplies include those that are presently operational, and those that will be operational within the next several years. Supplies expected to be operational in the next several years are those having completed or substantially completed the environmental and regulatory review process, as well as having necessary contracts (if any) in place to move forward. These supplies are in various stages of planning, design, or construction.
- In general, supplies *under development* may necessitate the preparation and completion of environmental documents, regulatory approvals, and/or contracts prior to full construction and implementation.

IRWD is also evaluating the development of additional supplies that are not included in either *currently available* or *under-development* supplies for purposes of this assessment. As outlined in the WRMP, prudent water supply and financial planning dictates that development of supplies be phased in over time consistent with the growth in demand.

Water supplies available to IRWD include several sources: groundwater pumped from the Orange County groundwater basin (including the Irvine Subbasin); captured local (native) surface water; recycled sewage; and supplemental imported water supplied by MWD through the MWDOC. The supply-demand comparisons in this assessment are broken down among the various sources and are further separated into potable and nonpotable water sources.

Comparison of demand and supply. The three demand projections noted above (baseline, with-project and full build-out) are compared with supplies in the following ways:

- On a total *annual* quantity basis (stated in acre-feet per year (“AFY”)).
- On a *peak-flow* (maximum day) basis (stated in cubic feet per second (“cfs”)).
- Under three climate conditions: base (normal) conditions and single-dry and multiple-dry year conditions. (Note: These conditions are compared for *annual* demands and not for *peak-flow* demands. *Peak-flow* is a measure of a water delivery system’s ability to meet the highest day’s demand of the fluctuating demands that will be experienced in a year’s time. Peak demands occur during the hot, dry season and as a result are not appreciably changed by dry-year conditions; dry-year conditions do affect *annual* demand by increasing the quantity of water needed to supplement normal wet-season precipitation.)

Summary of Results of Demand-Supply Comparisons

Listed below are Figures provided in this assessment, comparing projected potable and nonpotable water supplies and demands under the three development projections:

- Figure 1: Normal Year Supply and Demand – Potable Water
- Figure 2: Single Dry-Year Supply and Demand – Potable Water
- Figure 3: Multiple Dry-Year Supply and Demand – Potable Water
- Figure 4: Maximum-Day Supply and Demand – Potable Water
- Figure 5: Normal Year Supply and Demand – Nonpotable Water
- Figure 6: Single Dry-Year Supply and Demand – Nonpotable Water
- Figure 7: Multiple Dry-Year Supply and Demand – Nonpotable Water
- Figure 8: Maximum-Day Supply and Demand – Nonpotable Water

It can be observed in the Figures that IRWD's *supplies* remain essentially constant between normal, single-dry, and multiple-dry years. This result is due to the fact that groundwater and MWD imported water account for the majority of all of IRWD's potable supply, and recycled water, groundwater and imported water comprise all of IRWD's nonpotable supply. Groundwater production typically remains constant or may increase in cycles of dry years, even if overdraft of the basin temporarily increases, as groundwater producers reduce their demand on imported supplies to secure reliability. (See Section 4 herein.) As to imported water, MWD's 2020 Urban Water Management Plan (MWD 2020 UWMP) concludes that MWD has supply capabilities sufficient to meet expected demands from 2025 through 2045 under a single dry year condition and a period of drought lasting five consecutive water years, as well as in a normal water year hydrologic condition. (See also Section 2(b) (1) "IMPORTED SUPPLY - ADDITIONAL INFORMATION," below.) Recycled water production also remains constant and is considered "drought-proof" as a result of the fact that sewage flows remain virtually unaffected by dry years. Only a small portion of IRWD's supply, native water captured in Irvine Lake, is reduced in single-dry and multiple-dry years. The foregoing factors also serve to explain why there is no difference in IRWD's supplies between single-dry and multiple-dry years.

A review of the Figures indicates the following:

- *Currently available* supplies of potable water are adequate to meet annual demands for the *baseline*, *with-project* and *full build-out* scenarios projected under the normal year, and the single- and multiple-dry year conditions through the year 2045. (Figures 1, 2 and 3.) IRWD plans to proceed with the implementation of future potable supplies (*under development*), as shown in the Figures, to improve local reliability during dry-year conditions.
- Adequate *currently available* potable water supply capacity is available to meet *peak-flow* (maximum day) demands for all demand projections through the year 2045. (Figure 4.)
- With respect to nonpotable water, *currently available* supplies are adequate to meet projected annual demands for both the *baseline* and *with-project* demand projections under both dry-year conditions through the year 2045. (Figures 5, 6, 7 and 8.) IRWD has implemented all planned nonpotable supplies, as shown in the Figures, to improve local reliability during dry-year conditions.

The foregoing Figures provide an overview of IRWD potable and nonpotable water supply capabilities. More detailed information on the anticipated development and use of supplies, which incorporates source costs and reliability issues, is provided in the WRMP.

Margins of safety. The Figures and other information described in this assessment show that IRWD's assessment of supply availability contains several margins of safety or buffers:

- "Reserve" water supplies (excess of supplies over demands) will be available to serve as a buffer against inaccuracies in demand projections, future changes in land use, or alterations in supply availability.
- Conservative estimates of annual potable and nonpotable *imported* supplies have been made based on connected delivery capacity (by application of peaking factors as

described below in Section 2, footnote 1); additional supplies are expected to be available from these sources, based on legal entitlements, historical uses and information provided by MWD. In addition to MWD's existing regional supply assessments, this assessment has considered MWD information concerning operational limits on Delta pumping. See "**Actions on Delta Pumping**," below.

- Information provided by MWD, as the imported water supplier, concerning the adequacy of its regional supplies, summarized herein, demonstrates MWD's inclusion of reserves in its regional supply assessments. In addition to MWD's existing regional supply assessments, this assessment has considered MWD's information concerning operational limits on Delta pumping. See "**Actions on Delta Pumping**," below.

- Although groundwater supply amounts shown in this assessment assume production levels within applicable basin production percentages described herein, production of groundwater can exceed applicable basin production percentages on a short-term basis, which can provide additional reliability during dry years or emergencies. See "**IRWD's Evaluation of Effect of Reduced MWD Supplies to IRWD**," below.

Actions on Delta Pumping. The Sacramento/San Joaquin Delta ("Delta") is a vulnerable component in both the State and Federal systems to convey water from northern portions of California to areas south of the Delta. Issues associated with the Delta have generally been known for years; however, the continuing decline in the number of endangered Delta smelt resulted in the filing of litigation challenging permits for the operation of the Delta pumping facilities. On August 31, 2007, a Federal court ordered interim protective measures for the endangered Delta smelt, including operational limits on Delta pumping, which have an effect on State Water Project ("SWP") operations and supplies. On June 4, 2009, a federal biological opinion imposed rules that further restrict water diversions from the Delta to protect endangered salmon and other endangered fish species. Several proceedings concerning Delta operations were initiated to evaluate options to address Delta smelt impacts and other environmental concerns. In addition to the regulatory and judicial proceedings to address immediate environmental concerns, the Delta Vision process and Bay-Delta Conservation Plan ("BDCP") process were established to identify long-term solutions for the Delta. In addition, State and federal agencies and water user entities are currently engaged in the development of the Delta Conveyance Project (previously California WaterFix), which is aimed at making physical and operational improvements in the Delta necessary to improve south of the Delta SWP water supplies and water quality and protect ecosystem health in the Delta (MWD 2020 UWMP). Prior to the 2007 court decision, MWD's Board approved a Delta Action Plan in May 2007, that described short, mid and long-term conditions and the actions to mitigate potential supply shortages and to develop and implement long-term solutions. To address uncertainties in expected SWP supplies, in October 2007, MWD prepared its 2007 Integrated Resources Plan ("IRP") Implementation Report, in which MWD estimated that it could see as much as up to a 22% reduction on average of its SWP supplies based on the court order. As part of its ongoing long term planning, in its 2010 IRP Update, MWD identified changes to the long-term plan and established direction to address the range of potential changes in water supply planning. The 2010 IRP also discusses dealing with uncertainties related to impacts of climate change (see additional discussion of this below), as well as actions to protect endangered fisheries. The 2010 IRP Update emphasizes an evolving approach and suite of actions to address the water supply challenges that are posed by uncertain weather patterns, regulatory and environmental restrictions, water quality impacts and changes in the state and the region. The 2010 IRP Update includes MWD's Adaptive Resource Management Strategy three components: Core Resources Strategy, Supply Buffer Implementation and Foundational Actions, which together

provides the basis for the 2010 IRP Update. The 2010 IRP Update expands the concept of developing a planning buffer from the 2004 IRP Update by implementing a supply buffer equal to 10 percent of the total retail demand.

In January 2016, MWD adopted its 2015 IRP Update. In the 2015 IRP Update, MWD continued its Adaptive Resource Management Strategy and integrated future supply actions to improve the viability of potential contingency resources as needed, and to position the region to effectively implement these resources in a timely manner. The 2015 IRP finds that additional actions are needed in investments in conservation, local supplies, the Delta Conveyance Project (previously California WaterFix), and stabilizing Colorado River supplies. Among the supply actions, MWD will continue to work collaboratively with state and federal agencies on the California WaterFix, maximize its storage and transfer approach, and continue to develop and protect local supplies and conservation.

MWD is currently developing its 2020 IRP Update and has completed and adopted a 2020 IRP Regional Needs Assessment which is considered Phase 1 of the 2020 IRP. A One Water Implementation phase will be Phase 2 of the 2020 IRP. The One Water Implementation will take the results and findings of Phase 1 to identify integrated regional solutions. It will include an updated Adaptive Management Strategy, policies, programs and projects to address the findings and mitigate any potential shortages.

IRWD's Evaluation of Effect of Reduced MWD Supplies to IRWD: In the MWD 2020 UWMP, MWD states it has supply capability that would be sufficient to meet expected demands from 2025 to 2045 under single dry year and multiple dry year conditions.¹

Based on the prior MWD 2007 IRP Implementation Report and also reported in the MWD 2015 IRP, MWD estimated that it could receive reduction of SWP supplies of up to 22% on average until a long-term solution was implemented. For purposes of ensuring a conservative analysis, IRWD made an evaluation of the effect of the 22% estimated reduction of MWD's SWP supplies on its overall imported supplies. IRWD estimates that 22% reduction of SWP supplies conservatively translates to approximately 16% reduction in all of MWD's imported supplies over the years 2025 through 2045. For this purpose, it is assumed that MWD's total supplies consist only of imported SWP and Colorado deliveries. Based on this estimate, this assessment uses a 16% reduction in MWD supplies available to IRWD for the years 2025 through 2045, using IRWD's connected capacity without any water supply allocation imposed by MWD. This reduction in MWD supplies is reflected in Figures 1, 2, 3, 5, 6, and 7. (See also the footnote 1).

Per the MWD 2020 UWMP, MWD performs water shortage planning in its Water Surplus and Drought Management ("WSDM") Plan (1988) which guides MWD's planning and operations during both shortage and surplus conditions. Furthermore, MWD developed the Water Supply Allocation Plan ("WSAP") (dated February 2009, updated December 2014) which provides standardized methodology for allocation of MWD's supplies during times of shortage. The WSDM Plan distinguishes between shortages, severe shortages, and extreme shortages.

¹ The MWD 2020 UWMP utilized DWR's 2019 SWP Delivery Capability Report to estimate future SWP supplies for 2025 through 2045. These estimates incorporate the effect of regulatory requirements in accordance with biological opinions and also reflect potential impacts of climate change on SWP operations. Tables A.3-7 of the MWD 2020 UWMP reflect 58% or 1.1 MAF in MWD's expected average year SWP entitlement supplies. This amount is a higher expected average than MWD's 2015 estimate of 984,000 AF. For purposes of a conservative analysis, IRWD has used the 22% reduction in its supplies from MWD as the basis of IRWD's analysis.

These terms have specific meanings relating to MWD's ability to deliver water and the actions it takes. In June 2008, MWD's Board adopted a Water Supply Condition Framework to communicate the urgency of the region's water supply situation and the need for further water conservation to reduce regional demands, MWD uses the WSDM Plan and Framework to determine if a WSAP is recommended.

As an alternative means of analyzing the effect of reduced MWD supplies on IRWD, listed below are Figures provided comparing projected potable water supplies and demands in all of the five year increments, under a temporary MWD allocation scenario:

Figure 1a: Normal Year Supply and Demand (MWD Allocated) – Potable Water

Figure 2a: Single Dry-Year Supply and Demand (MWD Allocated) – Potable Water

Figure 3a: Multiple Dry-Year Supply and Demand (MWD Allocated) – Potable Water

Figures 1a, 2a, and 3a show IRWD's estimated supplies (average and single and multiple dry years) under a short-term MWD water supply allocation scenario whereby MWD declares a shortage stage under its WSAP, and a cutback is applied to IRWD's actual usage rather than its connected capacity. IRWD's evaluation of reduced MWD supplies to IRWD as shown in Figures 1a, 2a and 3a conservatively analyzes the effect of up to a MWD level 5 Regional Shortage Level. In addition, these Figures do not reflect a reduction in demands, thus representing a more conservative view of IRWD's supply capability. (see "**Recent Actions Related to Drought Conditions**" below)

On April 14, 2015, MWD approved the implementation of its WSAP at a level 3 Regional Shortage Level and an effective 15% reduction in regional deliveries effective July 1, 2015, through June 30, 2016. As a result of IRWD's diversified water supplies, IRWD is reliant on MWD for only 20% of its total supplies. IRWD's evaluation of reduced MWD supplies to IRWD as shown in Figures 1a, 2a and 3a includes MWD's 2015 actions to implement a level 3 Regional Shortage Level and 15% reduction.

Under shortage scenarios, IRWD may need to supplement supplies with production of groundwater, which can exceed the applicable basin production percentage on a short-term basis, providing additional reliability during dry years or emergencies.²

² In these scenarios, it is anticipated that other water suppliers who produce water from the Orange County Basin will also experience cutbacks of imported supplies and will increase groundwater production and that Orange County Water District ("OCWD") imported replenishment water may also be cutback. The OCWD's "2021-2022 Engineer's Report on the Groundwater Conditions, Water Supply and Basin Utilization" references a report (OCWD Report on Evaluation of Orange County Groundwater Basin Storage and Operational Strategy, 2007) which recommends a basin management strategy that provides general guidelines for annual basin refill or storage decrease based on the level of accumulated overdraft. It states: "Although it is considered to be generally acceptable to allow the basin to decline to 500,000 AF overdraft for brief periods due to severe drought conditions and lack of supplemental water...an accumulated overdraft of 100,000 AF best represents an optimal basin management target. This optimal target level provides sufficient storage space to accommodate anticipated recharge from a single wet year while also providing water in storage for at least 2 or 3 consecutive years of drought." MWD replenishment water is a supplemental source of recharge water and OCWD estimates other main supply sources for recharge are available.

In addition, IRWD has developed water banking projects in Kern County, California which may be called upon for delivery of supplemental banked water to IRWD under a MWD WSAP.³ IRWD may also convert non-potable water uses to recycled water as a way to conserve potable water. In addition, if needed, resultant net shortage levels can be addressed by demand reduction programs as described in IRWD's updated Water Shortage Contingency Plan adopted in 2021. IRWD's Water Shortage Contingency Plan provides procedures for responding to various levels of supply shortages through a combination of supply augmentation and demand management measures. As stated in IRWD's Water Shortage Contingency Plan, use of local supplies, storage and other supply augmentation measures can mitigate shortages, and are used as necessary and appropriate during declared shortage levels.

It can be noted that IRWD's above approach is conservative, in that IRWD evaluates the effect of the 16% reduction through 2045 and shows the effect of current allocation scenarios in all of the five-year increments. However, MWD reports that it has made significant progress in other water resource categories such as transfers, groundwater storage and developing other local resources, and supplies will be available from these resources over the long-term.

Climate Change. The California Department of Water Resources ("DWR") released a report "Progress on Incorporating Climate Change into Management of California's Water Resources" (July 2006), considering the impacts of climate change on the State's water supply. In 2012, DWR adopted phase 1 of its Climate Action Plan, its department-wide plan for reducing greenhouse gas emissions (GHG). In September 2018, the DWR released phase 2 of its Climate Action Plan, which is DWR's guide to addressing climate change in the programs, projects, and activities over which it has authority. Per this guidance, California's climate policy focuses on reducing GHG emissions, preparing for climate change impacts, and supporting climate-related research to inform policy responses and decision-making processes.

In MWD's 2015 IRP Update, MWD recognizes there is additional risk and uncertainty associated with climate change that may affect future supply and demands. In the 2015 IRP Update, MWD states that it plans to hedge against supply and demand uncertainties by implementing a long-term plan that recognizes the risk and provides resource development to offset the risk. Per the MWD 2020 UWMP, for longer term risks, like climate change, MWD established a Robust Decision Making ("RDM") approach that can show how vulnerable the region's reliability is to the longer-term risks such as climate change and can also establish "signposts" that can be monitored to see when crucial changes may be happening. MWD states in its 2020 UWMP that the RDM analysis was valuable in identifying vulnerabilities to its 2015 IRP approach to long-term reliability and in understanding how climate change would best be incorporated into the 2020 IRP.

Per the MWD 2020 UWMP, MWD continues to incorporate current climate change science into its planning efforts and MWD has made great efforts to implement GHG mitigation programs and policies for its facilities and operations. In 2022, MWD released a Climate Action Plan which complements MWD's IRP planning process and set reduction targets and outlined strategies to reduce emission levels by 2045. In MWD's 2020 IRP Regional Needs Assessment, MWD finds that SWP supplies are highly susceptible to varying hydrologic conditions, climate change, and regulatory restrictions. In this report, MWD assesses climate

³ IRWD has developed water banking projects ("Water Bank") in Kern County, California and has entered into a 30-year water banking partnership with Rosedale-Rio Bravo Water Storage District to operate IRWD's Strand Ranch and Stockdale West portions of the Water Bank. The Water Bank can improve IRWD's water supply reliability by capturing lower cost water available during wet hydrologic periods for use during dry periods. The Water Bank can enhance IRWD's ability to respond to drought conditions and potential water supply interruptions.

vulnerabilities and the need for future projects such as indirect potable reuse, stormwater capture, and expanded storage capacity to mitigate and adapt to these vulnerabilities and ensure future resilience. Specific climate change impacts on regional and local water supplies and relevant information for the Orange County hydrologic basin and Santa Ana Watershed have not been sufficiently developed at this time to permit IRWD to assess and quantify the effect of any such impact on its conclusions in the Assessment.

Catastrophic Supply Interruption Planning. MWD has developed Emergency Storage Requirements (MWD 2020 UWMP) to safeguard the region from catastrophic loss of water supply. MWD has made substantial investments in emergency storage and has based its planning on a 100% reduction in its supplies for a period of six months. The emergency plan outlines that under such a catastrophe, non-firm service deliveries would be suspended, and firm supplies would be restricted by a mandatory cutback of 25 percent from normal year demand deliveries. In addition, MWD discusses DWR's investments in improvements on the SWP and the long term Delta plan in the MWD 2020 UWMP (pages 3-19 to 3-23). IRWD has also addressed supply interruption planning in its WRMP and 2020 UWMP.

Recent Actions Related to Drought Conditions. In response to historically dry conditions throughout the state of California, on April 1, 2015, Governor Brown issued an Executive Order directing the State Water Resources Control Board (SWRCB) to impose restrictions to achieve an aggregate statewide 25 percent reduction in potable water use through February 2016. The Governor's Order also included mandatory actions aimed at reducing water demands, with a particular focus on outdoor water use. On May 5, 2015, the SWRCB adopted regulations which required that IRWD achieve a 16% reduction in potable water use from its 2013 potable water use levels. On November 13, 2015, Governor Brown issued an Executive Order directing the SWRCB to extend the 2015 Emergency Regulation through October 31, 2016, if drought conditions continued. On February 2, 2016, the SWRCB adopted an extended and modified Emergency Regulation. As a result of the modification, IRWD's mandated reduction was changed from 16% to 9% effective March 1, 2016. On April 14, 2015, MWD approved actions to implement its WSAP at a level 3 Regional Shortage Level and a 15% reduction in regional deliveries effective July 1, 2015, through June 30, 2016. During this period, IRWD continued to implement actions to reduce potable water demands during the drought; however, this did not affect IRWD's long-term supply capability to meet the demands. On April 7, 2017, Governor Brown rescinded the Executive Order.

In California's most recent drought (2021-2023), in July 2021, Governor Newsom called for voluntary 15 percent reduction in potable water use from all urban suppliers. Consistent with the Governor's Executive Order, IRWD implemented Level 2 of its Water Shortage Contingency Plan, although IRWD had no projected shortages in supplies. In March 2023, Governor Newsom rescinded the Executive Order.

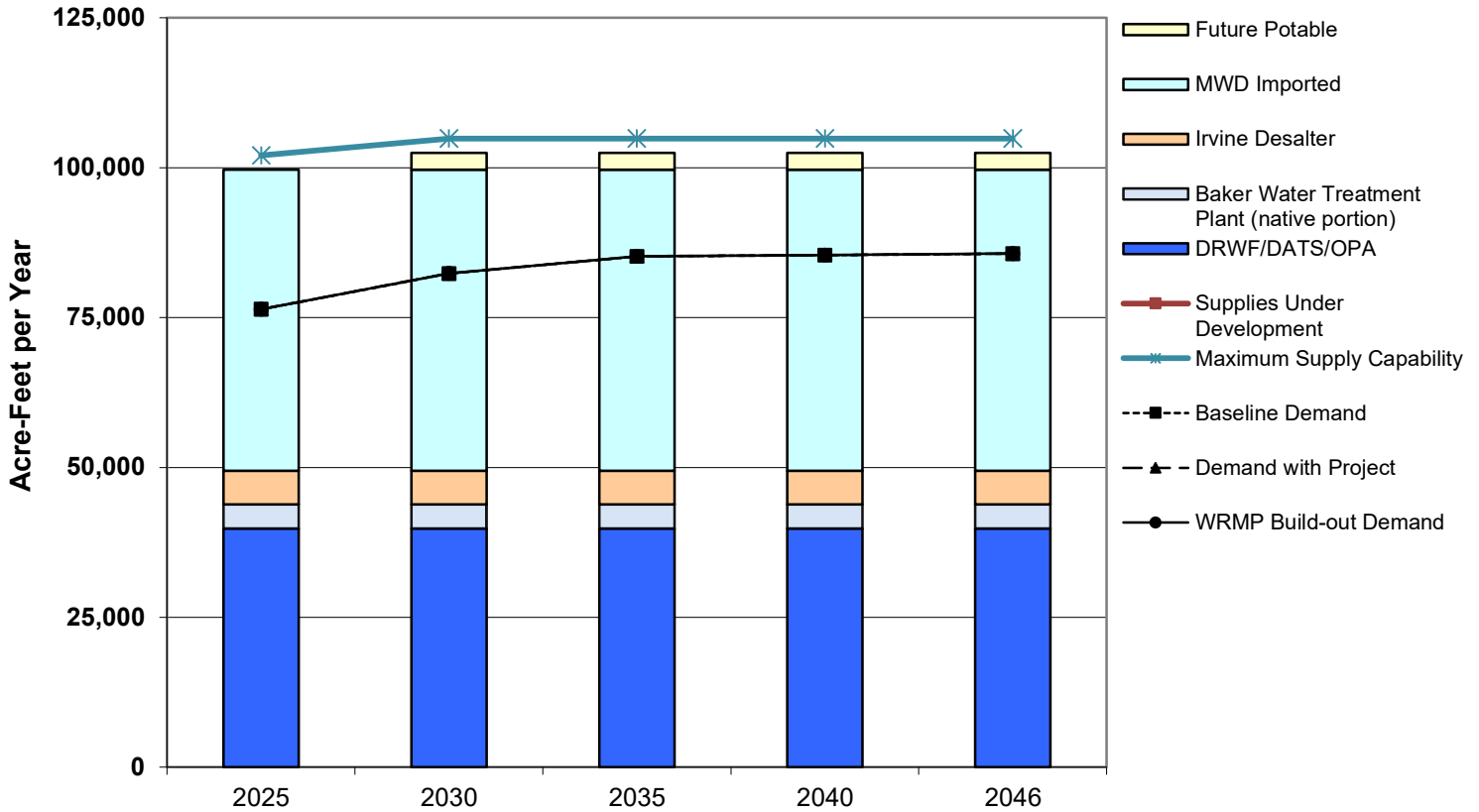
As discussed under "*IRWD's Evaluation of Effect of Reduced MWD Supplies to IRWD*" (see above), IRWD has effectively analyzed an imported water supply reduction up to a level 5 Regional Shortage Stage in Figures 1a, 2a, 3a. These Figures, however, do not reflect a reduction in demands, thus representing a more conservative view of IRWD's supply capability. In particular, the reduction in demand mandated by Senate Bill 7 in 2010, requiring urban retail water suppliers to establish water use targets to achieve a 20% reduction in daily per capita water use by 2020, has not been factored into the demands in this analysis. Similarly, notwithstanding the Governors' 2015 and 2021 orders, IRWD's conservative supply-sufficiency analysis in Figures 1a, 2a and 3a does not include the ordered reduction in potable demands.

Detailed Assessment

1. Supply and demand comparison

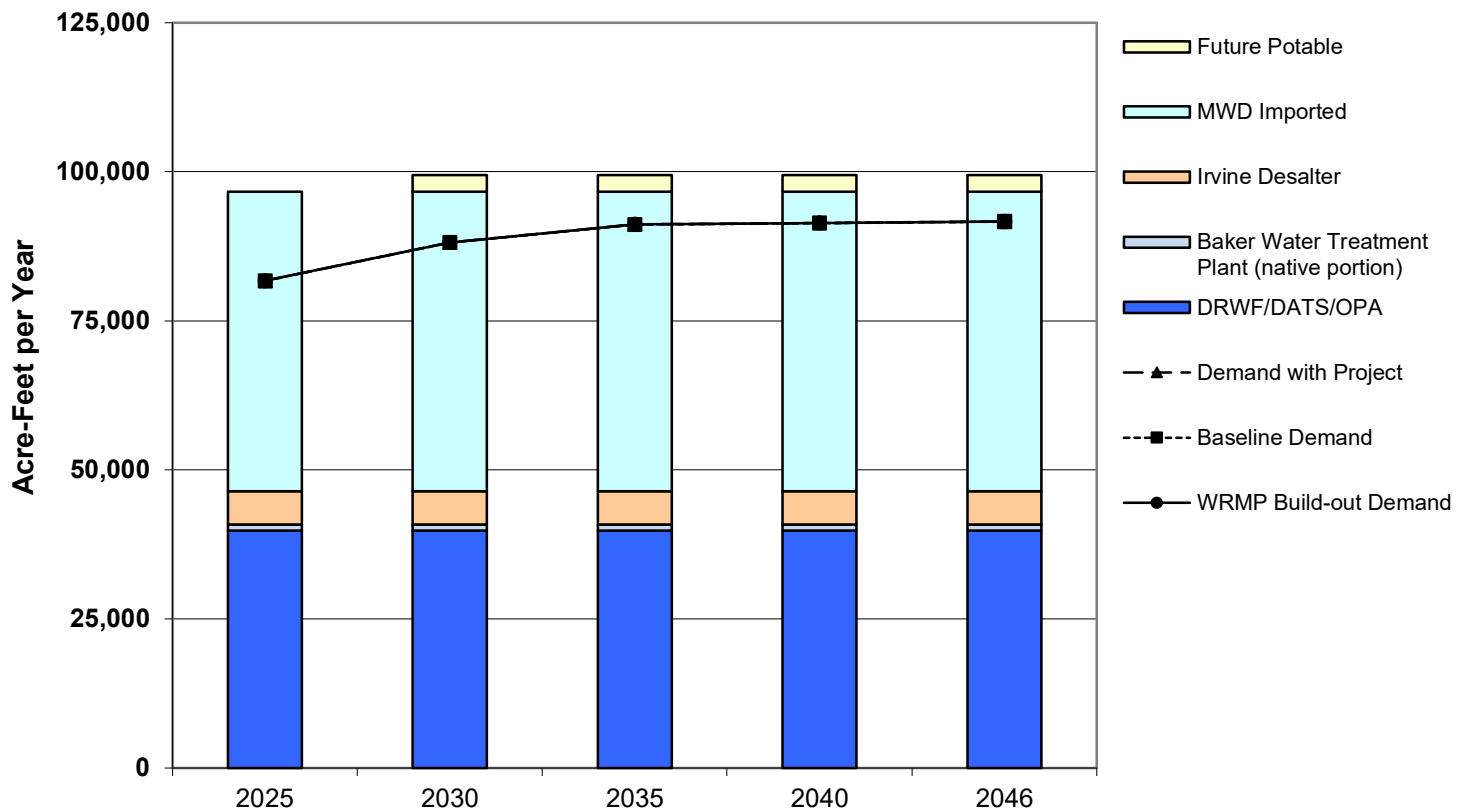
Comparisons of IRWD's average annual and peak (maximum day) demands and supplies, under *baseline* (existing and committed demand, without the Project), *with-project* (baseline plus Project), and *full build-out* development projections, are shown in the following Figures 1-4 (potable water), Figures 5-8 (nonpotable water) and Figures 1a, 2a, and 3a (short term MWD allocation potable water). See also the "Actions on Delta Pumping" above.

Figure 1
IRWD Normal-Year Supply & Demand - Potable Water



Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.
MWD Imported Supplies are shown at 16% reduction off of average connected capacity.
Baker Water Treatment Plant is supplied untreated imported water and native water from Irvine Lake.

Figure 2
IRWD Single Dry-Year Supply & Demand - Potable Water



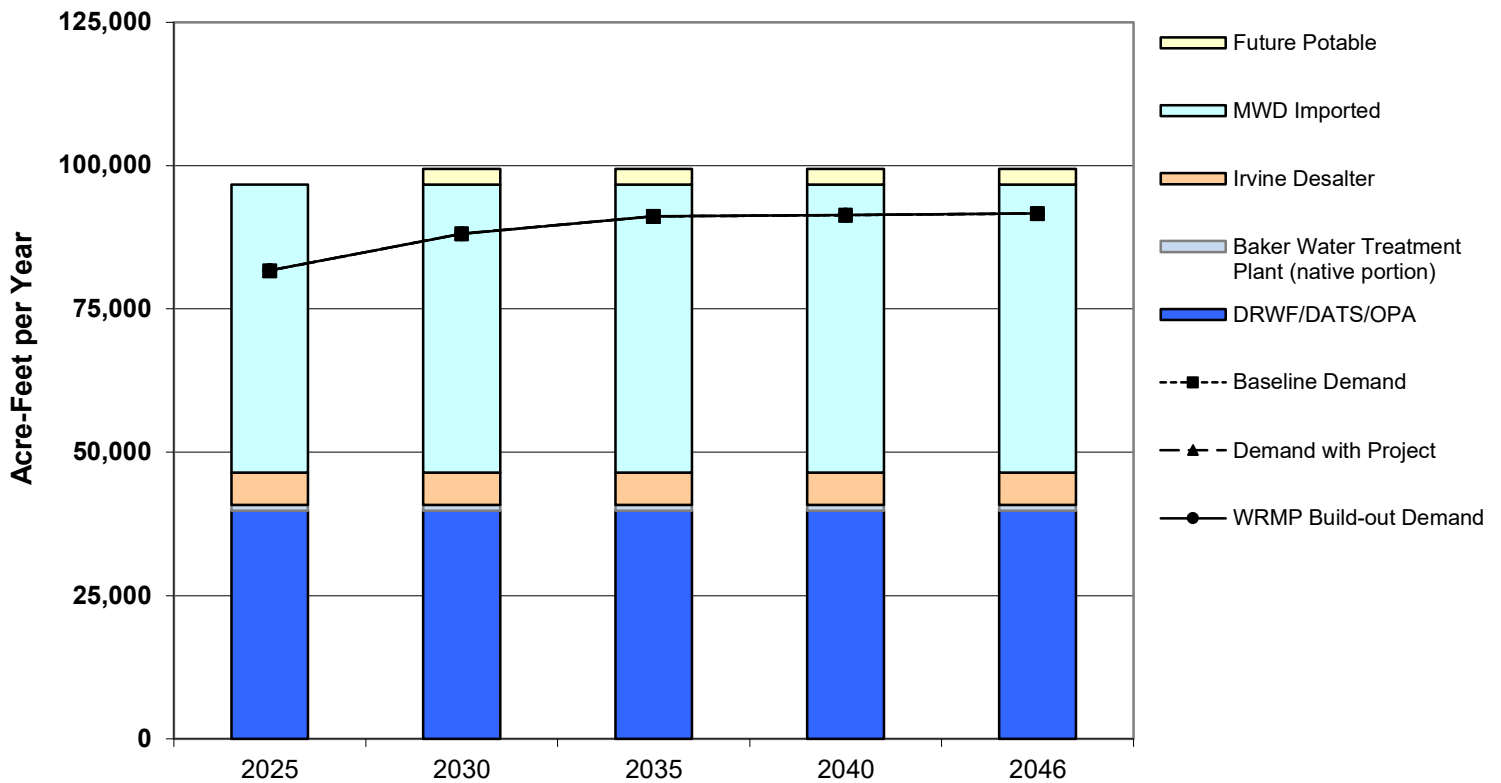
(in acre-feet per year)	2025	2030	2035	2040	2046
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Baker)	50,227	50,227	50,227	50,227	50,227
DRWF/DATS/OPA	39,818	39,818	39,818	39,818	39,818
Irvine Desalter	5,618	5,618	5,618	5,618	5,618
Wells 21 & 22	2,400	2,400	2,400	2,400	2,400
Baker Water Treatment Plant (native portion)	1,000	1,000	1,000	1,000	1,000
Supplies Under Development					
Future Potable	-	2,800	2,800	2,800	2,800
Maximum Supply Capability	99,063	101,863	101,863	101,863	101,863
Baseline Demand	81,700	88,115	91,144	91,372	91,647
Demand with Project	81,718	88,133	91,162	91,391	91,665
WRMP Build-out Demand	81,718	88,133	91,162	91,391	91,665
Reserve Supply with Project	17,345	13,730	10,701	10,472	10,198

Notes: Supplies identical to Normal-Year based on Metropolitan's Urban Water Management Plan and usage of groundwater under drought conditions (OCWD Master Plan). Demands increased 7% from Normal-Year. By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

Baker Water Treatment Plant is supplied untreated imported water and native water from Irvine Lake.

Figure 3
IRWD Multiple Dry-Year Supply & Demand - Potable Water



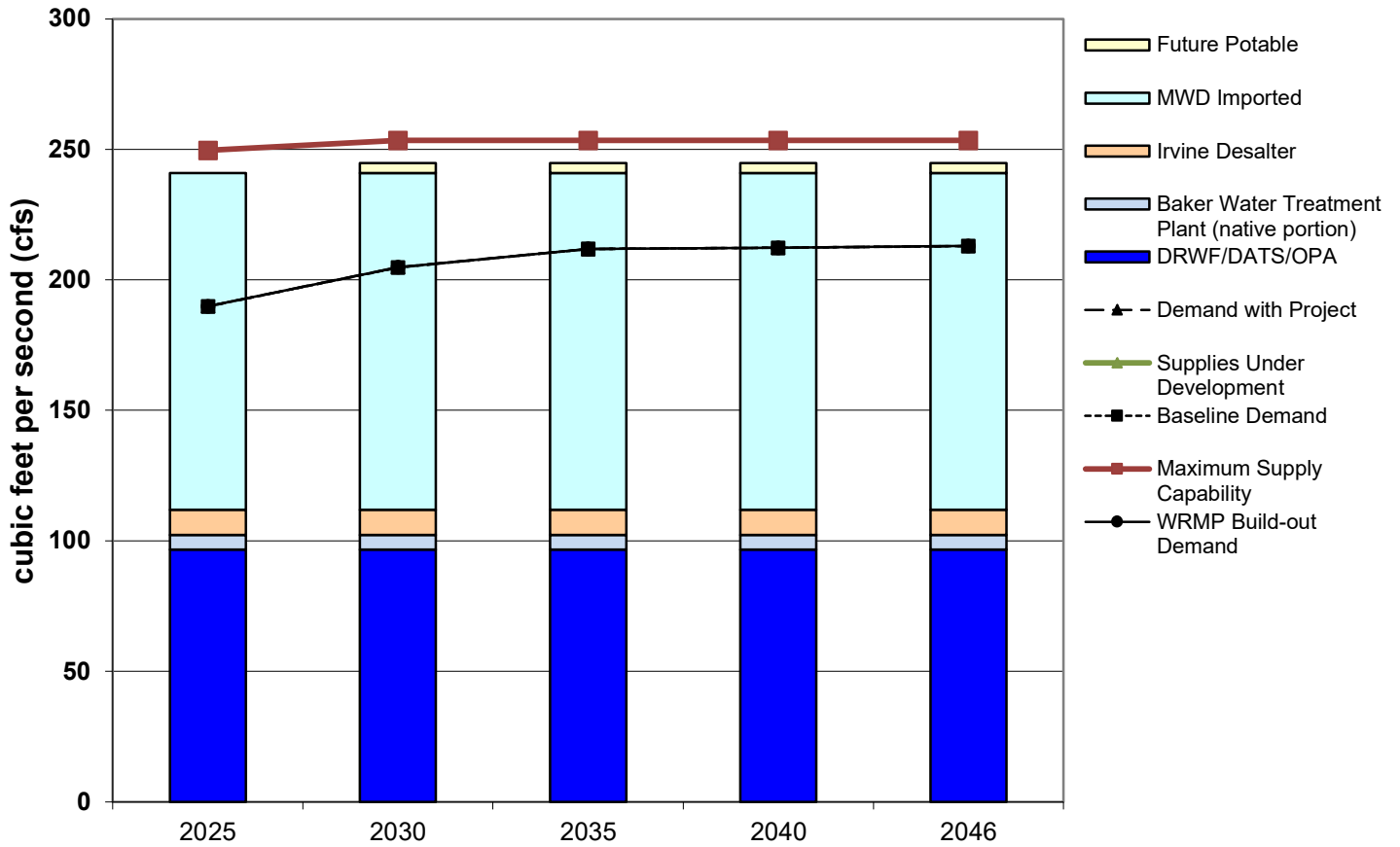
(in acre-feet per year)	2025	2030	2035	2040	2046
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Baker)	50,227	50,227	50,227	50,227	50,227
DRWF/DATS/OPA	39,818	39,818	39,818	39,818	39,818
Irvine Desalter	5,618	5,618	5,618	5,618	5,618
Wells 21 & 22	2,400	2,400	2,400	2,400	2,400
Baker Water Treatment Plant (native portion)	1,000	1,000	1,000	1,000	1,000
Supplies Under Development					
Future Potable	-	2,800	2,800	2,800	2,800
Maximum Supply Capability	99,063	101,863	101,863	101,863	101,863
Baseline Demand	81,700	88,115	91,144	91,372	91,647
Demand with Project	81,718	88,133	91,162	91,391	91,665
WRMP Build-out Demand	81,718	88,133	91,162	91,391	91,665
Reserve Supply with Project	17,345	13,730	10,701	10,472	10,198

Notes: Supplies identical to Normal-Year based on Metropolitan's Urban Water Management Plan and usage of groundwater under drought conditions (OCWD Master Plan). Demands increased 7% from Normal-Year. By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

Baker Water Treatment Plant is supplied untreated imported water and native water from Irvine Lake.

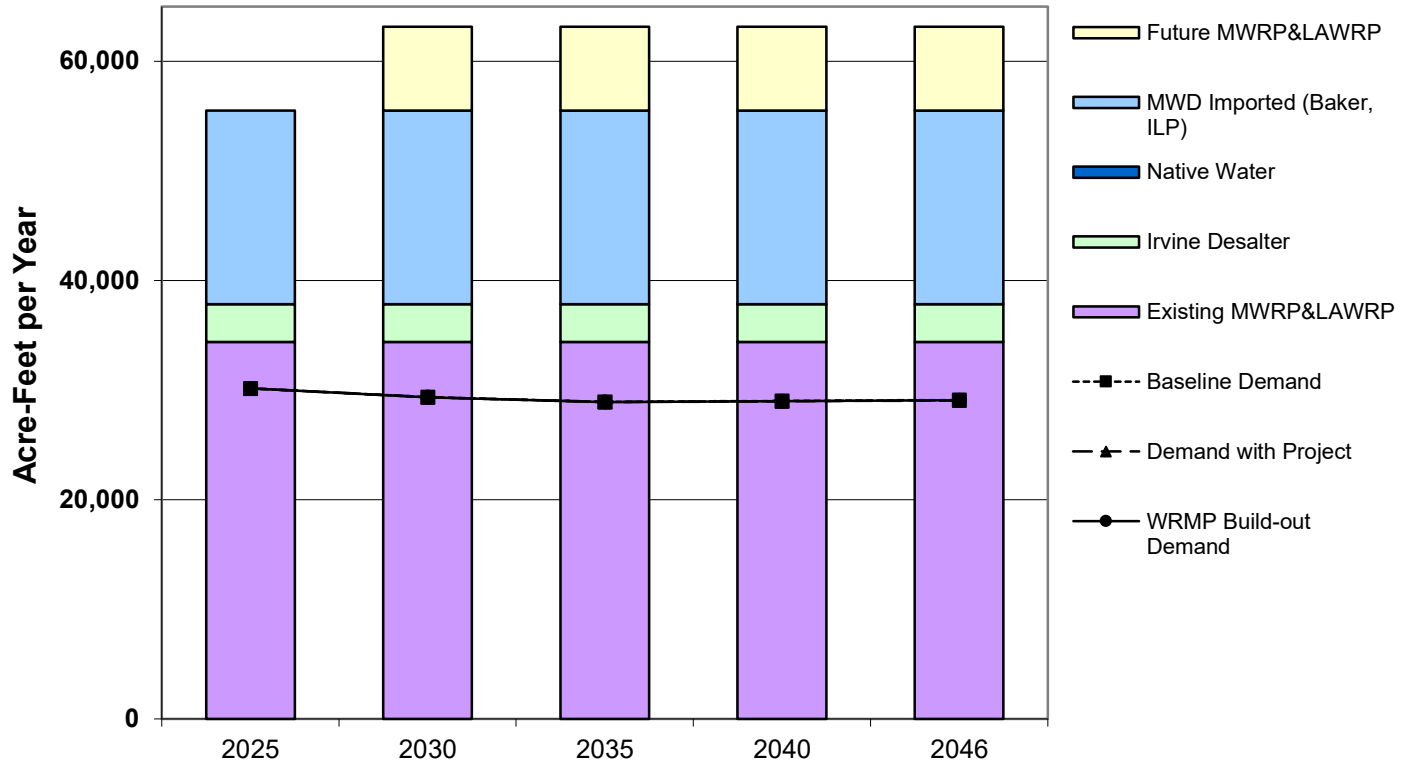
Figure 4
IRWD Maximum-Day Supply & Demand - Potable Water



(in cfs)	2025	2030	2035	2040	2046
<u>Current Potable Supplies</u>					
MWD Imported (EOCF#2, AMP, OCF, Baker)	129.1	129.1	129.1	129.1	129.1
DRWF/DATS/OPA	96.7	96.7	96.7	96.7	96.7
Irvine Desalter	9.7	9.7	9.7	9.7	9.7
Wells 21 & 22	8.6	8.6	8.6	8.6	8.6
Baker Water Treatment Plant (native portion)	5.5	5.5	5.5	5.5	5.5
<u>Supplies Under Development</u>					
Future Potable	-	3.9	3.9	3.9	3.9
Maximum Supply Capability	249.6	253.4	253.4	253.4	253.4
Baseline Demand	189.8	204.7	211.8	212.3	212.9
Demand with Project	189.9	204.8	211.8	212.4	213.0
WRMP Build-out Demand	189.9	204.8	211.8	212.4	213.0
Reserve Supply with Project	59.7	48.7	41.6	41.1	40.5

Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

Figure 5
IRWD Normal-Year Supply & Demand - Nonpotable Water

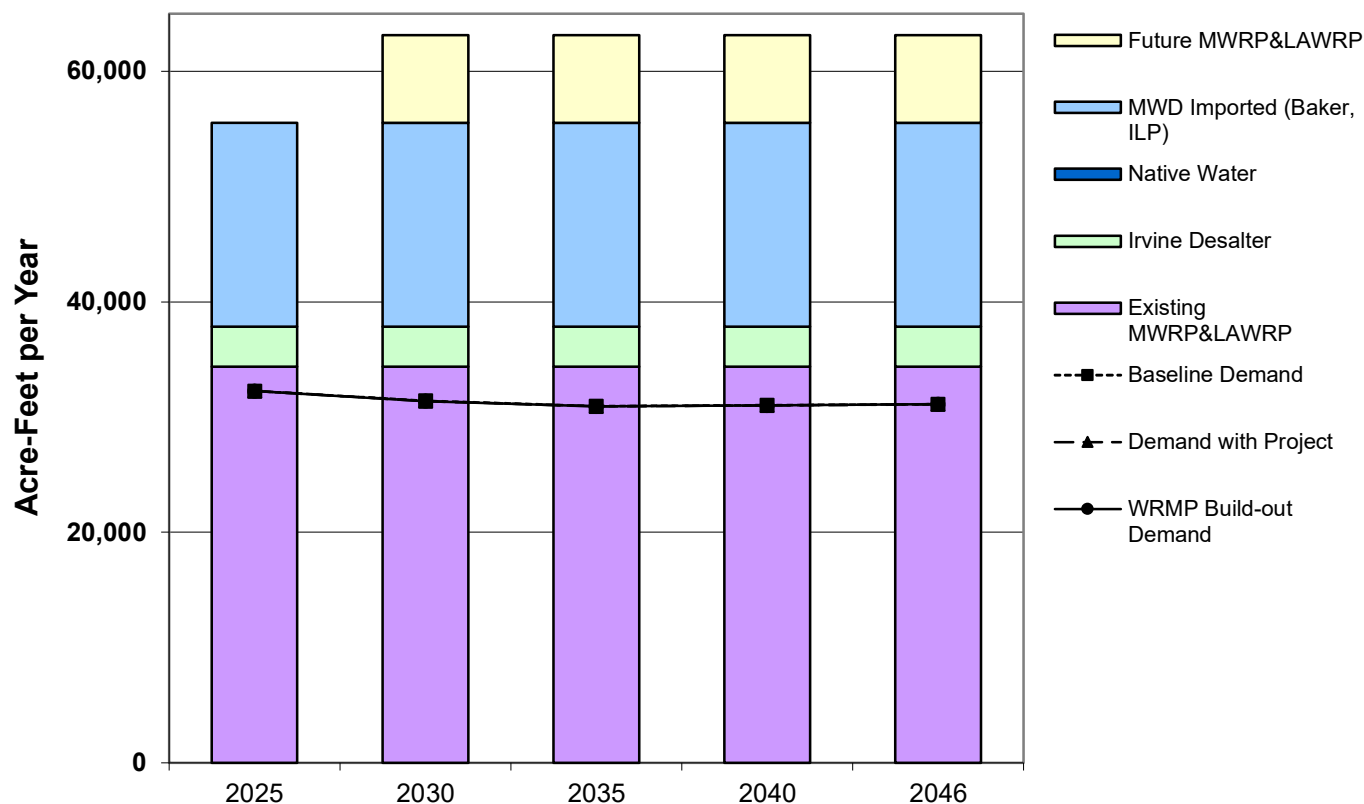


(in acre-feet per year)	2025	2030	2035	2040	2046
<u>Current Nonpotable Supplies</u>					
Existing MWRP&LAWRP	34,389	34,389	34,389	34,389	34,389
Future MWRP&LAWRP	-	7,623	7,623	7,623	7,623
MWD Imported (Baker, ILP)	17,667	17,667	17,667	17,667	17,667
Irvine Desalter	3,461	3,461	3,461	3,461	3,461
Native Water	-	-	-	-	-
Maximum Supply Capability	55,517	63,140	63,140	63,140	63,140
Baseline Demand	30,160	29,352	28,923	28,995	29,082
Demand with Project	30,160	29,342	28,912	28,985	29,071
WRMP Build-out Demand	30,160	29,342	28,912	28,985	29,071
Reserve Supply with Project	25,357	33,798	34,228	34,155	34,069

Note: Downward trend reflects reduction in agricultural use over time.
MWD Imported Supplies are shown at 16% reduction off of average connected capacity.

Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

Figure 6
IRWD Single Dry-Year Supply & Demand - Nonpotable Water



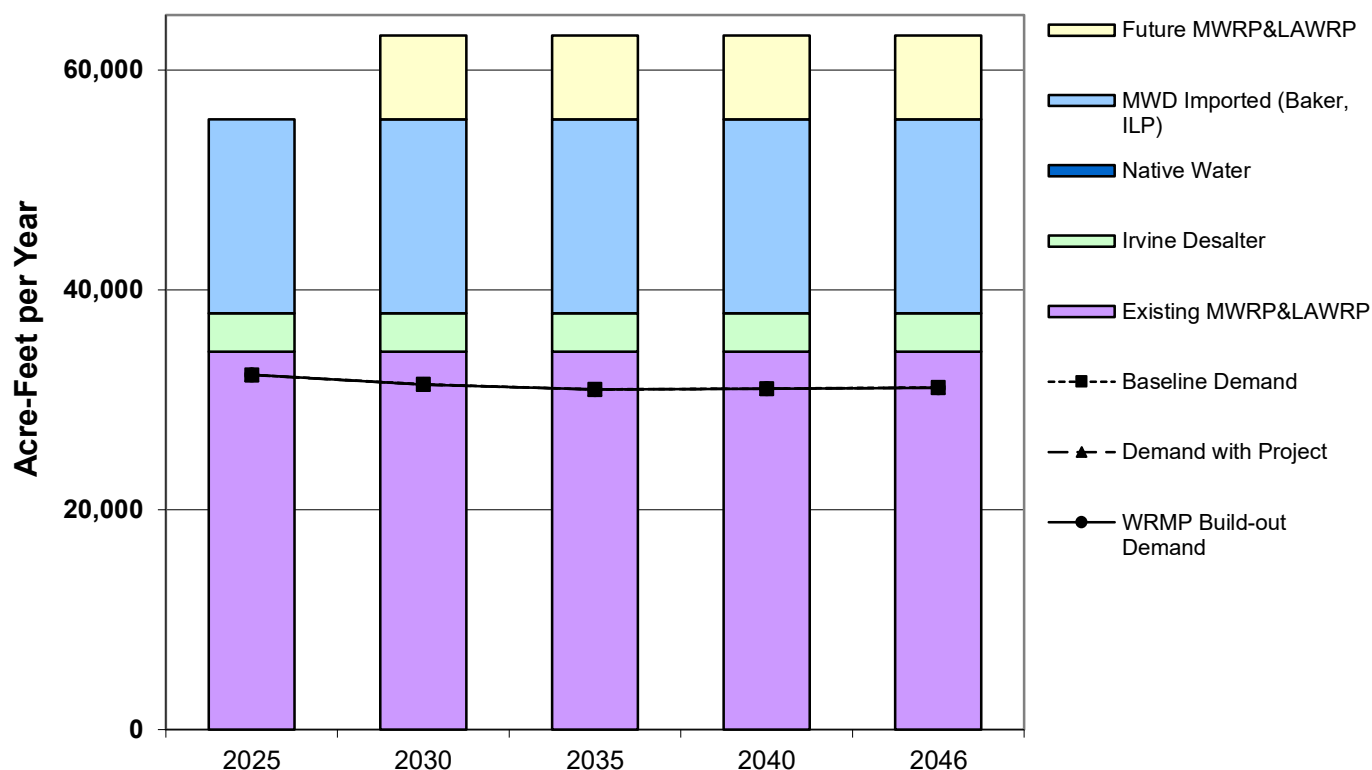
(in acre-feet per year)	2025	2030	2035	2040	2046
Current Nonpotable Supplies					
Existing MWRP&LAWRP	34,389	34,389	34,389	34,389	34,389
Future MWRP&LAWRP	-	7,623	7,623	7,623	7,623
MWD Imported (Baker, ILP)	17,667	17,667	17,667	17,667	17,667
Irvine Desalter	3,461	3,461	3,461	3,461	3,461
Native Water	-	-	-	-	-
Maximum Supply Capability	55,517	63,140	63,140	63,140	63,140
Baseline Demand	32,271	31,407	30,948	31,025	31,118
Demand with Project	32,271	31,396	30,936	31,014	31,106
WRMP Build-out Demand	32,271	31,396	30,936	31,014	31,106
Reserve Supply with Project	23,246	31,744	32,204	32,126	32,034

Note: Downward trend reflects reduction in agricultural use over time.

MWD Imported Supplies are shown at 16% reduction off of average connected capacity.

Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

Figure 7
IRWD Multiple Dry-Year Supply & Demand - Nonpotable Water



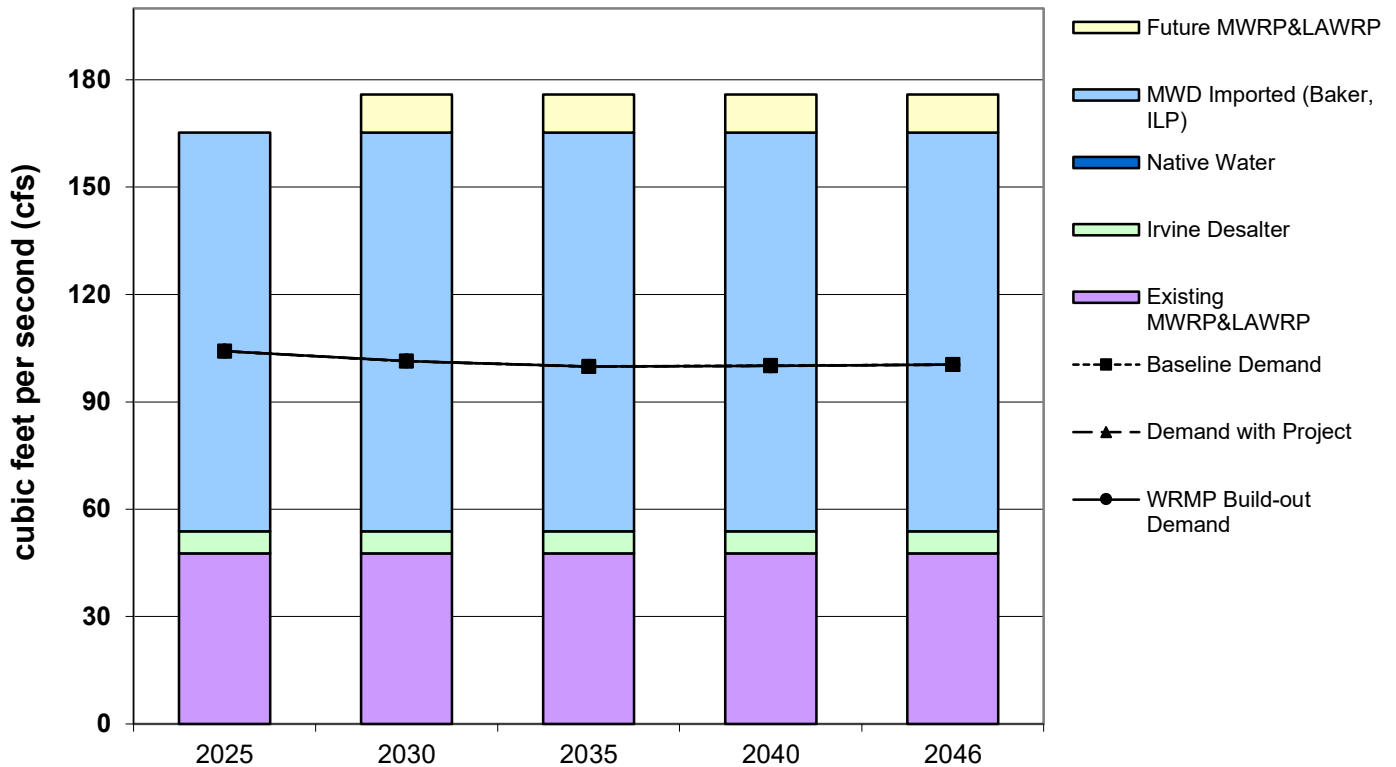
(in acre-feet per year)	2025	2030	2035	2040	2046
<u>Current Nonpotable Supplies</u>					
Existing MWRP&LAWRP	34,389	34,389	34,389	34,389	34,389
Future MWRP&LAWRP	-	7,623	7,623	7,623	7,623
MWD Imported (Baker, ILP)	17,667	17,667	17,667	17,667	17,667
Irvine Desalter	3,461	3,461	3,461	3,461	3,461
Native Water	-	-	-	-	-
Maximum Supply Capability	55,517	63,140	63,140	63,140	63,140
Baseline Demand	32,271	31,407	30,948	31,025	31,118
Demand with Project	32,271	31,396	30,936	31,014	31,106
WRMP Build-out Demand	32,271	31,396	30,936	31,014	31,106
Reserve Supply with Project	23,246	31,744	32,204	32,126	32,034

Note: Downward trend reflects reduction in agricultural use over time.

MWD Imported Supplies are shown at 16% reduction off of average connected capacity.

Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

Figure 8
IRWD Maximum-Dry Supply & Demand - Nonpotable Water

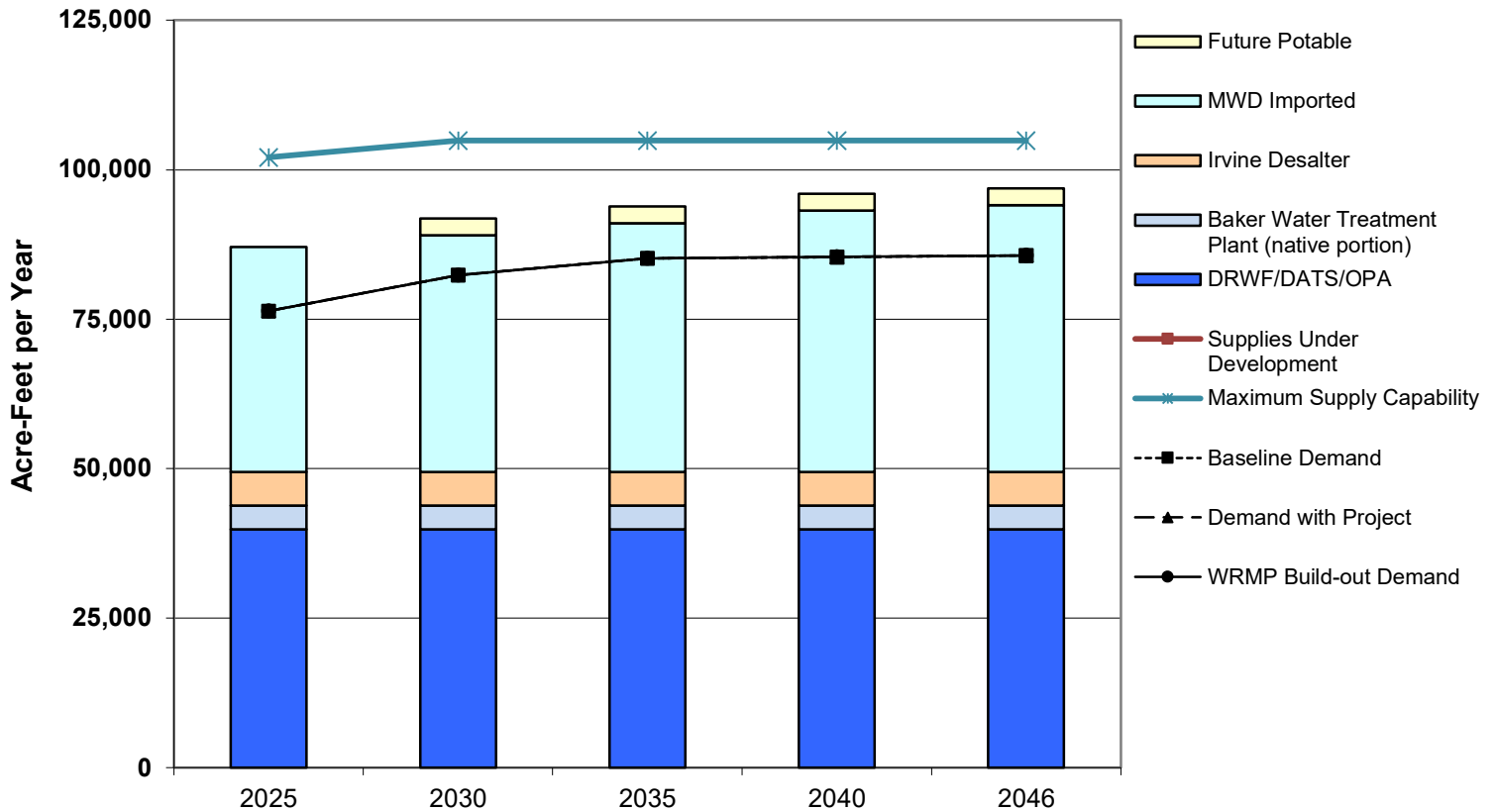


(in cfs)	2025	2030	2035	2040	2046
<u>Current Nonpotable Supplies</u>					
Existing MWRP&LAWRP	47.6	47.6	47.6	47.6	47.6
Future MWRP&LAWRP	-	10.5	10.5	10.5	10.5
MWD Imported (Baker, ILP)	111.5	111.5	111.5	111.5	111.5
Irvine Desalter	6.2	6.2	6.2	6.2	6.2
Native Water	-	-	-	-	-
Maximum Supply Capability	165.3	175.8	175.8	175.8	175.8
Baseline Demand	104.1	101.4	99.9	100.1	100.4
Demand with Project	104.1	101.3	99.8	100.1	100.4
WRMP Build-out Demand	104.1	101.3	99.8	100.1	100.4
Reserve Supply with Project	61.2	74.5	76.0	75.7	75.4

Notes: Downward trend reflects reduction in agricultural use over time.

By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

Figure 1a
IRWD Normal-Year Supply & Demand - Potable Water
Under Temporary MWD Allocation*

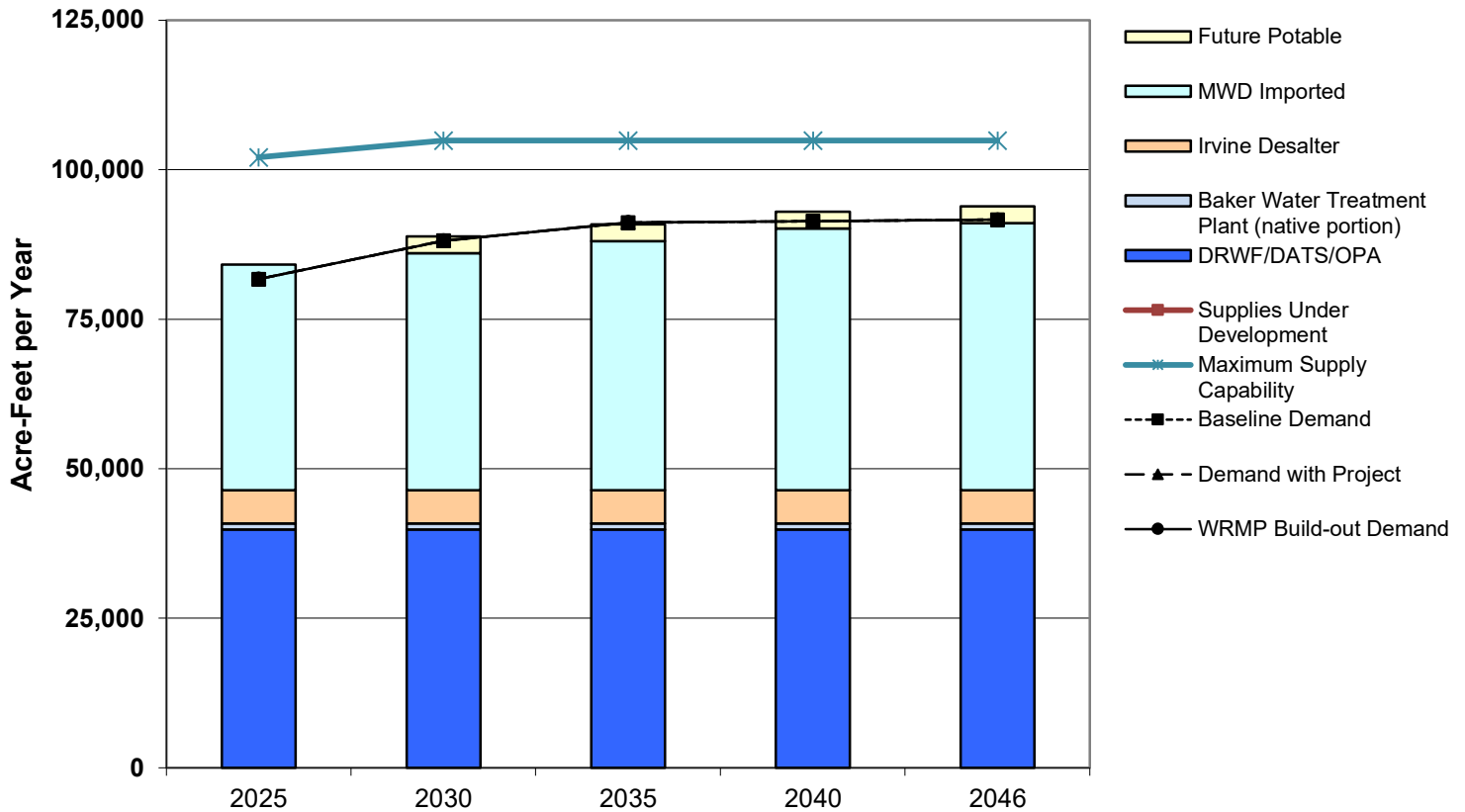


(in acre-feet per year)	2025	2030	2035	2040	2046
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Baker)	37,670	39,592	41,611	43,734	44,613
DRWF/DATS/OPA	39,818	39,818	39,818	39,818	39,818
Irvine Desalter	5,618	5,618	5,618	5,618	5,618
Wells 21 & 22	2,400	2,400	2,400	2,400	2,400
Baker Water Treatment Plant (native portion)	4,000	4,000	4,000	4,000	4,000
Supplies Under Development					
Future Potable	-	2,800	2,800	2,800	2,800
Maximum Supply Capability	89,506	94,228	96,247	98,370	99,249
Baseline Demand	76,355	82,350	85,181	85,394	85,651
Demand with Project	76,372	82,367	85,198	85,412	85,668
WRMP Build-out Demand	76,372	82,367	85,198	85,412	85,668
Reserve Supply with Project	13,134	11,861	11,049	12,958	13,581

*For illustration purposes, IRWD has shown MWD Imported Supplies as estimated under a MWD short-term allocation up to a level in all of the 5-year increments. This does not reflect a reduction in demands, thus representing a conservative view of supply capability.

Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

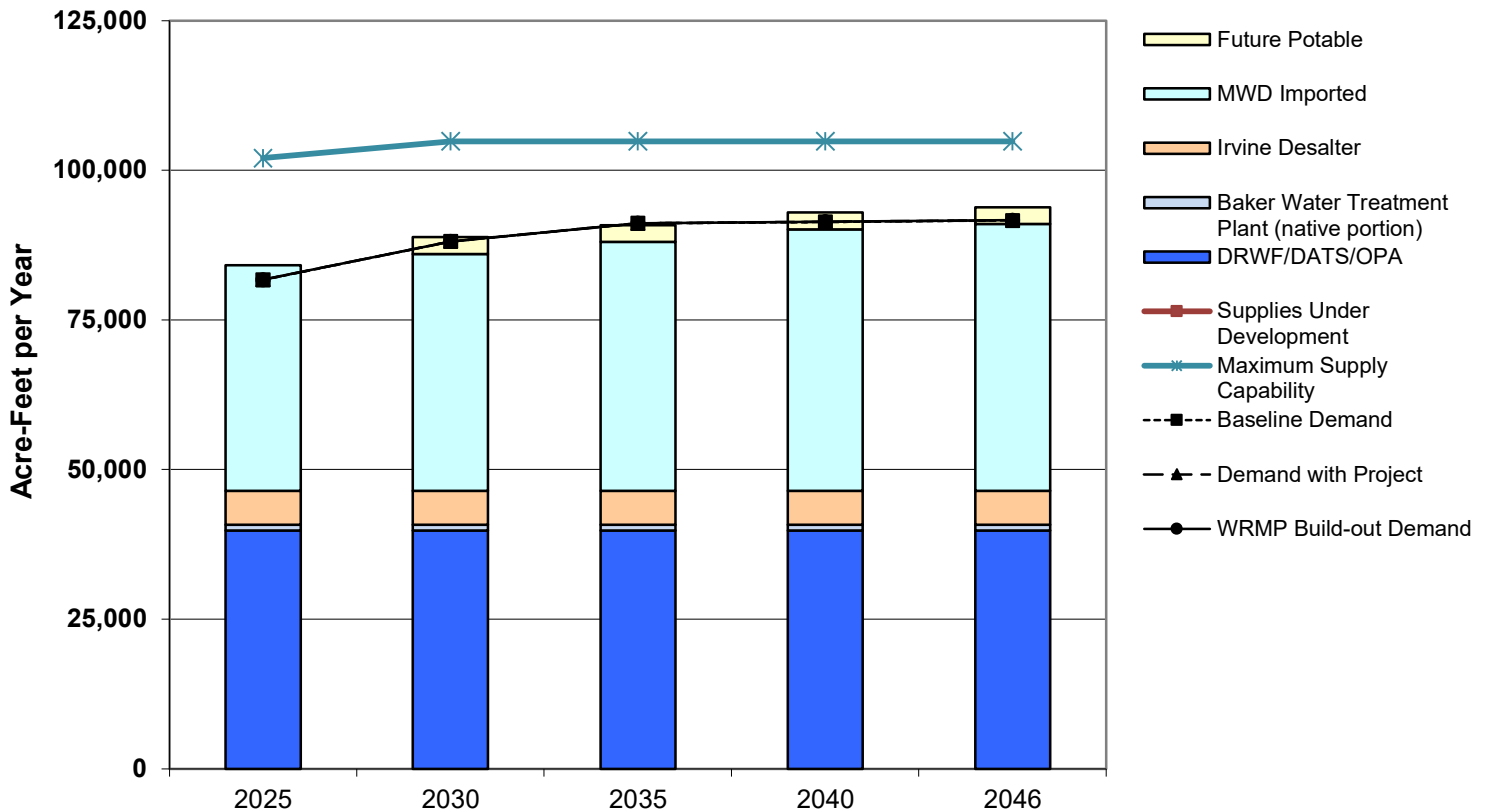
Figure 2a
IRWD Single Dry-Year Supply & Demand - Potable Water
Under Temporary MWD Allocation*



(in acre-feet per year)	2025	2030	2035	2040	2046
<u>Current Potable Supplies</u>					
MWD Imported (EOCF#2, AMP, OCF, Baker)	37,670	39,592	41,611	43,734	44,613
DRWF/DATS/OPA	39,818	39,818	39,818	39,818	39,818
Irvine Desalter	5,618	5,618	5,618	5,618	5,618
Wells 21 & 22	2,400	2,400	2,400	2,400	2,400
Baker Water Treatment Plant (native portion)	1,000	1,000	1,000	1,000	1,000
<u>Supplies Under Development</u>					
Future Potable	-	2,800	2,800	2,800	2,800
Maximum Supply Capability	86,506	91,228	93,247	95,370	96,249
Baseline Demand	81,700	88,115	91,144	91,372	91,647
Demand with Project	81,718	88,133	91,162	91,391	91,665
WRMP Build-out Demand	81,718	88,133	91,162	91,391	91,666
Reserve Supply with Project	4,788	3,095	2,085	3,979	4,584

*For illustration purposes, IRWD has shown MWD Imported Supplies as estimated under a MWD short-term allocation up to a level 5
Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.
measures as described in the 2020 UWMP. Under a MWD Allocation, the Baker WTP would be limited to available MWD and native water.

Figure 3a
IRWD Multiple Dry-Year Supply & Demand - Potable Water
Under Temporary MWD Allocation*



(in acre-feet per year)	2025	2030	2035	2040	2046
<u>Current Potable Supplies</u>					
MWD Imported (EOCF#2, AMP, OCF, Baker)	37,670	39,592	41,611	43,734	44,613
DRWF/DATS/OPA	39,818	39,818	39,818	39,818	39,818
Irvine Desalter	5,618	5,618	5,618	5,618	5,618
Wells 21 & 22	2,400	2,400	2,400	2,400	2,400
Baker Water Treatment Plant (native portion)	1,000	1,000	1,000	1,000	1,000
<u>Supplies Under Development</u>					
Future Potable	-	2,800	2,800	2,800	2,800
Maximum Supply Capability	86,506	91,228	93,247	95,370	96,249
Baseline Demand	81,700	88,115	91,144	91,372	91,647
Demand with Project	81,718	88,133	91,162	91,391	91,665
WRMP Build-out Demand	81,718	88,133	91,162	91,391	91,665
Reserve Supply with Project	4,788	3,095	2,085	3,979	4,584

*For illustration purposes, IRWD has shown MWD Imported Supplies as estimated under a MWD short-term allocation up to a level 5

Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments.

measures as described in the 2020 UWMP. Under a MWD Allocation, the Baker WTP would be limited to available MWD and native water.

2. Information concerning supplies

(a)(1) Existing sources of identified water supply for the proposed Project.

IRWD does not allocate particular supplies to any project, but identifies total supplies for its service area, as described below.

(b) Required information concerning currently available and under-development water supply entitlements, water rights and water service contracts:

(1) Written contracts or other proof of entitlement.^{4 5}

•POTABLE SUPPLY - IMPORTED⁶

Potable imported water service connections (currently available).

(i) Potable imported water is delivered to IRWD at various service connections to the imported water delivery system of The Metropolitan Water District of Southern California ("MWD"): service connections CM-01A and OC-7 (Orange County Feeder); CM-10, CM-12, OC-38, OC-39, OC-57, OC-58, OC-63 (East Orange County Feeder No. 2); and OC-68, OC-71, OC-72, OC-73/73A, OC-74, OC-75, OC-83, OC-84, OC-87 (Allen-McColloch Pipeline). IRWD's entitlements regarding service from the MWD delivery system facilities are described in the following paragraphs and summarized in the above Table ((2)(a)(1)). IRWD receives imported water service through Municipal Water District of Orange County ("MWDOC"), a member agency of MWD.

Allen-McColloch Pipeline ("AMP") (currently available).

(ii) Agreement For Sale and Purchase of Allen-McColloch Pipeline, dated as of July 1, 1994 (Metropolitan Water District Agreement No. 4623) ("AMP Sale Agreement"). Under the AMP Sale Agreement, MWD purchased the Allen-McColloch Pipeline (formerly known as the "Diemer Intertie") from MWDOC, the MWDOC Water Facilities Corporation and certain agencies, including IRWD and Los Alisos Water District ("LAWD"),⁷ identified as "Participants" therein. Section

⁴ In some instances, the contractual and other legal entitlements referred to in the following descriptions are stated in terms of flow capacities, in cubic feet per second (cfs). In such instances, the cfs flows are converted to volumes of AFY for purposes of analyzing supply sufficiency in this assessment, by dividing the capacity by a peaking factor of 1.8 (potable) or 2.5 (nonpotable), consistent with maximum day peaking factors used in the WRMP. The resulting reduction in assumed available annual AFY volumes through the application of these factors recognizes that connected capacity is provided to meet peak demands and that seasonal variation in demand and limitations in local storage prevent these capacities from being utilized at peak capacity on a year-round basis. However, the application of these factors produces a conservatively low estimate of annual AFY volumes from these connections; additional volumes of water are expected to be available from these sources.

⁵ In the following discussion, contractual and other legal entitlements are characterized as either potable or nonpotable, according to the characterization of the source of supply. Some of the nonpotable supplies surplus to nonpotable demand could potentially be rendered potable by the addition of treatment facilities; however, except where otherwise noted, IRWD has no current plans to do so.

⁶ See Imported Supply - Additional Information, below, concerning the availability of the MWD supply.

⁷ IRWD has succeeded to LAWD's interests in the AMP and other LAWD water supply facilities and rights

5.02 of the AMP Sale Agreement obligates MWD to meet IRWD's and the other Participants' requests for deliveries and specified minimum hydraulic grade lines at each connection serving a Participant, subject to availability of water. MWD agrees to operate the AMP as any other MWD pipeline. MWD has the right to operate the AMP on a "utility basis," meaning that MWD need not observe capacity allocations of the Participants but may use available capacity to meet demand at any service connection.

The AMP Sale Agreement obligates MWD to monitor and project AMP demands and to construct specified pump facilities or make other provision for augmenting MWD's capacity along the AMP, at MWD's expense, should that be necessary to meet demands of all of the Participants (Section 5.08).

(iii) Agreement For Allocation of Proceeds of Sale of Allen-McColloch Pipeline, dated as of July 1, 1994 ("AMP Allocation Agreement"). This agreement, entered into concurrently with the AMP Sale Agreement, provided each Participant, including IRWD, with a capacity allocation in the AMP, for the purpose of allocating the sale proceeds among the Participants in accordance with their prior contractual capacities adjusted to conform to their respective future demands. IRWD's capacity under the AMP Allocation Agreement (including its capacity as legal successor agency to LAWD) is 64.69 cfs at IRWD's first four AMP connections, 49.69 cfs at IRWD's next five downstream AMP connections and 35.01 and 10.00 cfs, respectively at IRWD's remaining two downstream connections. The AMP Allocation Agreement further provides that if a Participant's peak flow exceeds its capacity, the Participant shall "purchase" additional capacity from the other Participants who are using less than their capacity, until such time as MWD augments the capacity of the AMP. The foregoing notwithstanding, as mentioned in the preceding paragraph, the allocated capacities do not alter MWD's obligation under the AMP Sale Agreement to meet all Participants' demands along the AMP, and to augment the capacity of the AMP if necessary. Accordingly, under these agreements, IRWD can legally increase its use of the AMP beyond the above-stated capacities but would be required to reimburse other Participants from a portion of the proceeds IRWD received from the sale of the AMP.

(iv) Improvement Subleases (or "FAP" Subleases) [MWDOC and LAWD; MWDOC and IRWD], dated August 1, 1989; 1996 Amended and Restated Allen-McColloch Pipeline Subleases [MWDOC and LAWD; MWDOC and IRWD], dated March 1, 1996. IRWD subleases its AMP capacity, including the capacity it acquired as successor to LAWD. To facilitate bond financing for the construction of the AMP, it was provided that the MWDOC Water Facilities Corporation, and subsequently MWDOC, would have ownership of the pipeline, and the Participants would be sublessees. As is the case with the AMP Sale Agreement, the subleases similarly provide that water is subject to availability.

mentioned in this assessment, by virtue of the consolidation of IRWD and LAWD on December 31, 2000.

East Orange County Feeder No. 2 (“EOCF#2”) (currently available).

(v) Agreement For Joint Exercise of Powers For Construction, Operation and Maintenance of East Orange County Feeder No. 2, dated July 11, 1961, as amended on July 25, 1962, and April 26, 1965; Agreement Re Capacity Rights In Proposed Water Line, dated September 11, 1961 (“IRWD MWDOC Assignment Agreement”); Agreement Regarding Capacity Rights In the East Orange County Feeder No. 2, dated August 28, 2000 (“IRWD Coastal Assignment Agreement”). East Orange County Feeder No. 2 (“EOCF#2”), a feeder linking Orange County with MWD’s feeder system, was constructed pursuant to a joint powers agreement among MWDOC (then called Orange County Municipal Water District), MWD, Coastal Municipal Water District (“Coastal”), Anaheim and Santa Ana. A portion of IRWD’s territory is within MWDOC and the remainder is within the former Coastal (which was consolidated with MWDOC in 2001). Under the IRWD MWDOC Assignment Agreement, MWDOC assigned 41 cfs of capacity to IRWD in the reaches of EOCF#2 upstream of the point known as Coastal Junction (reaches 1 through 3), and 27 cfs in reach 4, downstream of Coastal Junction. Similarly, under the IRWD Coastal Assignment Agreement, prior to Coastal’s consolidation with MWDOC, Coastal assigned to IRWD 0.4 cfs of capacity in reaches 1 through 3 and 0.6 cfs in reach 4 of EOCF#2. Delivery of water through EOCF#2 is subject to the rules and regulations of MWD and MWDOC and is further subject to application and agreement of IRWD respecting turnouts.

Orange County Feeder (currently available)

(vi) Agreement, dated March 13, 1956. This 1956 Agreement between MWDOC’s predecessor district and the Santa Ana Heights Water Company (“SAHWC”) provides for delivery of MWD imported supply to the former SAHWC service area. SAHWC’s interests were acquired on behalf of IRWD through a stock purchase and IRWD annexation of the SAHWC service area in 1997. The supply is delivered through a connection to MWD’s Orange County Feeder designated as OC-7.

(vii) Agreement For Transfer of Interest In Pacific Coast Highway Water Transmission and Storage Facilities From The Irvine Company To the Irvine Ranch Water District, dated April 23, 1984; Joint Powers Agreement For the Construction, Operation and Maintenance of Sections 1a, 1b and 2 of the Coast Supply Line, dated June 9, 1989; Agreement, dated January 13, 1955 (“1955 Agreement”). The jointly constructed facility known as the Coast Supply Line (“CSL”), extending southward from a connection with MWD’s Orange County Feeder at Fernleaf Street in Newport Beach, was originally constructed pursuant to a 1952 agreement among Laguna Beach County Water District (“LBCWD”), The Irvine Company (TIC) and South Coast County Water District. Portions were later reconstructed. Under the above-referenced transfer agreement in 1984, IRWD succeeded to TIC’s interests in the CSL. The CSL is presently operated under the above-referenced 1989 joint powers agreement, which reflects IRWD’s ownership of 10 cfs of capacity. The 1989 agreement obligates LBCWD, as the managing agent and trustee for the CSL, to purchase water and deliver it into the CSL for IRWD. LBCWD purchases such supply, delivered by MWD to the Fernleaf connection, pursuant to the 1955 Agreement with Coastal (now MWDOC).

Baker Water Treatment Plant (currently available)

IRWD recently constructed the Baker Water Treatment Plant (Baker WTP) in partnership with El Toro Water District, Moulton-Niguel Water District, Santa Margarita Water District and Trabuco Canyon Water District. The Baker WTP is supplied with untreated imported water from MWD and native Irvine Lake water supply. IRWD owns 10.5 cfs of treatment capacity rights in the Baker WTP.⁸

•POTABLE SUPPLY - GROUNDWATER

(i) Orange County Water District Act (“OCWD”), Water Code App., Ch. 40 (“Act”). IRWD is an operator of groundwater-producing facilities in the Orange County Groundwater Basin (the “Basin”). Although the rights of the producers within the Basin vis a vis one another have not been adjudicated, they nevertheless exist and have not been abrogated by the Act (§40-77). The rights consist of municipal appropriators’ rights and may include overlying and riparian rights. The Basin is managed by OCWD under the Act, which functions as a statutorily-imposed physical solution. The Act empowers OCWD to impose replenishment assessments and basin equity assessments on production and to require registration of water-producing facilities and the filing of certain reports; however, OCWD is expressly prohibited from limiting extraction unless a producer agrees to such limitation (§ 40-2(6) (c)) and from impairing vested rights to the use of water (§ 40-77). Thus, producers may install and operate production facilities under the Act; OCWD approval is not required. OCWD is required to annually investigate the condition of the Basin, assess overdraft and accumulated overdraft, and determine the amount of water necessary for replenishment (§40-26). OCWD has studied the Basin replenishment needs and potential projects to address growth in demand through 2035 in its Final Draft Long-Term Facilities Plan (January 2006), last updated November 19, 2014. The Long-Term Facilities Plan is updated approximately every five years.

(ii) *Irvine Ranch Water District v. Orange County Water District*, Orange County Superior Court Case No. 795827. A portion of IRWD is outside the jurisdictional boundary of OCWD. IRWD is eligible to annex the Santa Ana River Watershed portion of this territory to OCWD, under OCWD’s current annexation policy (OCWD Resolution No. 86-2-15, adopted on February 19, 1986, and reaffirmed on June 2, 1999). This September 29, 1998, Superior Court ruling indicates that IRWD is entitled to deliver groundwater from the Basin to the IRWD service area irrespective of whether such area is also within OCWD.

⁸ The Baker WTP is supplied nonpotable imported water through the existing Baker Pipeline. IRWD’s existing Baker Pipeline capacity (see Section 2(b)(1) NONPOTABLE SUPPLY – IMPORTED) has been apportioned to the Baker WTP participants based on Baker WTP capacity ownership, and IRWD retains 10.5 cfs of pipeline capacity through the Baker WTP for potable supply and retains 36 cfs in Reach 1U of the Baker Pipeline capacity for nonpotable supply. In 2023, IRWD executed an agreement that sells 3 cfs to South County agencies, leaving 7.5 cfs for daily use for IRWD. However, should an emergency arise, IRWD retains the right to the use of the 3 cfs sold.

Dyer Road Wellfield (“DRWF”) / Deep Aquifer Treatment System (“DATS”) (currently available)

(iii) Agreement For Water Production and Transmission Facilities, dated March 18, 1981, as amended May 2, 1984, September 19, 1990, and November 3, 1999 (the “DRWF Agreement”). The DRWF Agreement, among IRWD, OCWD and Santa Ana, concerns the development of IRWD’s Dyer Road Wellfield (DRWF), within the Basin. The DRWF consists of 16 wells pumping from the non-colored water zone of the Basin and 2 wells (with colored-water treatment facilities) pumping from the deep, colored-water zone of the Basin (the colored-water portion of the DRWF is sometimes referred to as the Deep Aquifer Treatment System or DATS.) Under the DRWF Agreement, an “equivalent” basin production percentage (“BPP”) has been established for the DRWF, currently 28,000 AFY of non-colored water and 8,000 AFY of colored water, provided any amount of the latter 8,000 AFY not produced results in a matching reduction of the 28,000 AFY BPP. Although typically IRWD production from the DRWF does not materially exceed the equivalent BPP, the equivalent BPP is not an extraction limitation; it results in imposition of monetary assessments on the excess production. The DRWF Agreement also establishes monthly pumping amounts for the DRWF. With the addition of the Concentrated Treatment System (“CATS”), IRWD has increased the yield of DATS.

Irvine Subbasin / Irvine Desalter (currently available)

(iv) First Amended and Restated Agreement, dated March 11, 2002, as amended June 15, 2006, restating May 5, 1988 agreement (“Irvine Subbasin Agreement”). TIC has historically pumped agricultural water from the Irvine Subbasin. (As in the rest of the Basin of which this subbasin is a part, the groundwater rights have not been adjudicated and OCWD provides governance and management under the Act.) The 1988 agreement between IRWD and TIC provided for the joint use and management of the Irvine Subbasin. The 1988 agreement further provided that the 13,000 AFY annual yield of the Irvine Subbasin (“Subbasin”) would be allocated 1,000 AFY to IRWD and 12,000 AFY to TIC. Under the restated Irvine Subbasin Agreement, the foregoing allocations were superseded as a result of TIC’s commencement of the building its Northern Sphere Area project, with the effect that the Subbasin production capability, wells and other facilities, and associated rights have been transferred from TIC to IRWD, and IRWD has assumed the production from the Subbasin. In consideration of the transfer, IRWD is required to count the supplies attributable to the transferred Subbasin production in calculating available supplies for the Northern Sphere Area project and other TIC development and has agreed that they will not be counted toward non-TIC development.

A portion of the existing Subbasin water production facilities produce water which is of potable quality. IRWD could treat some of the water produced from the Subbasin for potable use, by means of the Desalter and other projects. Although, as noted above, the Subbasin has not been adjudicated and is managed by OCWD, TIC reserved water rights from conveyances of its lands as development over the Subbasin has occurred, and under the Irvine Subbasin Agreement TIC has transferred its rights to IRWD.

(v) Second Amended and Restated Agreement Between Orange County Water

District and Irvine Ranch Water District Regarding the Irvine Desalter Project, dated June 11, 2001, and other agreements referenced therein. This agreement provides for the extraction and treatment of subpotable groundwater from the Irvine Subbasin, a portion of the Basin. As is the case with the remainder of the Basin, IRWD's entitlement to extract this water is not adjudicated, but the use of the entitlement is governed by the OCWD Act. (See also, discussion of Irvine Subbasin in the preceding paragraph.) A portion of the product water has been delivered into the IRWD potable system, and the remainder has been delivered into the IRWD nonpotable system.

Orange Park Acres (currently available)

On June 1, 2008, through annexation and merger, IRWD acquired the water system of the former Orange Park Acres Mutual Water company, including its well ("OPA Well"). The well is operated within the Basin.

Wells 21 and 22 (currently available)

In early 2013, IRWD completed construction of treatment facilities, pipelines, and wellhead facilities for Wells 21 and 22. Water supplied through this project became available in 2013. The wells are operated within the Basin.

Irvine Wells (under development)

(vi) IRWD is pursuing the installation of production facilities in the west Irvine, Tustin Legacy and Tustin Ranch portions of the Basin. These groundwater supplies are considered to be under development; however, four wells have been drilled and have previously produced groundwater, three wells have been drilled but have not been used as production wells to date, and a site for an additional well and treatment facility has been acquired by IRWD. These production facilities can be constructed and operated under the Act; no statutory or contractual approval is required to do so. Appropriate environmental review has or will be conducted for each facility. See discussion of the Act under Potable Supply - Groundwater, paragraph (i), above.

• **NONPOTABLE SUPPLY - RECYCLED**

Water Recycling Plants (currently available)

Water Code Section 1210. IRWD supplies its own recycled water from sewage collected by IRWD and delivered to IRWD's Michelson Water Recycling Plant ("MWRP") and Los Alisos Water Recycling Plant ("LAWRP"). Under the recently completed MWRP Phase II Capacity Expansion Project, IRWD increased its tertiary treatment capacity on the existing MWRP site to produce sufficient recycled water to meet the projected demand through the year 2045. MWRP currently has a permitted tertiary capacity of 28 million gallons per day ("MGD") and LAWRP currently has a permitted tertiary capacity of 5.5 MGD. Water Code Section 1210 provides that the owner of a sewage treatment plant operated for the purposes of treating wastes from a sanitary sewer system holds the exclusive right to the treated effluent as against anyone who has supplied the water discharged into the sewer system. IRWD's permits for the operation of MWRP and LAWRP allow only irrigation and other customer uses of recycled water, and

do not permit stream discharge of recycled water under normal conditions; thus, no issue of downstream appropriation arises, and IRWD is entitled to deliver all of the effluent to meet contractual and customer demands. Additional reclamation capacity will augment local nonpotable supplies and improve reliability.

•**NONPOTABLE SUPPLY - IMPORTED⁹**

Baker Pipeline (currently available)

Santiago Aqueduct Commission (“SAC”) Joint Powers Agreement, dated September 11, 1961, as amended December 20, 1974, January 13, 1978, November 1, 1978, September 1, 1981, October 22, 1986, and July 8, 1999 (the “SAC Agreement”); Agreement Between Irvine Ranch Water District and Carma-Whiting Joint Venture Relative to Proposed Annexation of Certain Property to Irvine Ranch Water District, dated May 26, 1981 (the “Whiting Annexation Agreement”); service connections OC-13/13A, OC-33/33A. The imported untreated water pipeline initially known as the Santiago Aqueduct and now known as the Baker Pipeline was constructed under the SAC Agreement, a joint powers agreement. The Baker Pipeline is connected to MWD’s Santiago Lateral. IRWD’s capacity in the Baker Pipeline includes the capacity it subleases as successor to LAWD, as well as capacity rights IRWD acquired through the Whiting Annexation Agreement. (To finance the construction of AMP parallel untreated reaches which were incorporated into the Baker Pipeline, replacing original SAC untreated reaches that were made a part of the AMP potable system, it was provided that the MWDOC Water Facilities Corporation, and subsequently MWDOC, would have ownership, and the participants would be sublessees.) IRWD’s original capacities in the Baker Pipeline include 52.70 cfs in the first reach, 12.50 cfs in each of the second, third and fourth reaches and 7.51 cfs in the fifth reach of the Baker Pipeline. These existing Baker Pipeline capacities have been apportioned to the Baker WTP participants based on Baker WTP capacity ownership. IRWD retains 10.5 cfs of the pipeline capacity for potable supply through the Baker WTP and retains 36 cfs in Reach 1U of the Baker Pipeline capacity for nonpotable supply (See also footnote 8, page 27). In 2023, IRWD executed an Agreement that sells 3 cfs to South County agencies, leaving 7.5 cfs for daily use for IRWD. However, should an emergency arise, IRWD retains the right to use the 3 cfs sold. Water is subject to availability from MWD.

•**NONPOTABLE SUPPLY - NATIVE**

Irvine Lake (currently available)

(i) Permit For Diversion and Use of Water (“Permit No. 19306”) issued pursuant to Application No. 27503; License For Diversion and Use of Water (“License 2347”) resulting from Application No. 4302 and Permit No. 3238; License For Diversion and Use of Water (“License 2348”) resulting from Application No. 9005 and Permit No. 5202, and License For Diversion and Use of Water (“License

⁹ See Imported Supply - Additional Information, below, for information concerning the availability of the MWD supply.

2349”) resulting from Application No. 9314. The foregoing permit and licenses, held solely by IRWD (as successor to The Irvine Company (“TIC”), Carpenter Irrigation District (“CID”), and Serrano Water District (“SWD”)), secure appropriate rights to the flows of Santiago Creek. Under Licenses 2347, 2348, and 2349 IRWD has the right to diversion by storage at Santiago Dam (Irvine Lake) and a submerged dam, of a total of 25,830 AFY. Under Permit No. 19306, IRWD has the right to diversion by storage of an additional 3,000 AFY by flashboards at Santiago Dam (Irvine Lake), as well as 15 cfs by direct diversion. (Rights under Permit No. 19306 may be junior to an OCWD permit to divert up to 35,000 AFY of Santiago Creek flows to spreading pits downstream of Santiago Dam.) The combined total of native water that may be diverted to storage in Irvine Lake, which is solely owned by IRWD, under these licenses and permit is 28,000 AFY. A 1996 amendment to License Nos. 2347, 2348 and 2349 limits the withdrawal of water from the Lake to 15,483 AFY under the licenses. This limitation specifically references the licensed water, and doesn’t reference water stored pursuant to other legal entitlements (e.g. imported water).

• **NONPOTABLE SUPPLY - GROUNDWATER**

Irvine Subbasin / Irvine Desalter (currently available)

(i) IRWD’s entitlement to produce nonpotable water from the Irvine Subbasin is included within the Irvine Subbasin Agreement. See discussion of the Irvine Subbasin Agreement under Potable Supply - Groundwater; paragraph (iv), above.

(ii) See discussion of the Irvine Desalter project under Potable Supply - Groundwater, paragraph (v), above. The Irvine Desalter project will produce nonpotable as well as potable water.

• **IMPORTED SUPPLY - ADDITIONAL INFORMATION**

As described above, the imported supply from MWD is contractually subject to availability. To assist local water providers in assessing the adequacy of local water supplies that are reliant in whole or in part on MWD’s imported supply, MWD has provided information concerning the availability of the supplies to its entire service area. In the MWD 2020 UWMP, MWD has extended its planning timeframe out through 2045 to ensure that the MWD 2020 UWMP may be used as a source document for meeting requirements for sufficient supplies. In addition, the MWD 2020 UWMP includes “Justifications for Supply Projections” (Appendix A-3) that details the planning, legal, financial, and regulatory basis for including each source of supply in the plan. The MWD 2020 UWMP summarizes MWD’s planning initiatives over the past 15 years, which includes the Integrated Resources Plan (IRP), the IRP 2015 Update, the WSDM Plan, Strategic Plan and Rate Structure. The reliability analysis in MWD’s 2015 IRP Update shows that MWD can maintain reliable supplies under the conditions that have existed in past dry periods throughout the period through 2040. The MWD 2020 UWMP includes tables that show the region can provide reliable supplies under both the single driest year (1977) and multiple dry years (1990-92) through 2045. MWD has also identified buffer supplies, including additional State Water Project groundwater storage and transfers that could serve to supply the additional water needed.

It is anticipated that MWD will revise its regional supply availability analysis periodically, if needed, to supplement the MWD 2020 UWMP in years when the MWD UWMP is not being updated.

IRWD is permitted by the statute (Wat. Code, § 10610 *et seq.*) to rely upon the water supply information provided by the wholesaler concerning a wholesale water supply source, for use in preparing its UWMPs. In turn, the statute provides for the use of UWMP information to support water supply assessments and verifications. In accordance with these provisions, IRWD is entitled to rely upon the conclusions of the MWD UWMP. As referenced above under Summary of Results of Demand-Supply Comparisons - **Actions on Delta Pumping**, MWD has provided additional information on its imported water supply.

MWD's reserve supplies, together with the fact that IRWD relies on MWD supplies as supplemental supplies that need not be used to the extent IRWD operates currently available and under-development local supplies, build a margin of safety into IRWD's supply availability.

(2) Adopted capital outlay program to finance delivery of the water supplies.

All necessary delivery facilities currently exist for the use of the *currently available* and *under-development* supplies assessed herein, with the exception of future groundwater wells, and IRWD sub-regional and developer-dedicated conveyance facilities necessary to complete the local distribution systems for the Project. IRWD's turnout at each MWD connection and IRWD's regional delivery facilities are sufficiently sized to deliver all of the supply to the sub-regional and local distribution systems.

With respect to future groundwater well projects (PR Nos. 11828 and 11829), IRWD adopted its fiscal year 2023-24 capital budget on April 24, 2023 (Resolution No. 2023-6) and the mid-cycle capital budget for fiscal year 2024-25 was adopted on May 28, 2024. Budgeting portions of the funds are for such projects. (A copy is available from IRWD on request.) For these facilities, as well as unbuilt IRWD sub-regional conveyance facilities, the sources of funding are previously authorized general obligation bonds, revenue-supported certificates of participation and/or capital funds held by IRWD Improvement Districts. IRWD has maintained a successful program for the issuance of general obligation bonds and certificates of participation on favorable borrowing terms, and IRWD has received AAA public bond ratings. IRWD has approximately \$585.5 million (water) and \$711.1 million (recycled water and sewer) of unissued, voter-approved general obligation bond authorization. Certificates of participation do not require voter approval. Proceeds of bonds and available capital funds are expected to be sufficient to fund all IRWD facilities for delivery of the supplies under development. Tract-level conveyance facilities are required to be donated to IRWD by the Applicant or its successor(s) at time of development.

See also the MWD 2020 UWMP, Appendix A.3 Justifications for Supply Projections with respect to capital outlay programs related to MWD's supplies.

(3) Federal, state and local permits for construction of delivery infrastructure.

Most IRWD delivery facilities are constructed in public right-of-way or future right-of-way. State statute confers on IRWD the right to construct works along, under or across any stream of water, watercourse, street, avenue, highway, railway, canal, ditch, or flume (Water Code Section 35603). Although this right cannot be denied, local agencies may require encroachment permits when work is to be performed within a street. If easements are necessary for delivery infrastructure, IRWD requires the developer to provide them. The crossing of watercourses or areas with protected species requires federal and/or state permits as applicable.

See also the MWD 2020 UWMP, Appendix A.3 Justifications for Supply Projections with respect to permits related to MWD's supplies.

(4) Regulatory approvals for conveyance or delivery of the supplies.

See response to preceding item (3). Additionally, in general, supplies under development may necessitate the preparation and completion of environmental documents and/or regulatory approvals prior to full construction and implementation. IRWD obtains such approvals when required, and copies of documents pertaining to approvals can be obtained from IRWD.

See also the MWD 2020 UWMP, Appendix A.3 Justifications for Supply Projections with respect to regulatory approvals related to MWD's supplies.

3. Other users and contractholders (identified supply not previously used).

For each of the water supply sources identified by IRWD, if no water has been received from that source(s), IRWD is required to identify other public water systems or water service contractholders that receive a water supply from, or have existing water supply entitlements, water rights and water service contracts to, that source(s):

Water has been received from all listed sources. A small quantity of Subbasin water is used by Woodbridge Village Association for the purpose of supplying its North and South Lakes. There are no other public water systems or water service contractholders that receive a water supply from, or have existing water supply entitlements, water rights and water service contracts to, the Irvine Subbasin.

4. Information concerning groundwater included in the supply identified for the Project:

(a) Relevant information in the Urban Water Management Plan (UWMP):

See Irvine Ranch Water District 2020 UWMP, section 6.2.

(b) Description of the groundwater basin(s) from which the Project will be supplied:

The Orange County Groundwater Basin ("Basin") is described in the Orange County Water District Groundwater Management Plan ("GMP") 2015 Update,

dated June 17, 2015¹⁰. The rights of the producers within the Basin vis a vis one another have not been adjudicated. The Basin is managed by the Orange County Water District (“OCWD”) for the benefit of municipal, agricultural, and private groundwater producers. OCWD is responsible for the protection of water rights to the Santa Ana River in Orange County as well as the management and replenishment of the Basin. Current production from the Basin is approximately 260,000 AFY.

The DWR has not identified the Basin as “critically overdrafted,” and has not identified the Basin as overdrafted in its most current bulletin that characterizes the condition of the Basin, Bulletin 118. The efforts being undertaken by OCWD to avoid long-term overdraft in the Basin are described in the OCWD GMP 2015 Update and OCWD Master Plan Report (“MPR”), including in particular, Chapters 4, 5, 6, 14 and 15 of the MPR. OCWD has also prepared a Long Term Facilities Plan (“LTFP”) which was received by the OCWD Board in July 2009 and was last updated in November 2014. The LTFP Chapter 3 describes the efforts being undertaken by OCWD to eliminate long-term overdraft in the Basin. See also following section on “**Sustainable Groundwater Management Act**”.

Although the water supply assessment statute (Water Code Section 10910(f)) refers to elimination of “long-term overdraft,” overdraft includes conditions which may be managed for optimum basin storage, rather than eliminated. OCWD’s Act defines annual groundwater overdraft to be the quantity by which production exceeds the natural replenishment of the Basin. Accumulated overdraft is defined in the OCWD Act to be the quantity of water needed in the groundwater basin forebay to prevent landward movement of seawater into the fresh groundwater body. However, seawater intrusion control facilities have been constructed by OCWD since the Act was written and have been effective in preventing landward movement of seawater. These facilities allow greater utilization of the storage capacity of the Basin.

OCWD has invested over \$250 million in seawater intrusion control (injection barriers), recharge facilities, laboratories, and Basin monitoring to effectively manage the Basin. Consequently, although the Basin is defined to be in an “overdraft” condition, it is actually managed to allow utilization of up to 500,000 acre-feet of storage capacity of the basin during dry periods, acting as an underground reservoir and buffer against drought. OCWD has an optimal basin management target of 100,000 acre-feet of accumulated overdraft provides sufficient storage space to accommodate increased supplies from one wet year while also provide enough water in storage to offset decreased supplies during a two- to three year drought. If the Basin is too full, artesian conditions can occur along the coastal area, causing rising water and water logging, an adverse condition. Since the formation of OCWD in 1933, OCWD has made substantial investment in facilities, Basin management and water rights protection, resulting in the elimination and prevention of adverse long-term “mining” overdraft conditions. OCWD continues to develop new replenishment supplies, recharge capacity and basin protection measures to meet projected production from the basin during normal rainfall and drought periods. (OCWD GMP, OCWD MPR and LTFP)

¹⁰ OCWD has also prepared a Long-Term Facilities Plan which was received and filed by its Board in July 2009, and last updated in November 2014.

OCWD's efforts include ongoing replenishment programs and planned capital improvements. It should be noted under OCWD's management of overdraft to maximize the Basin's use for annual production and recharge operations, overdraft varies over time as the Basin is managed to keep it in balance over the long term. The Basin is not operated on an annual safe-yield basis. (OCWD GMP, OCWD MPR, section 3.2 and LTFP, section 6). See also the following section on "***Sustainable Groundwater Management Act***".

(c) Description and analysis of the amount and location of groundwater pumped by IRWD from the Basin for the past five years:

The following table shows the amounts pumped, by groundwater source since the year 2002:

(In AFY)

Year (ending 6/30)	DRWF/DATS/ OPA/21-22	Irvine Subbasin (IRWD)	Irvine Subbasin (TIC)	LAWD ¹¹
2024	38,546	2,681	0	0
2023	36,558	4,692	0	0
2022	35,344	5,159	0	0
2021	38,722	3,644	0	0
2020	33,975	4,005	0	0
2019	38,603	3,961	0	0
2018	38,196	4,619	0	0
2017	39,787	4,077	0	169
2016	37,216	4,672	0	307
2015	40,656	9,840	0	336
2014	42,424	10,995	0	376
2013	38,617	8,629	0	282
2012	37,059	7,059	0	0
2011	34,275	7,055	0	0
2010	37,151	8,695	0	3
2009	38,140	7,614	0	0
2008	36,741	4,539	0	16
2007	37,864	5,407	0	6
2006	37,046	2,825	0	268

¹¹ The water produced from IRWD's Los Alisos wells is not included in this assessment. IRWD is presently evaluating the future use of these wells.

2005	36,316	2,285	628	357
2004	30,265	1,938	3,079	101
2003	24,040	2,132	4,234	598
2002	25,855	2,533	5,075	744

(d) Description and analysis of the amount and location of groundwater projected to be pumped by IRWD from the Basin:

IRWD has a developed groundwater supply of 35,200 AFY from its Dyer Road Wellfield (including the Deep Aquifer Treatment System), in the main portion of the Basin.

Although TIC's historical production from the Subbasin declined as its use of the Subbasin for agricultural water diminished, OCWD's and other historical production records for the Subbasin show that production has been as high as 13,000 AFY. Plans are also underway to expand IRWD's main Orange County Groundwater Basin supply (characterized as *under-development* supplies herein). (See Section 2 (a) (1) herein). IRWD anticipates the development of potential additional production facilities within both the main Basin and the Irvine Subbasin. However, such additional facilities have not been included or relied upon in this assessment. Additional groundwater development will provide an additional margin of safety as well as reduce future water supply costs to IRWD.

The following table summarizes future IRWD groundwater production from currently available and under-development supplies.

(In AFY)

Year (ending 6/30)	DRWF¹²	Future GW¹³	IDP (Potable)	IDP (Nonpotable)
2025	42,218	2,800	5,618	3,461
2030	42,218	2,800	5,618	3,461
2035	42,218	2,800	5,618	3,461
2040	42,218	2,800	5,618	3,461

(e) If not included in the 2020 UWMP, analysis of the sufficiency of groundwater projected to be pumped by IRWD from the Basin to meet the projected water demand of the Project:

See responses to 4(b) and 4(d).

¹² See Potable Supply - Groundwater, paragraph (iii), above. DRWF non-colored production above 28,000 AFY and colored water production above 8,000 AFY are subject to contractually-imposed assessments. In addition, seasonal production amounts apply. This also includes 3,200 AFY for the OPA well and 2,800 AFY for Wells 21 & 22.

¹³ Under-development.

The OCWD MPR and LTFP examined future Basin conditions and capabilities, water supply and demand, and identified projects to meet increased replenishment needs of the basin. With the implementation of OCWD's preferred projects, the Basin yield in the year 2025 would be up to 500,000 AF. The amount that can be produced will be a function of which projects will be implemented by OCWD and how much increased recharge capacity is created by those projects, total demands by all producers, and the resulting Basin Production Percentage ("BPP") that OCWD sets based on these factors.¹⁴ Sufficient replenishment supplies are projected by the OCWD MPR to be available to OCWD to meet the increasing demand on the Basin. These supplies include capture of increasing Santa Ana River flows, purchases of replenishment water from MWD, and development of new local supplies. In 2008, OCWD began operating its replenishment supply project, the Groundwater Replenishment System project ("GWRS"). The GWRS currently produces approximately 100,000 AFY of new replenishment supply from recycled water (OCWD GMP).

Production of groundwater can exceed applicable basin production percentages on a short-term basis, providing additional reliability during dry years or emergencies. Additional groundwater production is anticipated by OCWD in the Basin in dry years, as producers reduce their use of imported supplies, and the Basin is "mined" in anticipation of the eventual availability of replenishment water. (OCWD MPR, section 14.6.)

See also, Figures 1-8 hereto. IRWD assesses sufficiency of supplies on an aggregated basis, as neither groundwater nor other supply sources are allocated to particular projects or customers. Under the Irvine Subbasin Agreement, IRWD is contractually obligated to attribute the Subbasin supply only to TIC development projects for assessment purposes; however, the agreement does not allocate or assign rights in the Subbasin supply to any project.

Sustainable Groundwater Management Act. Pursuant to the Sustainable Groundwater Management Act ("SGMA"), the DWR has designated the Orange County groundwater basin, Basin 8-1, as a medium priority basin for purposes of groundwater management. The SGMA specifically calls for OCWD, which regulates the Orange County groundwater basin, to serve as the groundwater sustainability agency or "GSA". The SGMA allows Special Act Districts created by statute, such as OCWD, to prepare and submit an alternative to a Groundwater Sustainability Plan ("GSP") that is "functionally equivalent" to a GSP. Basin 8-1 includes the OCWD service area and several fringe areas outside of OCWD that are within the Basin 8-1 boundary. Per the requirements of SGMA, an Alternative Plan must encompass the entire groundwater basin as defined by DWR. On January 1, 2017, OCWD and the overlying agencies within Basin 8-1, including IRWD, jointly prepared and submitted an alternative plan in compliance with SGMA (Basin 8-1 Alternative). The Basin 8-1 Alternative was

¹⁴ OCWD has adopted a basin production percentage of 85% for 2024-25. In prior years OCWD has maintained a basin production percentage that is lower than the current percentage, and IRWD anticipates that such reductions may occur from time to time as a temporary measure employed by OCWD to encourage lower pumping levels as OCWD implements other measures to reduce the current accumulated overdraft in the Basin. Any such reductions are not expected to affect any of IRWD's currently available groundwater supplies listed in this assessment, which are subject to a contractually-set equivalent basin production percentage as described or are exempt from the basin production percentage.

updated in January 2024.

5. ☒ This Water Supply Assessment is being completed for a project included in a prior water supply assessment. Check all of the following that apply:

- ☐ Changes in the Project have substantially increased water demand.
- ☐ Changes in circumstances or conditions have substantially affected IRWD's ability to provide a sufficient water supply for the Project.
- ☒ Significant new information has become available which was not known and could not have been known at the date of the prior Water Supply Assessment.

6. References

Water Resources Master Plan, Irvine Ranch Water District, Updated 2017

Water Shortage Contingency Plan, Irvine Ranch Water District, June 2021

2020 Urban Water Management Plan, Irvine Ranch Water District, June 2021

Proposed Framework for Metropolitan Water District's Delta Action Plan, Metropolitan Water District of Southern California, May 8, 2007

2007 IRP Implementation Report, Metropolitan Water District of Southern California, October 7, 2007

2010 Integrated Resources Plan Update, Metropolitan Water District of Southern California, October 2010

2015 Integrated Resources Plan Update, Metropolitan Water District of Southern California, January 2016

2020 Integrated Water Resources Plan Regional Needs Assessment, Metropolitan Water District of Southern California, April 2022

2020 Urban Water Management Plan, Metropolitan Water District of Southern California, June 2021

2020 Urban Water Management Plan, Municipal Water District of Orange County, May 2021

Climate Action Plan, Metropolitan Water District of Southern California, May 2022

Climate Action Plan Phase 2: Climate Change Analysis Guidance, California Department of Water Resources, September 2018

Master Plan Report, Orange County Water District, April 1999

Groundwater Management Plan 2015 Update, Orange County Water District, June 2015

Final Draft Long-Term Facilities Plan, Orange County Water District, January 2006

Long-Term Facilities Plan 2014 Update, Orange County Water District, November 2014

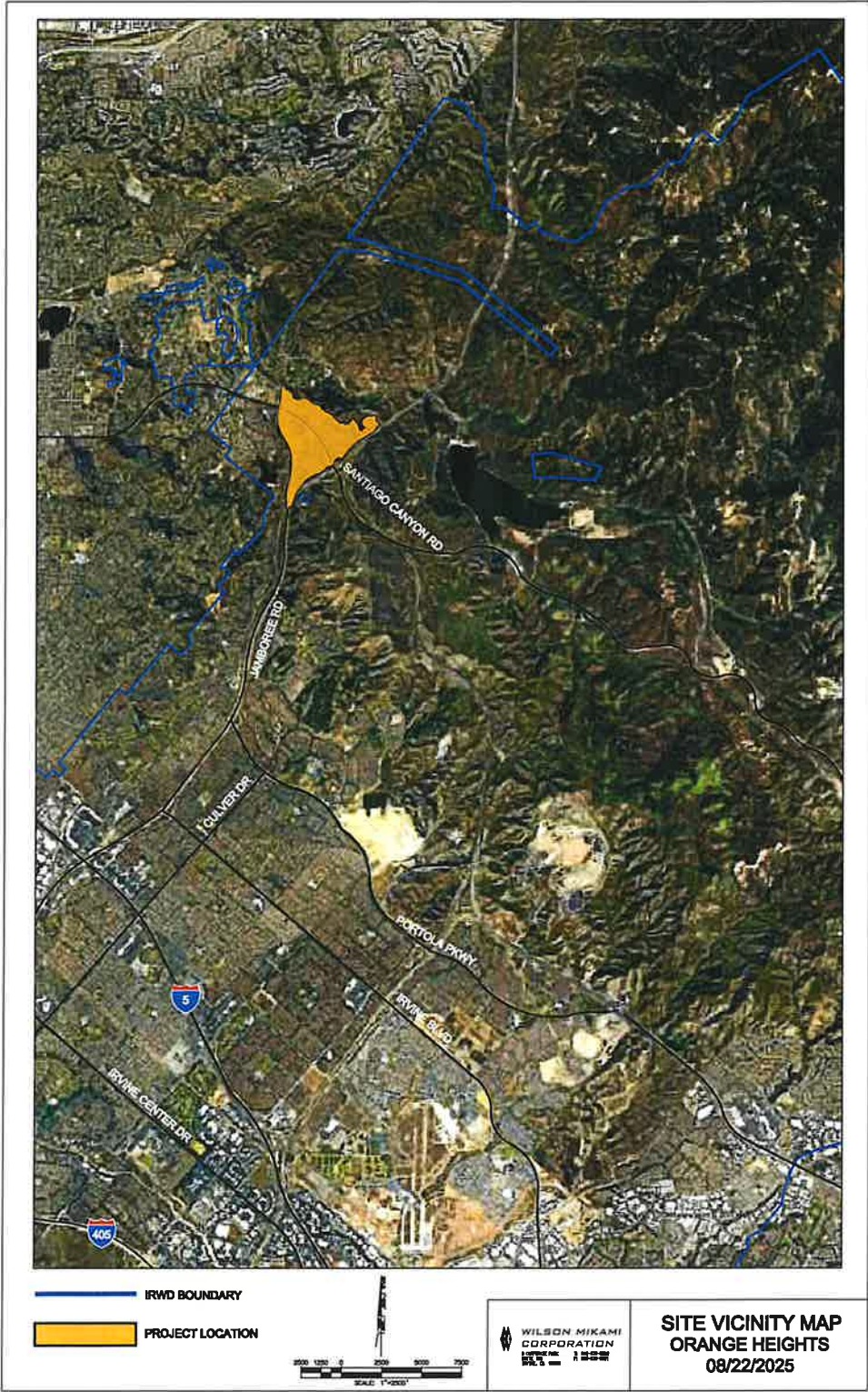
2022-2023 Engineer's Report on Groundwater Conditions, Water Supply and Basin Utilization in the Orange County Water District, Orange County Water District, February 2024

Basin 8-1 Alternative, Orange County Water District, January 2017

Basin 8-1 Alternative 2022 Update, Orange County Water District, January 2022

Attachment A

Depiction of Project Area

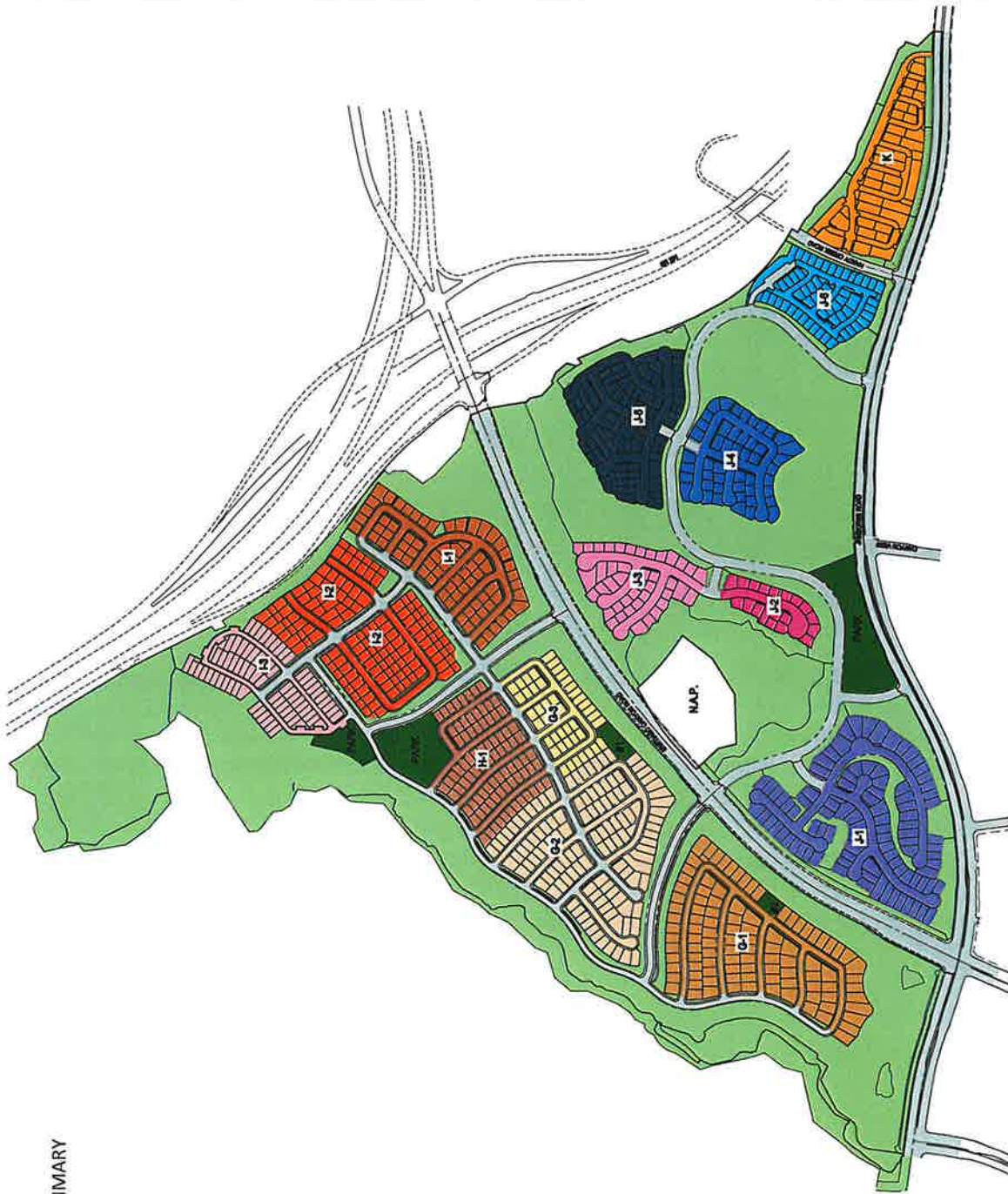


ORANGE HEIGHTS PRODUCT SUMMARY

NORTH	PRODUCT	UNITS
0-1	60x80	102
0-2	50x80	116
0-3	48x75	45
1-1	48x75	85
1-2	85x82	71
1-3	48x COURT	139
	39x85	68
NORTH TOTAL		626

SOUTH	PRODUCT	UNITS
J-1	50x80	93
J-2	65x60	18
J-3	65x60	42
J-4	65x60	48
J-5	48x75	77
J-6	45x75	53
K	36x61	101
SOUTH TOTAL		432
GRAND TOTAL		1058

PARK-NORTH
PARK-SOUTH
PASSIVE PARK #1
PASSIVE PARK #2



WILSON MIKAMI CORPORATION
 11111
 11111
 11111



PRODUCT SUMMARY
 ORANGE HEIGHTS
 08/22/2025

Attachment B

Uses Included in Project



CITY OF ORANGE

COMMUNITY DEVELOPMENT DEPARTMENT

PLANNING DIVISION | (714) 744-7220

December 10, 2025

VIA ELECTRONIC MAIL

Irvine Ranch Water District
15600 Sand Canyon Avenue
P.O. Box 57000
Irvine, CA 92619-7000

To Whom It May Concern:

Re: Request for a Supplemental Water Supply Availability Assessment (Water Code §10910 *et seq.*)

The City of Orange hereby requests a supplemental assessment of water supply availability for the below-described project. A previous water supply assessment was approved on April 11, 2016. The property owner has since submitted an application to the City of Orange to modify its previously-approved tentative tract maps, reducing the number of residential lots from 1,180 to 1,058 and increasing park and landscaped acreage. The City has determined that the project is a "project" as defined in Water Code §10912 and is subject to CEQA. Therefore, the City of Orange is requesting a supplemental water supply assessment. Please refer to Exhibit 1 for a Project Location Map and Exhibit 2 for the proposed 2025 Development Plan.

Proposed Project Information

Project Title: Orange Heights Planned Community (Previously Santiago Hills II)

Location of project: The project site is located east of Jamboree Road, west of the SR 241/261 toll road, south of Irvine Regional Park and north of the Orange City limit. Refer to Exhibit.

For projects requiring a supplemental assessment under Water Code §10910 (h).

- ☒ Previous Water Supply Assessment including this project was approved on: April 11, 2016. As discussed above, this application requests a supplemental Water Supply Assessment.
- ☐ Changes in the project have substantially increased water demand
- ☐ Changes in circumstances or conditions have substantially affected IRWD's ability to provide a sufficient water supply for the project
- ☐ New information has become available which was not known and could not have been known at the date of the prior Water Supply Assessment

(If a supplemental assessment is requested, IRWD may prepare an amended WSA or a supplemental WSA to be used together with the previous WSA, as determined by IRWD.)

Type of Development:

- ☒ *Residential*: No. of dwelling units: 1,058 dwelling units
- ☐ *Shopping center or business*: No. of employees _____ Sq. ft. of floor space _____
- ☐ *Commercial office*: No. of employees _____ Sq. ft. of floor space _____
- ☐ *Hotel or motel*: No. of rooms _____
- ☐ *Industrial, manufacturing, processing or industrial park*: No. of employees _____
No. of acres _____ Sq. ft. of floor space _____
- ☐ *Mixed use* (check and complete all above that apply)
- ☒ *Other*: 10.6 acres, Parks

Total acreage of project: Approximately 425 acres within the boundary of all project tracts

Acreage devoted to landscape:

Greenbelt	N/A	golf course	N/A	parks	10.6 acres
Agriculture	N/A	other landscaped areas			186 acres

Number of schools _____ N/A _____ Number of public facilities _____ N/A

Other factors or uses that would affect the quantity of water needed, such as peak flow requirements or potential uses to be added to the project to reduce or mitigate environmental impacts:

Fire service will be provided by the Orange Fire Department and subject to their peak flow requirements.
Recycled water is proposed for parks and other landscape area irrigation.

What is the current land use of the area subject to a land use change under the project?

The Project site is zoned Planned Community and is currently undeveloped.

Is the project included in the existing General Plan? Yes If no, describe the existing General Plan Designation _____


The City acknowledges that IRWD's assessment will be based on the information hereby provided to IRWD concerning the project. If it is necessary for corrected or additional information to be submitted to enable IRWD to complete the assessment, the request will be considered incomplete until IRWD's receipt of the corrected or additional information. If the project, circumstances or conditions change or new information becomes available after the issuance of a Water Supply Assessment, the Water Supply Assessment may no longer be valid. The City will request a new Water Supply Assessment if it determines that one is required.

The City acknowledges that the Water Supply Assessment shall not constitute a “will-serve” or in any way entitle the project applicant to service or to any right, priority or allocation in any supply, capacity or facility, and that the issuance of the Water Supply Assessment shall not affect IRWD’s obligation to provide service to its existing customers or any potential future customers including the project applicant. In order to receive service, the project applicant shall be required to file a completed Application(s) for Service and Agreement with the Irvine Ranch Water District on IRWD’s forms, together with all fees and charges, plans and specifications, bonds and conveyance of necessary easements, and meet all other requirement as specified therein.

CITY OF ORANGE

By: _____
Ryan Agbayani, Senior Planner (City of Orange)

REQUEST RECEIVED:

Date: 12-11-25
By: _____
Irvine Ranch Water District

REQUEST COMPLETE:

Date: _____
By: _____
Irvine Ranch Water District

Sincerely,

_____
Ryan Agbayani, Senior Planner
(714) 744-7225 | ragbayani@cityoforange.org

Note: This page is intentionally left blank.

**IRVINE RANCH WATER DISTRICT
VERIFICATION OF SUFFICIENT WATER SUPPLY**
Government Code §66473.7

To: (Lead Agency)
City of Orange
300 E. Chapman Avenue
Orange, CA 92866

(Applicant)
The Irvine Company
550 Newport Center Drive
Newport Beach, CA 92660

Project Information

Project Title: Orange Heights Planned Community

☒ Tentative Tract No. 17995, 17987 and 17989 to be amended. 17991 new map subdividing previously approved tract 16199

☐ Verification requested prior to tentative map application

Number of residential units in Project: 1,058

Uses in Project including non-residential (type, no. of employees, sq. ft. of floor space, acreage):
(see Exhibit B)

Acreage to be devoted to landscape (excluding individual residence yards): (see Attachment B)

☐ The projected water demand for the Project was included in IRWD's most recently adopted urban water management plan.

☒ A Water Supply Assessment that included the Project was adopted by IRWD on _____
A copy of the Assessment is attached hereto and incorporated herein by this reference (see Attachment C).

Verification of Availability of Sufficient Water Supply

On _____, the Board of Directors of the Irvine Ranch Water District (IRWD) approved the within Verification and made the following determination regarding the above-described Project:

☒ A sufficient water supply is available for the Project.
The total water supplies available to IRWD during normal, single-dry and multiple-dry years within a 20-year projection will meet the projected water demand of the Project in addition to the demand of existing and other planned future uses, including, but not limited to, agricultural and manufacturing uses.

☐ A sufficient water supply is not available for the Project.

The foregoing determination is based on the following Water Supply Verification Information and supporting information in the records of IRWD.

Signature	Date	Title
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WATER SUPPLY VERIFICATION INFORMATION

Purpose of Verification

Irvine Ranch Water District (“IRWD”) is the public water system that will supply water service (both potable and nonpotable) to the project identified on the cover page of this verification (the “Project”). As a public water system, IRWD is required by Section 66473.7 of the Government Code (the “Verification Law”) to provide the City with a verification of the availability of a sufficient water supply for non-exempt subdivisions of more than 500 residential units in conjunction with (or prior to) the City’s approval of a tentative map. The City has found the Project to include a subdivision that is subject to verification and not exempt under the Verification Law.

The Verification Law provides that a verification shall be supported by substantial evidence, which may include, but is not limited to, any of the following (i) IRWD’s most recently adopted urban water management plan; (ii) a water supply assessment previously adopted for the project under Water Code 10910, *et seq.*; or (iii) other analytical information substantially similar to the assessment of service reliability required by Water Code Section 10635 to be included in the urban water management plan. The Verification Law also specifies the elements to be contained in a verification with respect to (i) supplies relied upon that are not currently available; (ii) reasonably foreseeable impacts of the subdivision on the availability of water resources for agricultural and industrial uses within IRWD’s service area that are not currently receiving water; and (iii) rights to extract additional groundwater needed to supply the subdivision.

A verification does not entitle the Project to service or to any right, priority or allocation in any supply, capacity or facility, or affect IRWD’s obligation to provide service to its existing customers or any potential future customers. In order to receive service, the Project applicant is required to file a completed Application(s) for Service and Agreement with the Irvine Ranch Water District on IRWD’s forms, together with all fees and charges, plans and specifications, bonds and conveyance of necessary easements, and meet all other requirement as specified therein.

Methodology of Verification for Project With Prior Water Supply Assessment

As referenced on the cover page of this verification (the “Verification”), the Project was included within an assessment of water supply approved by IRWD (the “Assessment”). The Assessment contained IRWD’s determination that a sufficient water supply is available for the Project. As described in the Assessment, IRWD does not allocate particular supplies to any project, but identifies total supplies for its service area. However, upon approval of an assessment containing a determination of a sufficient supply, IRWD attributes the demands identified by that assessment to IRWD’s existing and committed demand. Thereafter, each verification approved by IRWD for a subdivision covered by that assessment is based on the assessment and reflects IRWD’s confirmation that the water demands of the subdivision, together with any other subdivisions or developments that have previously received verifications, will-serves, or other approval by IRWD under the same assessment, are, in the aggregate, within the demand identified by that assessment. In accordance with that procedure, this Verification is based on the Assessment. The Assessment’s determination of sufficiency extends through 2045. In addition, this Verification includes the elements required by the Verification Law that are not included within the required contents of the Assessment.

Supporting Documentation

As noted above, the principal supporting documentation for this Verification is the Assessment. Other documentation supports the Assessment and this Verification: IRWD prepares two planning documents to guide water supply decision-making. IRWD's principal planning document is IRWD's "Water Resources Master Plan" ("WRMP"). The WRMP is a comprehensive document compiling data and analyses that IRWD considers necessary for its planning needs. IRWD also prepares an Urban Water Management Plan ("UWMP"), a document required by statute. The UWMP is based on the WRMP, but contains defined elements as listed in the statute (Water Code Section 10631, *et seq.*), and as a result, is more limited than the WRMP in the treatment of supply and demand issues. The UWMP is required to be updated in years ending with "five" and "zero," and IRWD's most recent 2020 UWMP was adopted in June 2021 and the next update for 2025 is anticipated in July 2026. The water demand for the Project will be included in IRWD's 2025 UWMP update.

In addition to the Assessment, the most recent WRMP and the 2020 UWMP mentioned above, other supporting documentation referenced herein is found in Section 5 of this Verification. This includes the most recent Metropolitan Water District of Southern California's (MWD) Urban Water Management Plan (MWD 2020 UWMP) detailing an evaluation by MWD, the wholesaler of IRWD's imported water supplies, of the reliability of MWD's supplies, adopted in May 2021.

The Verification Law requires written proof of entitlement for "not currently available" (referred to herein as "under development") supplies. The Assessment includes such information for both currently available and under development supplies. Due to the number of contracts, statutes and other documents comprising IRWD's written proof of entitlement to its water supplies, in lieu of attachment of such items, they are identified by title and summarized in Section 2 of the Assessment. Copies of the summarized items can be obtained from IRWD.

Sufficiency Calculation Methodology

The methodology for IRWD's comparison of its demands and supplies is set forth in the Assessment, in the section entitled "Assessment Methodology" and subsections thereof entitled "water use factors; dry-year increases;" "planning horizon;" "assessment of demands;" "assessment of supplies;" and "comparison of demand and supply."

Detailed Verification

1. Determination of sufficiency of water supply

(a) Supply and demand comparison

See the Assessment, Section 1, incorporated herein by reference.

(b) Factors considered in determining the sufficiency of the water supply:

(i) The availability of water supplies over a historical record of at least 20 years.

Quantities received in prior years from existing sources identified in (a)(1):

Source	1995	2000	2005	2010	2015	2020	2025
Potable – imported	28,397	36,777	19,306	15,227	13,674	15,904	11,977
Potable – groundwater	20,020	20,919	37,160	42,089	54,616	42,374	38,807
Nonpotable - recycled	10,518	14,630	15,296	20,847	21,770	26,412	25,584
Nonpotable - imported	2,333	16,343	5,304	5,562	7,869	1,528	6,792
Nonpotable – groundwater	1,834	2,890	2,285	3,761	3,462	4,795	3,0406
Nonpotable – native	5,980	4,949	7,251	837	6,205	1,682	3,571
Total	69,082	96,508	86,602	88,323	107,596	92,695	89,771

See also the Assessment, Section 1, incorporated herein by reference.

(ii) The applicability of a water shortage contingency analysis prepared pursuant to Water Code Section 10632 that includes actions to be undertaken by IRWD in response to water supply shortages.

The supply and demand comparisons incorporated from the Assessment into this Verification (see 1(a)) do not reflect the implementation of water shortage emergency measures. In February 2009, IRWD updated Section 15 of its Rules and Regulations – Water Conservation and Water Supply Shortage Program and also updated its Water Shortage Contingency Plan, which is a supporting document for Section 15. IRWD adopted an updated Water Shortage Contingency Plan on June 28, 2021 pursuant to Water Code Section 10632. As stated in IRWD's Water Shortage Contingency Plan, use of local supplies, storage and other supply augmentation measures can mitigate shortages, and be used as necessary and appropriate during declared shortage levels. However, in order to be conservative, IRWD has not reduced its single-dry or multiple-dry year demand projections or increased its single-dry or multiple-dry year supply projections in the Assessment or Verification to account for any water savings that could be achieved by these measures.

(iii) Reduction by IRWD in water supply allocated to a specific water use sector, pursuant to a resolution, ordinance or contract uses.

The supply and demand comparisons incorporated from the Assessment into this Verification (see 1(a)) do not reflect any allocated reductions by IRWD. As noted under the preceding item (ii), IRWD's water shortage contingency plan and Rules and Regulations provide

for voluntary and mandatory water conservation measures that could be invoked in declared water shortage emergencies. These include reductions to certain water uses. However, in order to be conservative, IRWD has not reduced its single-dry or multiple-dry year demand projections or increased its single-dry or multiple-dry year supply projections in the Assessment or Verification to account for water savings that could be achieved by any allocated reductions.

With respect to items (ii) and (iii) above, it is noted that MWD has in effect a management plan for dealing with periodic surplus and shortage conditions, known as Metropolitan Report No. 1150, *Water Surplus and Drought Management Plan*, and as also described in the 2020 MWD UWMP. MWD's demand projections account for the effects of long-term conservation best management practices.

(iv) The amount of water that IRWD can reasonably rely on receiving from other water supply projects, such as conjunctive use, reclaimed water, water conservation, and water transfer, including programs identified under federal, state and local water initiatives such as CALFED and Colorado River tentative agreements, based on the inclusion of information with respect to such supplies in Section 2, below.

Local. IRWD directly relies (for a portion of its full build-out annual demand in single and multiple dry-year projections) on the following under development supplies (see 1(a), above): the Irvine Wells (see the Assessment, Section 2(b)(1)(vi) – “POTABLE SUPPLY – GROUNDWATER”). In addition to Orange County Water District (OCWD) reports listed in the Assessment Reference List, OCWD has also prepared a Long Term Facilities Plan (“LTFP”) which provides updated information and was received by the OCWD Board in July 2009 and updated in 2014. The LTFP Chapter 3 describes the efforts being undertaken by OCWD to eliminate long-term overdraft in the Basin. OCWD has an optimal basin management target of 100,000 acre-feet of accumulated overdraft which provides sufficient storage space to accommodate increased supplies from one wet year while also provides enough water in storage to offset decreased supplies during a two- to three year drought. (Source: “Evaluation of Orange County Groundwater Basin Storage and Operational Strategy”, as referenced in *2022-2023 Engineer’s Report on Groundwater Conditions, Water Supply and Basin Utilization in the Orange County Water District*).

With the implementation of OCWD’s preferred projects, the Basin yield in the year 2030 would be up to 500,000 AF. The amount that can be produced will be a function of which projects will be implemented by OCWD and how much increased recharge capacity is created by those projects, total demands by all producers, and the resulting Basin Production Percentage (“BPP”) that OCWD sets based on these factors.

IRWD’s own recycled water expansion program is also shown as currently available in addition to its currently available recycled water supply from its own existing recycling program. The recycled water supplies are discussed in Section 2 below (see the Assessment, Section 1 – Figures 5, 6, 7 and 8 (supplies denominated “MWRP” and “LAWRP”) and Section 2(a), and Section 2(b)(1) - “NONPOTABLE SUPPLY – RECLAIMED”). Under the MWRP Phase II Capacity Expansion Project, IRWD increased its tertiary treatment capacity on the existing MWRP site to produce sufficient recycled water to meet the projected demand of the Project through the year 2045. Additional recycling capacity will augment local nonpotable supplies and improve reliability.

As noted in the Assessment, IRWD's demand projections reflect the effect of IRWD's water conservation pricing and other conservation practices; in particular, IRWD's water use factors used to derive its demand projections are based on average water use and incorporate the effect of IRWD's tiered-rate conservation pricing and its other long-term water conservation programs. System losses at a rate of approximately 5% are built into the water use factors. As discussed above, IRWD's supply and demand projections do not take into account water savings that could be achieved by water shortage emergency measures.

Imported. MWD, the supplier of IRWD's imported supplies, relies upon several of the listed projects and programs. MWD supports and provides financial incentives to water reclamation, groundwater recovery, water conservation, ocean desalination and other local resource development programs. MWD calculates its demand forecast by first estimating total retail demand for the region and then factoring in impacts of conservation. Next, it derives projections of local supplies using data on current and expected local supply programs and Integrated Resource Planning (IRP) Local Resource Program Target. The difference between the resulting local demands is the expected regional demand on MWD. These estimates of demands on MWD were developed for average years, a single dry year, and five years of consecutive drought. (2020 MWD UWMP). In the MWD 2020 UWMP, MWD states that it has supply and storage capabilities sufficient to meet projected demands from 2025 through 2045 under a normal year, a single dry year, and five consecutive drought year conditions. See MWD 2020 UWMP Section 2.3 Water Reliability Assessment.

In January 2016, MWD adopted its 2015 IRP Update. In the 2015 IRP Update, MWD continued its adaptive management strategy and integrated future supply actions to improve the viability of potential contingency resources as needed, and to position the region to effectively implement these resources in a timely manner. In 2020, MWD completed another update of the IRP. In MWD's 2020 IRP Regional Needs Assessment, MWD finds that SWP supplies are highly susceptible to varying hydrologic conditions, climate change, and regulatory restrictions. In this report, MWD assesses climate vulnerabilities and the need for future projects such as indirect potable reuse, stormwater capture, and expanded storage capacity to mitigate and adapt to these vulnerabilities and ensure future resilience. In 2022, MWD released a Climate Action Plan which complements MWD's IRP planning process and set reduction targets and outlined strategies to reduce emission levels by 2045.

2. Required information concerning *under-development* supplies

(a) Written contracts or other proof of valid rights to the identified supplies

See the Assessment, Section 2(b)(1), incorporated herein by reference. See also MWD's 2020 UWMP, Appendix A.3 Justifications for Supply Projections with respect to written contracts and other proof related to MWD's supplies.

(b) Adopted capital outlay program to finance delivery of the supplies

See the Assessment, Section 2(b)(2), incorporated herein by reference. With respect to future groundwater wells (PR Nos. 11828 and 11829), IRWD adopted its fiscal year 2023-24 capital budget on April 24, 2023 (Resolution No. 2023-6) and the mid-cycle capital budget for fiscal year 2024-25 was adopted on May 28, 2024. Budgeting portions of the funds are for such projects. (A copy is available from IRWD on request.) IRWD has approximately \$585.5 million (water) and \$711.1 million (recycled water and sewer) of unissued, voter-approved bond

authorization. See also MWD's 2020 UWMP, Section 3 and Appendix A.3 Justifications for Supply Projections with respect to capital outlay programs related to MWD's supplies.

(c) Federal, state and local permits to construct delivery infrastructure

See the Assessment, Section 2(b)(3), incorporated herein by reference. See also MWD's 2020 UWMP, Section 3 and Appendix A.3 Justifications for Supply Projections with respect to permits related to MWD's supplies.

(d) Regulatory approvals for conveyance or delivery of the supplies

See the Assessment, Section 2(b)(4), incorporated herein by reference. See also MWD's 2020 UWMP, Appendix A.3 Justifications for Supply Projections with respect to regulatory approvals related to MWD's supplies.

3. Foreseeable impacts of the Project on the availability of water for agricultural and industrial uses in IRWD's service area not currently receiving water

Based on city planning and other information known to IRWD, there are no agricultural or industrial uses in IRWD's service area that are not within either existing and committed demand or future demand, both of which are included within the supply and demand comparison and determination of sufficiency (see 1(a)).

4. Information concerning the right to extract additional groundwater included in the supply identified for the Project:

Where the water supply for the Project includes groundwater, the verification is required to include an evaluation of the extent to which IRWD or the landowner has the right to extract the additional groundwater needed to supply the Project. See the Assessment, Section 2(b)(1), "POTABLE SUPPLY – GROUNDWATER" and "NONPOTABLE SUPPLY – GROUNDWATER," and Section 4, incorporated herein by reference.

5. References

Water Resources Master Plan, Irvine Ranch Water District, Updated 2017

Water Shortage Contingency Plan, Irvine Ranch Water District, June 2021

2020 Urban Water Management Plan, Irvine Ranch Water District, June 2021

2015 Integrated Resources Plan Update, Metropolitan Water District of Southern California, January 2016

2020 Integrated Water Resources Plan Regional Needs Assessment, Metropolitan Water District of Southern California, April 2022

2020 Urban Water Management Plan, Metropolitan Water District of Southern California, May 2021

Climate Action Plan, Metropolitan Water District of Southern California, May 2022

Groundwater Management Plan 2015 Update, Orange County Water District, June 2015

Final Draft Long-Term Facilities Plan, Orange County Water District, January 2006

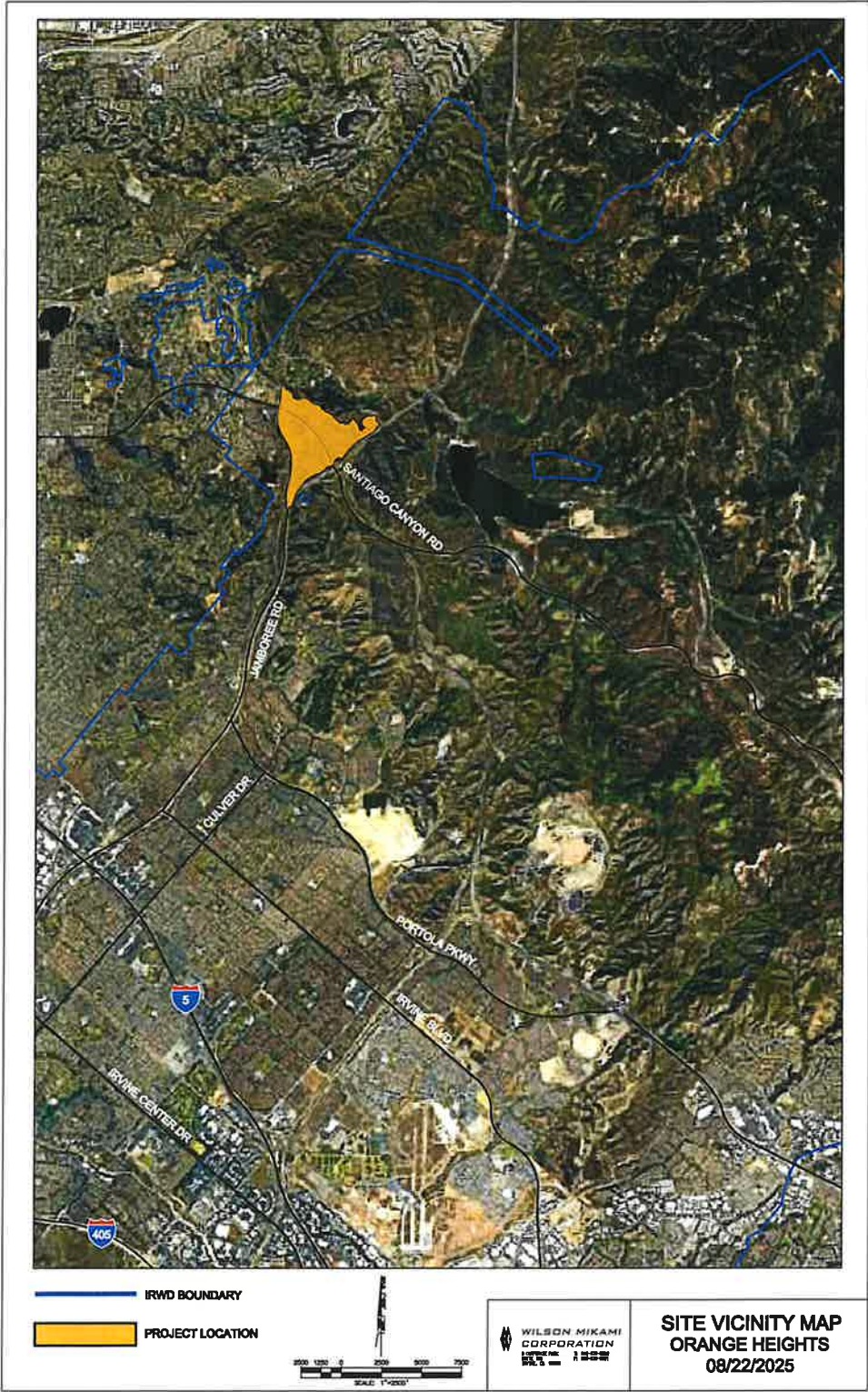
Long-Term Facilities Plan 2014 Update, Orange County Water District, November 2014

Master Plan Report, Orange County Water District, April 1999

2022-2023 Engineer's Report on Groundwater Conditions, Water Supply and Basin Utilization in the Orange County Water District, Orange County Water District, February 2024

Attachment A

Depiction of Project Area



Attachment B

Uses Included in Project



CITY OF ORANGE

COMMUNITY DEVELOPMENT DEPARTMENT

PLANNING DIVISION | (714) 744-7220

December 10, 2025

VIA ELECTRONIC MAIL

Irvine Ranch Water District
15600 Sand Canyon Avenue
P.O. Box 57000
Irvine, CA 92619-7000

To Whom It May Concern:

Re: Request for Re-Verification of Sufficient Water Supplies (Government Code §66473.7(b)(1))

The City of Orange hereby requests a re-verification of the availability of a sufficient water supply for the below-described project. A previous water supply verification was approved on April 11, 2016. The property owner has since submitted an application to the City of Orange to modify its previously-approved tentative tract maps, reducing the number of residential lots from 1,180 to 1,058 and increasing park and landscaped acreage. Therefore, the City of Orange is requesting a water supply re-verification. Please refer to Exhibit 1 for a Project Location Map and Exhibit 2 for the proposed 2025 Development Plan.

Under Government Code §66473.7(b)(1), written verification of the availability of sufficient water supply is required in conjunction with or prior to the approval of any tentative map that includes a residential subdivision of more than 500 dwelling units, subject to certain exemptions.

Proposed Project Information

Project Title: Orange Heights Planned Community (Previously Santiago Hills II)

Location of project: The project site is located east of Jamboree Road, west of the SR 241/261 toll road, south of Irvine Regional Park and north of the Orange City limit. Refer to Exhibit.

Planning Area(s): Santiago Hills II Planned Community, refer to Exhibits.

Was the project included as part of a previously completed Water Supply Assessment (Water Code §10910)? ☒ yes ☐ no

If yes, date and project title of Water Supply Assessment. Second Amended Water Supply Assessment for Santiago Hills II and Verification for Tracts 16199 and 17995, approved on April 11, 2016

If no, state reason: ☐ CEQA documentation was completed not requiring a Water Supply Assessment completed prior to January 1, 2002 ☐ other: _____

Was a Water Supply Verification previously completed for the project ☒ yes ☐ no

If yes, indicate reason for re-verification: ☒ tract map amendments ☐ new water supply assessment required due to project revisions, changed circumstances or new information.

- ☐ Tentative Map Application No. _____ ☒ Tentative Tract No.* 17995, 17987, and 17989 are proposed to be amended; 17991 is a new map further subdividing lots established in previously-approved tract 16199 (previously-approved Tract Nos. 16199, 17988, and 17990 are not being amended).
- ☐ Verification is being requested prior to tentative map application (Government Code §66473.7(1) (Indicate next project approval sought: _____))

(*A copy of the tentative map application including the proposed subdivision was sent to IRWD on: December 10, 2025, (Government Code §66455.3))

Type of Development:

- ☒ Residential: No. of dwelling units: 1,058 dwelling units
- ☐ Shopping center or business: No. of employees _____ Sq. ft. of floor space _____
- ☐ Commercial office: No. of employees _____ Sq. ft. of floor space _____
- ☐ Hotel or motel: No. of rooms _____
- ☐ Industrial, manufacturing, processing or industrial park: No. of employees _____
No. of acres _____ Sq. ft. of floor space _____
- ☐ Mixed use (check and complete all above that apply)
- ☒ Other: 10.6 acres, Parks

Total acreage of project: Approximately 425 acres within the boundary of all project tracts

Acreage devoted to landscape:

Greenbelt N/A golf course N/A parks 10.6 acres
Agriculture N/A other landscaped areas 186 acres

Other factors or uses that would affect the quantity of water needed, such as peak flow requirements

Fire service will be provided by the Orange Fire Department and subject to their peak flow requirements. Recycled water is proposed for parks and other landscape area irrigation.

Is the project included in the existing General Plan? Yes If no, describe the existing General Plan Designation _____

The City acknowledges that IRWD's re-verification will be based on the information hereby provided to IRWD concerning the project. If it is necessary for corrected or additional information to be submitted to enable IRWD to complete the re-verification, the request will be considered incomplete until IRWD's receipt of the corrected or additional information. If the project changes or the tentative map approval expires after the issuance of a Water Supply Verification, the City may request a new Water Supply Verification if required. In the event of changes in the project, circumstances or conditions or the availability of new information, it may be necessary for the City to request a new Water Supply Assessment prior to completion of the new Water Supply Verification.

The City acknowledges that the Water Supply Verification shall not constitute a "will-serve" or in any way entitle the project applicant to service or to any right, priority or allocation in any supply, capacity or

facility, and that the issuance of the Water Supply Verification shall not affect IRWD's obligation to provide service to its existing customers or any potential future customers including the project applicant. In order to receive service, the project applicant shall be required to file a completed Application(s) for Service and Agreement with the Irvine Ranch Water District on IRWD's forms, together with all fees and charges, plans and specifications, bonds and conveyance of necessary easements, and meet all other requirements as specified therein.

CITY OF ORANGE

By: _____

Ryan Agbayani, Senior Planner (City of Orange)

REQUEST RECEIVED:

Date: 12-11-25

By: MNye
Irvine Ranch Water District

REQUEST COMPLETE:

Date: _____

By: _____
Irvine Ranch Water District

Sincerely,


Ryan Agbayani, Senior Planner
(714) 744-7225 | ragbayani@cityoforange.org


Attachment C

Water Supply Assessment

February 9, 2026

Prepared by: B. Botello / B. Rios

Submitted by: K. Burton

Approved by: Paul A. Cook 

CONSENT CALENDAR

SAN JOAQUIN HILLS ROAD RECYCLED WATER PIPELINE REPLACEMENT CONSULTANT SELECTION

SUMMARY:

The San Joaquin Hills Road Recycled Water Pipeline Replacement project will replace approximately 4,900 feet of ductile iron pipe (DIP) used in the recycled water system in the Newport Ridge development in the city of Newport Beach. IRWD has experienced several corrosion-related leaks on the pipeline and has determined that the pipeline needs to be replaced. Staff solicited proposals from four consultants for the design of the pipeline replacement. Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with MKN in the amount of \$349,552 for engineering design services for the San Joaquin Hills Road Recycled Water Pipeline Replacement project.

BACKGROUND:

The pipe segments to be replaced are 10- and 12-inch DIP in San Joaquin Hills Road and were constructed in the Newport Ridge community in 1990. A project location map is provided as Exhibit “A”. IRWD has experienced several leaks on these segments of pipelines, and the breaks have been attributed primarily to corrosion of the DIP, which may have accelerated while the cathodic protection (CP) system was offline. An impressed current CP system was installed in 2009 for the pipeline and the parallel DIP domestic water main as part of a CP upgrade project for several pipelines in the Newport Coast Area. According to the *IRWD 2022 Annual Cathodic Protection Report*, the CP system for the recycled water pipeline was non-operational between 2018 to 2024 due to AC power issues. AC power was restored in 2024, at which point the CP system was then brought back online. The *2025 IRWD Cathodic Protection Monitoring Report* does not indicate major deficiencies with the CP system, but the system will be evaluated as part of the pipeline replacement. This project will increase the existing 10-inch DIP segment of pipe to 12-inch to allow for possible future expansion of recycled water use in the area and will also replace all existing services connected to the DIP main being replaced.

Consultant Selection Process:

On November 5, 2025, staff issued a Request for Proposal for engineering design services to four consultants: BKF Engineers, JIG Consultants, Lee+Ro, and MKN. On December 17, staff received proposals from all four consultants.

While all four proposals met the project objectives and presented qualified teams, MKN’s scope understanding, approach, and experience presented greater overall value. MKN’s proposal explained the importance of establishing early coordination with the City of Newport Beach (City) to confirm paving requirements, trenching backfill options, steel plate limitation, pavement fabric considerations, working hours, and traffic control requirements. MKN already

has bi-weekly meetings with the City's Engineering staff for a City project, which will be important for facilitating coordination with IRWD's project. MKN's proposal also offered input on pipe material selection based on operating pressures and the potential surge conditions associated with a failure of the upstream pressure reducing valve. Recently, MKN successfully completed the design and construction support for the Technology Drive Recycled Water Pipeline Replacement project.

Based on the overall value of MKN's proposal and staff's recent experience with MKN on other capital projects, staff recommends awarding a Professional Services Agreement to MKN in the amount of \$349,552. The consultant selection matrix is provided as Exhibit "B", and MKN's proposal is provided as Exhibit "C".

FISCAL IMPACTS:

The San Joaquin Hills Road Recycled Water Pipeline Replacement, Project 13113, is included in the Fiscal Year 2025-26 Capital Budget. The existing budget is sufficient to fund the project's design phase.

ENVIRONMENTAL COMPLIANCE:

The project is exempt from California Environmental Quality Act as authorized under the California Code of Regulations, Title 14, Division 6, Chapter 3, Section 15301 (Class 1 "Existing Facilities") and Section 15302 (Class 2 "Replacement or Reconstruction"). Class 1 exempts the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use, such as existing facilities of publicly owned utilities used to provide public utility services. Class 2 exempts the replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced, such as the replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on January 20, 2026.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH MKN IN THE AMOUNT OF \$349,552 FOR ENGINEERING DESIGN SERVICES FOR THE SAN JOAQUIN HILLS ROAD RECYCLED WATER PIPELINE REPLACEMENT, PROJECT 13113.

LIST OF EXHIBITS:

- Exhibit “A” – Project Location Map
- Exhibit “B” – Consultant Selection Matrix
- Exhibit “C” – MKN Proposal and Fee

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SAN JOAQUIN
RESERVOIR

Exhibit A
LOCATION MAP

SAGE
HILL
SCHOOL

COYOTE
CANYON
LANDFILL

12-INCH DIP

NEWPORT RIDGE DR

NEWPORT RIDGE DR

10-INCH DIP
TO BE UPSIZED
TO 12-INCH

NEWPORT
COAST
SHOPPING
CENTER

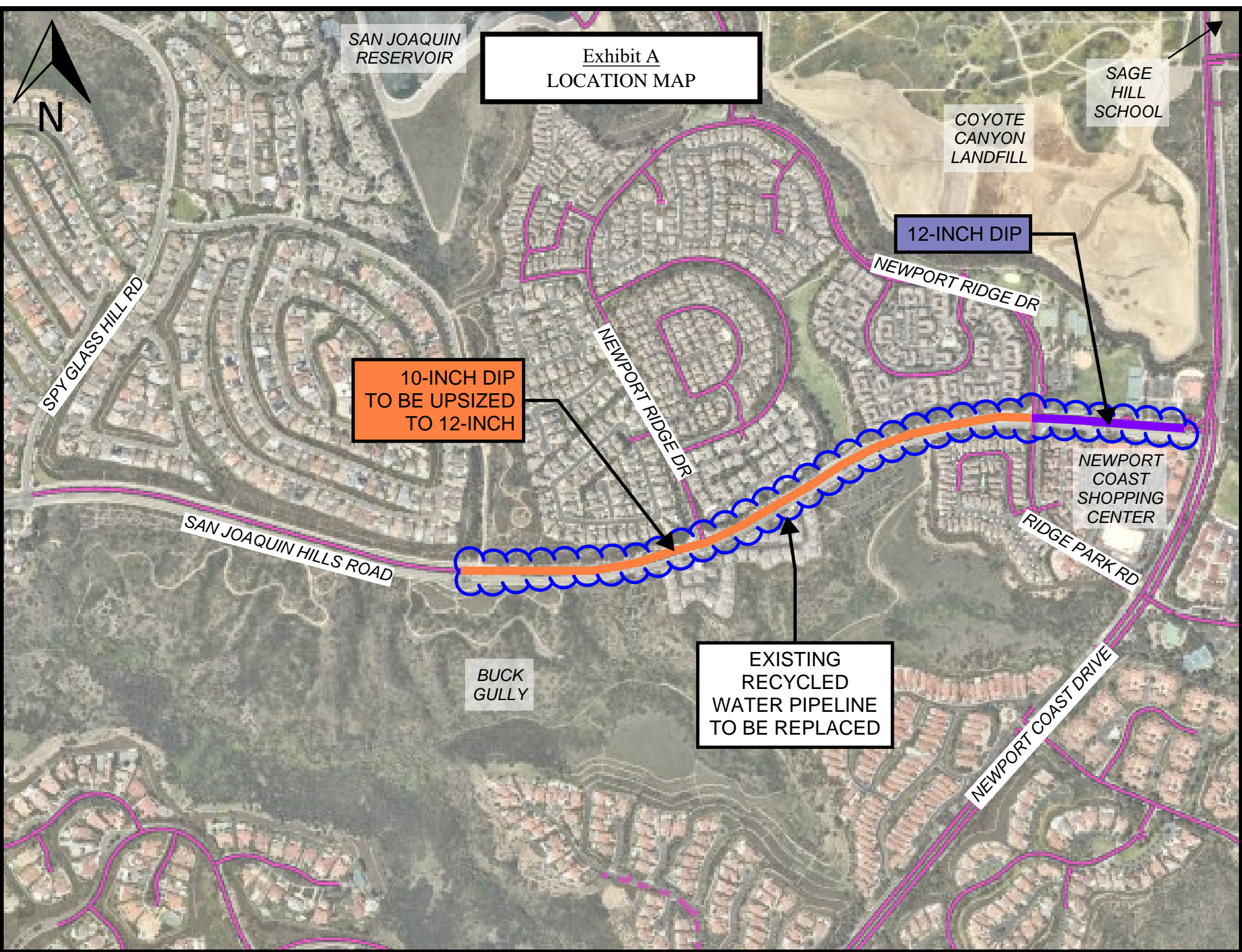
RIDGE PARK RD

SAN JOAQUIN HILLS ROAD

BUCK
GULLY

EXISTING
RECYCLED
WATER PIPELINE
TO BE REPLACED

NEWPORT COAST DRIVE



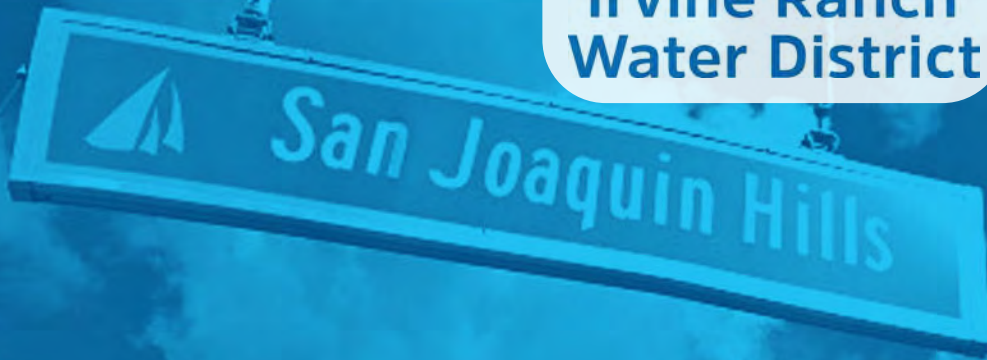
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Exhibit "B"

CONSULTANT SELECTION MATRIX

San Joaquin RW Pipeline Replacement									
Item	Description	Weights	BKF Engineers		JIG Consultants		LEE+RO		MKN
A	TECHNICAL APPROACH								
1	Project Understanding and Approach	25%	1		3		4		2
2	Related Project Experience	15%	3		2		4		1
3	Scope of Work	25%	3		2		4		1
3	Project Team	35%	4		2		3		1
	Weighted Score		2.85		1.95		3.05		1.10
	Ranking of Consultants		3		2		4		1
B	SCOPE OF WORK								
TASK	DESCRIPTION	Task Hours	Fee	Task Hours	Fee	Task Hours	Fee	Task Hours	Fee
1	Project Management	109	\$25,947	136	\$27,592	240	\$59,975	96	\$24,258
2	Final Design	915	\$390,840	840	\$319,068	1107	\$405,642	742	\$325,294
	TOTAL ENGINEERING SERVICES FEE WITHOUT OPTIONAL SERVICES	1,024	\$416,787	976	\$346,660	1,347	\$465,617	838	\$349,552
-	Optional Services	-	-	-	-	-	-	-	-
-	Evaluate Transient Conditions for PRV Failure Case	-	-	-	-	6	\$22,342	-	-
	TOTAL ENGINEERING SERVICES FEE INCLUDING OPTIONAL SERVICES	1,024	\$416,787	976	\$346,660	1,353	\$487,959	838	\$349,552
C	OTHER								
Technical Drawings									
Total Sheets		28	dwgs	16	dwgs	33	dwgs	28	dwgs
Engineering Services Fee per Design Drawings		\$14,885		\$21,666		\$14,787		\$12,484	
Personnel									
Role		Years of Experience		Years of Experience		Years of Experience		Years of Experience	
Project Manager		Nancy Baker	30	Joseph Gutierrez	35	Michael Guirguis	24	Parasto Azami	13
Project Engineer		Adam Brown	18	Matthew McCormac	8	Adam Betsworth	20	Judy Beik	6
QA/QC		Sravan Paladugu	21	Harvey Gobas	50	David Grossman	42	Kevin Saleh	30
Design Engineer		Mykaiah Clermont	6	Kimiko Stafford	-	Ki Chung	35	Cindy Sevilla Esparza	5
Design Engineer		Daniel David	5	Vincent Valparaiso	-				
Sub Consultants									
Traffic Control		Traffic Control Engineering		T2 Utilities Engineers		Traffic Control Engineering		-	
Cathodic Protection		Corrrpro		Universal Corrosion Services		RF Yeager Engineering		RF Yeager Engineering	
Potholing		T2 Utilities Engineers		T2 Utilities Engineers		Underground Solutions		Boudreau Pipeline Corporation	
Survey		-		KDM Meridian		The Prizm Group		Calvada Surveying	
Geotech		Ninyo & Moore		Terracon Consultants, Inc.		Associated Soils Engineering		AESCO	
Insurance									
General Liability		Yes		Yes		Yes		Yes	
Automobile		Yes		Yes		Yes		Yes	
Workers' Compensation		Yes		Yes		Yes		Yes	

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DECEMBER 17, 2025 AT 4:00PM

PROPOSAL FOR

Engineering Design Services for the San Joaquin Hills Road Recycled Water Pipeline Replacement Project (PR 13113)

IRVINE RANCH WATER DISTRICT
BRIAN BOTELLO | PROJECT MANAGER
15600 SAND CANYON AVENUE, IRVINE, CA 92618



December 17, 2025

Brian Botello
Project Manager
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, CA 92618

**Subject: Proposal for Engineering Design Services for the San Joaquin Hills Road
Recycled Water Pipeline Replacement Project (PR 13113)**

Dear Mr. Botello:

MKN & Associates, LLP (MKN), an Ardurra Group, Inc. (Ardurra) company, is pleased to submit this proposal in response to the Irvine Ranch Water District's (IRWD) Request for Proposal (RFP) for Engineering Design Services for the San Joaquin Hills Road Recycled Water Pipeline Replacement Project (PR 13113). We appreciate the opportunity to offer our expertise for this critical infrastructure project.

We understand that this project involves the replacement of approximately 4,900 linear feet of ductile iron pipe (DIP) distribution mains within the recycled water (RW) system in the Newport Ridge development of the City of Newport Beach (City).

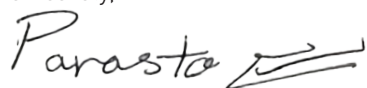
What distinguishes MKN is our connections with both IRWD and the City, built through years of collaboration and successful project delivery. Our Irvine-based team has a profound understanding of both agencies' operational practices, infrastructure standards, and the unique characteristics of the local environment.

For this project, MKN is pleased to propose the same trusted team—Parasto Azami, Safa Kamangar, and Kevin Saleh—supplemented by additional design staff who are also locally based in Irvine. This continuity ensures a seamless transition into project startup, while the added support enhances our capacity to meet accelerated schedules and deliver high-quality work. Our established familiarity with IRWD's infrastructure and design requirements enables us to identify potential risks, streamline coordination with stakeholder agencies, and tailor our technical approach to align with the project's specific needs and long-term operational goals.

MKN has successfully delivered numerous infrastructure improvements across Orange County, including complex recycled water pipeline replacements and distribution system upgrades for IRWD and others. Our proven track record reflects our commitment to technical excellence, clear communication, adherence to schedules, and delivering cost-effective, constructible solutions. We bring not only experience, but also a strong partnership mindset and a dedication to supporting your agency with reliable, responsive service from design through construction.

Please contact me at **949.836.5807** or **pazami@mknassociates.us** for any questions or further discussion regarding this proposal. MKN appreciates the opportunity to partner with IRWD on this critical effort. The firm's focus will be on delivering technical excellence, timely execution, and cost-effective results in alignment with IRWD's project objectives and standards.

Sincerely,



Parasto Azami, PE
Project Manager



AN  ARDURRA COMPANY

FIRM NAME

MKN & Associates, LLP, an
Ardurra Group, Inc. company

ADDRESS

16310 Bake Parkway
Irvine, CA 92618



POINT OF CONTACT

Parasto Azami, PE

Project Manager
pazami@mknassociates.us
949.836.5807

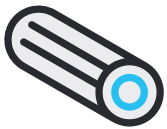
MKN's Client-Centric Origins

MKN & Associates, LLP (MKN) is a consulting engineering firm originally founded in 2012. Since then, we've grown to more than 85 professional engineers, planners, construction managers/inspectors, and support staff across eight offices throughout California. In November 2025, MKN proudly joined Ardurra Group, Inc. (Ardurra), a nationally recognized firm providing engineering services since 1929. This allows MKN to maintain our core principles and continue delivering the same high level of quality and responsiveness our clients expect, while expanding our capabilities and resources to better serve public agencies' evolving needs. Now with more than 2,000 employees nationwide, including 250 in California, we bring deep expertise in complex engineering and design services. Ardurra is ranked #75 on Engineering News-Record's (ENR) Top 500 Design Firms list, and consistently among the top 20 firms in ENR's Water Sourcebook rankings for water and wastewater services.



The project will be managed out of MKN's Irvine office, less than 4 miles from IRWD's office.

Water Is Our Focus



400+ Miles of Pipeline



Local Water-Focused Team



Proven IRWD Experience

At MKN, water is our sole focus. From planning to design and rehabilitation, we handle every aspect of water, wastewater, and recycled water infrastructure. Our principals have decades of experience in management and leadership roles for some of the highest-ranked engineering firms in the world, and we are excited to bring our expertise to IRWD.

Our team has extensively reviewed the RFP, and we are confident that we are the right team for this project. MKN offers a wide range of water, wastewater, and water reuse expertise, including **Pump Station, Pipeline, Wells, Treatment, Infrastructure, Program Management, Planning and Hydraulic Modeling, and Construction Management.**


MKN Is Committed to IRWD

MKN is local to Orange County and committed to a long-term relationship with the District.

Since opening our Irvine office in 2019, we have grown to more than 20 staff located just miles from IRWD's headquarters. Today, we provide engineering services to 15 water and wastewater public agencies in Orange County. This growth, both in Orange County and across California, reflects our client-focused approach, commitment to quality, and industry-leading responsiveness. MKN has long been dedicated to meeting California's infrastructure needs. From its inception, the firm has delivered innovative and sustainable engineering solutions tailored to the region's unique challenges. Our extensive experience in water, wastewater, and recycled water projects underscores our ability to deliver high-quality services that evolve with the demands of local communities.

MKN has successfully delivered three pipeline projects for IRWD in the past 3 years: (1) Serrano Creek Pipeline (pictured), (2) Park Plaza Pipeline, and (3) Technology and Ada Pipeline. All three projects have been delivered on budget and on schedule.



 **Additional Office Locations:**
San Jose, Oakdale,
Sacramento

BY THE NUMBERS

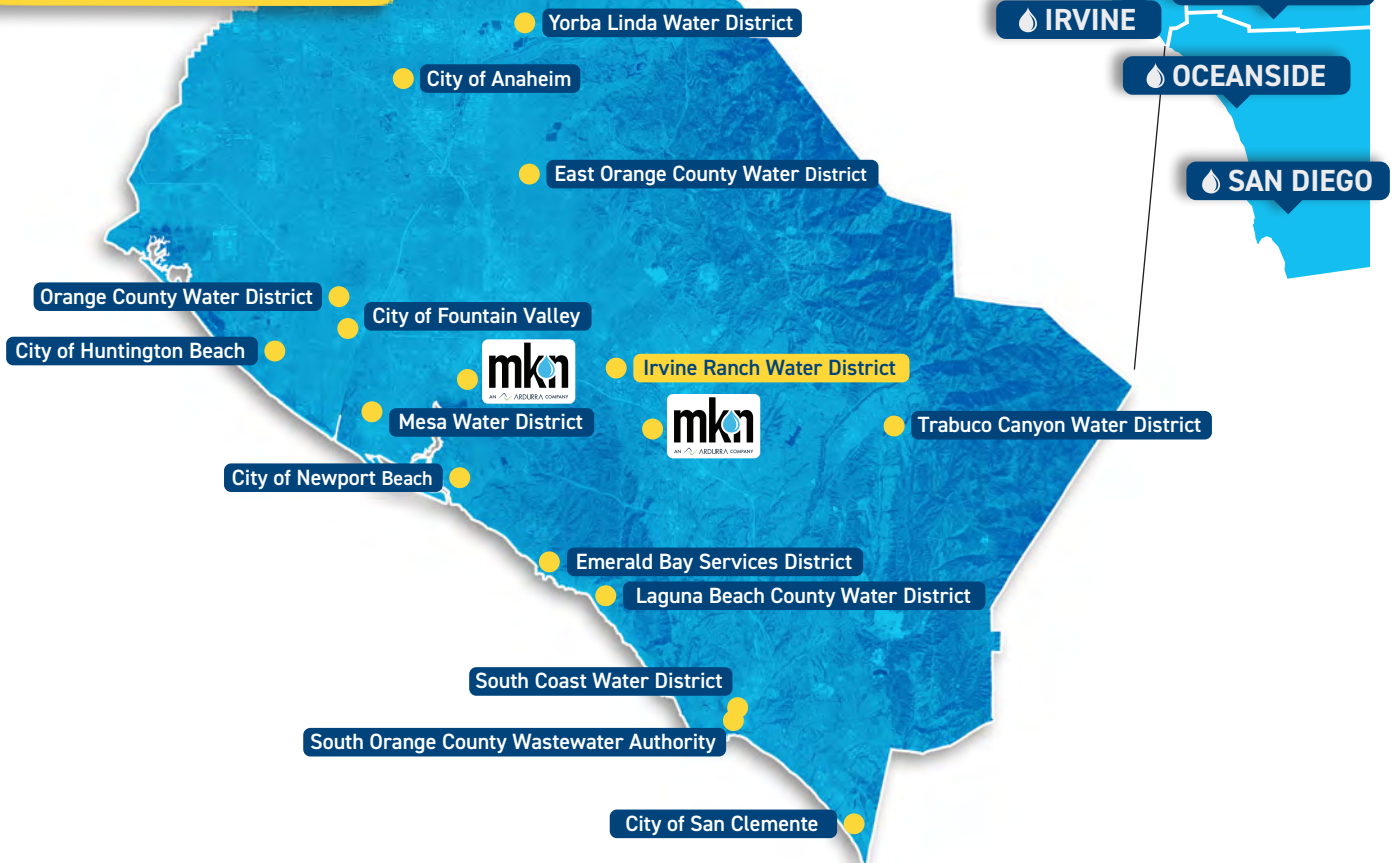
250+
Staff Members in

14
California Offices

150+
Municipal Clients

MKN has delivered engineering services to more than 150 municipal clients across California

Orange County Clients



CONTENTS

- 1 SCOPE OF WORK
 - 2 PROJECT TEAM
 - 3 PROJECT EXPERIENCE
 - 4 PROJECT SCHEDULE
 - 5 PROJECT BUDGET (SEPARATE ATTACHMENT)
 - 6 STATEMENTS
 - 7 INSURANCE
- APPENDIX**
- A RESUMES

1

SECTION



SCOPE OF WORK

1 SCOPE OF WORK

Project Approach

MKN has assembled a knowledgeable, locally based team with extensive experience delivering IRWD pipeline replacement projects. Our team has reviewed IRWD's RFP, record drawings, cathodic protection reports, and relevant exhibit documents to develop a targeted project approach. We understand the complexity of maintaining service to the Newport Ridge community, coordinating with the City of Newport Beach (City), and incorporating IRWD's design and constructability lessons learned from the Woodbridge RW Pipeline Replacement Program. These lessons were also successfully incorporated in the recently completed Technology Drive and Ada Pipeline Project design.

To effectively deliver the design of the San Joaquin Hills Road Recycled Water Pipeline Replacement Project, MKN will focus on constructability, traffic safety, corrosion mitigation, and stakeholder coordination.

MKN will evaluate system operating pressures, including potential surge conditions associated with failure of the upstream PRV, to determine the most appropriate replacement pipeline material (PVC or DIP). Selection of the preferred material will consider pressure ratings, lifecycle cost, long-term maintenance requirements, and corrosion protection needs, including compatibility with the existing cathodic protection (CP) system.

MKN assumes that the District will provide the necessary system information required for this evaluation, including system operating data, PRV settings, system pressure records, and existing CP documentation.

Table 1 presents a side-by-side comparison of PVC (AWWA C900) and Ductile Iron Pipe (AWWA C151) across key performance categories relevant to the project.

Table 1: Pipe Material Comparison

Pipe Material	Pressure Capacity	Surge Resistance	Corrosion Resistance	Weight & Installation Cost	Lifecycle Maintenance	Service Life	Typical Municipal Use
PVC (AWWA C900)	Rated 305 psi	Less resistant to rapid pressure spikes	Excellent resistance	Lightweight; easier to install	Very low maintenance	50+ years	Widely used in distribution systems
Ductile Iron (AWWA C151)	exceeds 350–500+ psi	Excellent tolerance	Requires corrosion protection	Heavier; higher installation cost	Moderate maintenance cost	75–100+ years with appropriate corrosion protection	Mostly used for PRVs and high-pressure zones

Green: Attributes generally favorable or advantageous for that category

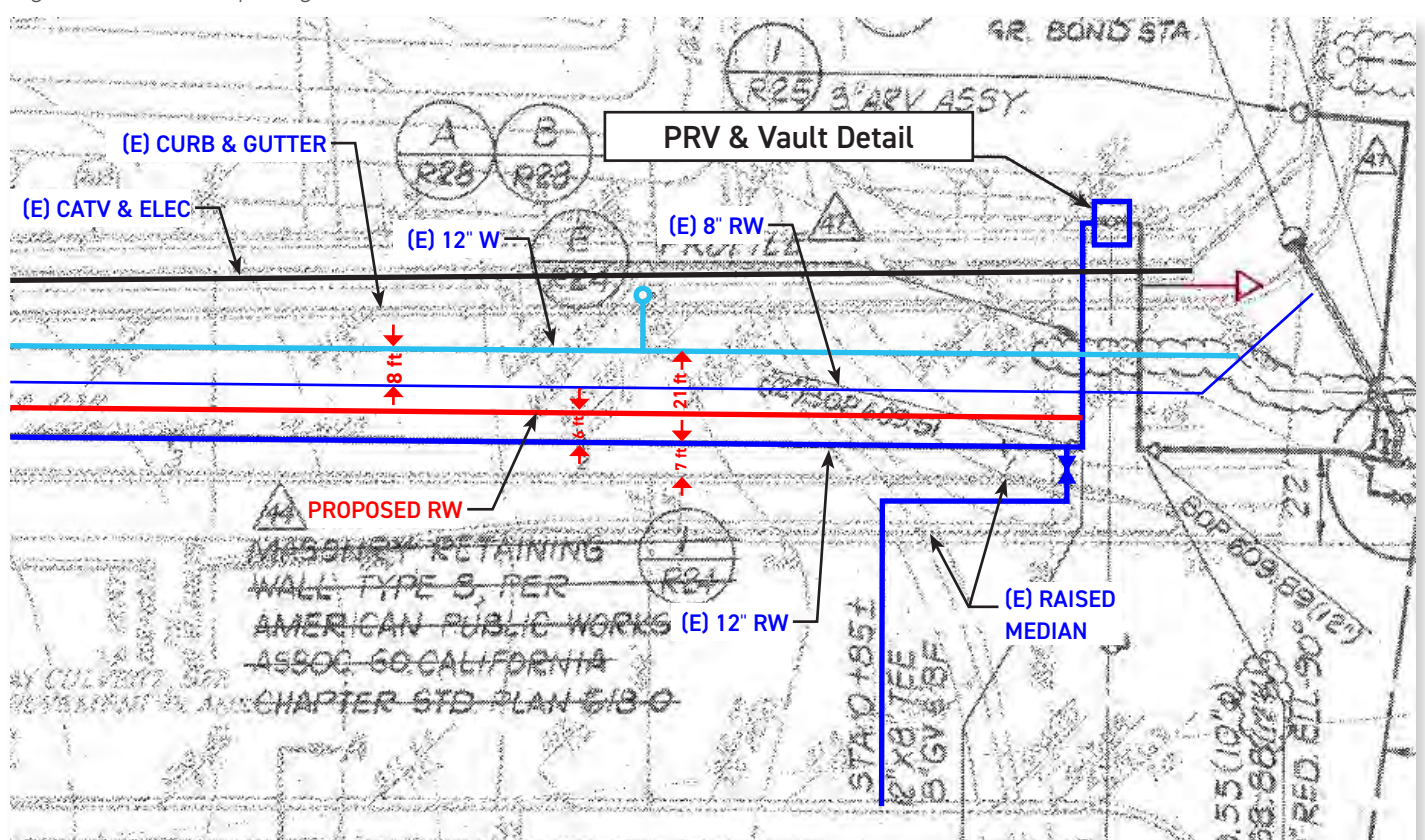
Red: Limitations or less-preferred characteristics that may require additional consideration during design

Additionally, MKN has reviewed the project background and existing record drawings and evaluated the key issues and proposed approaches/mitigations, which are summarized in **Table 2**, and proposes a potential alignment, which is included in **Figure 1**.

Table 2: Project Key Issues and Mitigations

Challenge	Approach
Multiple leaks and cathodic protection system history	Evaluate existing ICCP system, assess anode and rectifier capacity, and recommend modifications if needed.
Pavement fabric (Petromat) potential	Confirm presence through geotech borings, potholing, and City coordination; clearly define removal/disposal scope in specifications.
Maintaining service to all customers	Design phased construction, minimize shutdown durations, and prepare tie-in sequences.
City of Newport Beach coordination	Establish early coordination with City Engineering and Inspection groups to confirm asphalt paving requirements, trench backfill options (including allowable slurry backfill), steel plate limitations, and pavement fabric considerations. Additionally, MKN already has bi-weekly meetings with the City's Engineering staff due to other ongoing projects.
Minimizing resident disruption	Work with the City and IRWD to review allowable work hours, night work options, and construction access requirements for the Newport Ridge neighborhood.
Traffic control along major arterial	Prepare detailed traffic control plans; position proposed pipeline within one traffic lane wherever feasible to limit lane closure requirements.

Figure 1: Potential Pipe Alignment



Scope of Work

The following scope of work is based on our extensive pipeline design experience and the requested scope provided in IRWD's RFP. We have provided a **detailed scope of work** as part of our proposal to assist in an expedited process between selection and notice to proceed.

1 TASK 1 **Project Management**

Task 1.A | Meetings

Overall project management, which includes supervision of in-house staff, planning and monitoring of contract budget and schedule, and coordination with the District and MKN's project team, will be conducted by the MKN Project Manager. The Project Manager will review the status of budget, schedule, and relevant project issues with the District's Project Manager on a bi-weekly basis via email or telephone. The design phase is assumed to be 5 months.

MKN shall organize, attend, and conduct four meetings as part of this scope of services. The following meetings are included:

1. Kick Off Meeting: 1 hour, virtual
2. Preview Proposed Alignment Meeting (30%): 1 hour, virtual
3. Presentation of the 70% Design: 1 hour, in person
4. Presentation of the 100% Design: 1 hour, in person

MKN will submit meeting agendas 1 week prior to the meeting and provide meeting minutes within 1 week of the meeting date.

DELIVERABLES:

- Meeting agendas/meeting minutes (four total)

Task 1.B | Agency Coordination

MKN will coordinate with the City and identify all City requirements for both design and construction. MKN will present an estimated timeline for the City to complete the plan review. In addition, MKN will coordinate the construction sequencing and working hours.

Task 1.C | Quality Assurance/Quality Control

MKN will provide senior technical review and implement quality assurance and quality control (QA/QC) measures throughout the project. Kevin Saleh will lead the QA/QC work. He has provided engineering reviews for over 20 years and understands the District's standards and project requirements.

2 TASK 2 **Final Design**

Task 2.A | Project Manual

MKN will prepare a Project Manual in standard IRWD format for the Contract Documents. IRWD's front end documents will be utilized, and supplemental sections will be prepared as needed for the construction of a complete project. The Project Manual will describe the work, schedule, access or constraints, and sequencing associated with the work. The Project Manual also includes General Specifications, modifications thereto, and any Project Technical Specifications. The Project Manual template will be provided in Microsoft Word format. MKN will provide a searchable PDF file of the bidding documents in 8.5-inch-by-11-inch paper size.

DELIVERABLES:

- 70% Design Submittal – complete draft 70% Project Manual
- 100% Design Submittal – complete draft 100% Project Manual
- Final Submittal – Final Project Manual with the Engineer's electronic stamp and signatures, ready for reproduction

Task 2.B | Construction Plans

MKN will prepare detailed construction drawings in the latest AutoCAD format using NCS V4.0 layering standards and IRWD's border template, referencing NAVD 88 and NAD 83 survey datums. The plans will include all required components—site plan, index map, general notes, plans and profiles, service replacements, pipeline connections, abandonment details, construction sequencing, traffic control, and necessary details for the improvements.

MKN will design a pipeline replacement alignment that minimizes conflicts with existing utilities and private plumbing connections. The existing system must remain in service during construction, with only brief, coordinated shutdowns for final connections to the transmission mains. MKN will coordinate all shutdowns with IRWD and work with agencies such as the City to explore alternative construction hours to reduce impacts to nearby residents. MKN will also develop detailed construction sequencing, shutdown plans, and dewatering strategies to limit service interruptions.

MKN will determine the new pipeline material and alignment based on utility research, potholing, and geotechnical considerations. In selecting materials, MKN will evaluate potential surge pressures from the upstream PRV and assess impacts to the existing cathodic protection (CP) system, including any needed modifications. The existing DIP will be abandoned per IRWD standards, and MKN will include requirements for slurry or cellular concrete fill, pavement repair, and trench backfill.

MKN will prepare and process construction plans for approval by the appropriate agencies. Construction notes will be used on all drawings, and existing IRWD utilities will be identified by as-built plan numbers and material. The 30%, 70%, 100%, and final plans will be submitted electronically in PDF, and the final plans will also be provided in AutoCAD format.

The following is a list of anticipated design drawings:

Sheet No.	Drawing No.	Title
1	G-001	Title Sheet
2	G-002	Drawing Index, Abbreviations, Location and Index Maps, Legend, and Symbols
3	G-003	Construction, Recycled Water and Surveying Notes
4	C-101	Plan and Profile San Joaquin Hills Road – I
5	C-102	Plan and Profile San Joaquin Hills Road – II
6	C-103	Plan and Profile San Joaquin Hills Road – III
7	C-104	Plan and Profile San Joaquin Hills Road – IV
8	C-105	Plan and Profile San Joaquin Hills Road – V
9	C-501	Connection Details
10	C-502	Civil Details
11-28	TC-1 to TC-18	Traffic Control Plans

DELIVERABLES:

- 30% draft design concept alignment
- 70% draft in PDF format
- 100% draft in PDF format
- Final drawings in PDF format and CAD source files

Task 2.B-1 | Review of Background Material

MKN will review the data provided by the District as part of the District's RFP; these documents include as-built files and pipeline Atlas for the project area. MKN will prepare and submit a data request form for additional information needed from the District, which shall include but is not limited to:

1. IRWD CAD standards, title block, and pen table
2. IRWD Project Manual template in Microsoft Word format
3. IRWD Construction Manual
4. IRWD Standard Liquidated Damage Calculation Form
5. Record drawings

MKN Quick Start – Data Review Complete.

Our design team has already reviewed all provided as-builts. From this information, we have compiled key areas of concern, potential alignments, and points of connection. *We are ready to hit the ground running and will deliver an expedited schedule.*

Task 2.B-2 | Topographic Field Survey

MKN's subconsultant, Calvada, will conduct field surveying and produce topographic maps that will be used as a base plan for the proposed improvements. Topographic maps will include all street rights-of-way, property lines, and existing easement boundaries in the project area in the base map. MKN will recommend the width and length of the field surveying to capture the topographic features needed to complete the design. Our surveyor will obtain appropriate permits as required to perform the field survey.

Task 2.B-3 | Utility Review

MKN will perform utility research to locate utilities or other physical features, including District utilities and utilities owned by other agencies (e.g., storm drain, electrical, gas, and phone/communication duct banks). MKN will make multiple attempts to contact utilities failing to respond, and all correspondence will be documented within a utility log. Additionally, MKN will review street improvement record drawings from the City of Newport Beach to confirm the existing street paving type (e.g., rubberized, Petromat) and any special requirements and costs for removal and disposal. Responses, including relevant utilities, will be included in the utility log.

DELIVERABLES:

- Utility log (PDF)

MKN Quick Start – Utility Log Complete.

Our team has already conducted the utility research and prepared the initial utility log, and we will send letters immediately following Notice of Award. Our approach utilizing a utility log limits risks associated with utility conflicts by documenting all correspondence.

Task 2.B-4 | Pothole Investigation

MKN's subconsultant, Boudreau Pipeline, will complete potholing as needed to determine utility conflicts, e.g., proximity of crossings with existing water, sewer, storm drain, and dry utilities, with the proposed alignments of the replacement pipelines, or to determine the locations and depths of existing mains at proposed points of connection. MKN has anticipated a total of 20 pothole excavations. This work shall include obtaining permits and all necessary

traffic control measures to perform the pothole excavations, applying hot patch asphalt repair, and surveying the pothole locations. If additional potholes are needed, they will be invoiced at the proposed unit price.

DELIVERABLES:

- Pothole Report (PDF)

Task 2.B-5 | Cathodic Protection System Evaluation

MKN's subconsultant, RF Yeager, will complete an evaluation of the existing ICCP system to determine its suitability for the proposed alignment. This work includes but is not limited to anode groundbed life calculations and rectifier voltage capacity verification.

DELIVERABLES:

- CP system evaluation and recommendations Technical Memorandum (TM)

Task 2.C | Traffic Control Plans

MKN will prepare detailed traffic control plans for all proposed pipelines. The traffic control plans will be prepared in conceptual and final stages and in accordance with, and approved by, the appropriate jurisdictional agency (e.g., City, County, and/or others). Traffic control plans will be prepared at 40 scale (1" = 40') using AutoCAD drafting software on IRWD Title Block. Plans will include all existing and temporary striping, pavement markings, pavement legends, and temporary barricades. At the project limits, we will reference existing striping based on our field review. The traffic control plans will be prepared in accordance with the current California Manual on Uniform Traffic Control Devices (MUTCD), showing all lane closures, restrictions, tapers, and other disruptions of normal traffic flow, including pedestrian and vehicular detours. MKN will develop traffic control concept plans and coordinate with IRWD and the City to select the most cost-effective plan.

DELIVERABLES:

- 70% submittal: conceptual traffic control plans (to be presented and discussed with IRWD and the City)
- 100% submittal
- Final submittal

Task 2.D | Geotechnical

MKN's subconsultant, AESCO, will conduct an initial geotechnical study consisting of the following:

- Review historical geotechnical reports for the site.
- Review and consult with MKN regarding the existing pipeline, new pipeline construction methods, and geotechnical aspects of the project.
- Perform geotechnical investigations (if needed, pending review of existing report) and up to four exploratory borings (30 feet deep) to determine soil properties and conditions and groundwater levels.
- Preparation of a Geotechnical Report for the project summarizing findings and conclusions regarding the geotechnical conditions along the alignment.

ASSUMPTIONS:

Excavations will be backfilled and tamped with the excavated spoils and capped with hot-patch asphalt in pavement areas. No contaminated soil is expected in the project area. Traffic control is required to perform the work.

DELIVERABLES:

- Geotechnical Report (PDF)

Task 2.E | Permits

MKN will identify all required permits and their controlling agencies, e.g., the City. MKN will prepare applications and secure approval of encroachment permit(s). Copies of permit conditions will be inserted in the Project Manual's Appendix, and the plans and specifications will reflect the requirements for pavement restoration by the controlling agencies. IRWD will pay all permit fees directly to the agency. MKN will contact the property owner if a temporary construction easement or permit is required.

DELIVERABLES:

- Completed permit application or permit conditions

Task 2.F | Project Schedule

MKN will prepare and update a project schedule, utilizing Microsoft Project, that includes design through construction phases. The schedule will include all critical factors impacting the project schedule, including permitting, design, bid, and construction phases, and shall reflect IRWD's Notice

of Award and Notice to Proceed, contractor shop drawing submittals and Engineer review, manufacturing and delivery times for construction materials, construction activities, and construction closeout. MKN will deliver schedules with the following deliverables: 70%, 100%, and Final.

DELIVERABLES:

- Project schedule as described above in PDF format

Task 2.G | CEQA Documentation

This proposed project is subject to the California Environmental Quality Act (CEQA), and IRWD shall prepare a Notice of Exemption (NOE) for the project. MKN will provide a Location Map for the NOE.

DELIVERABLES:

- Exhibits as described above in PDF format

Task 2.H | Liquidated Damages Calculations

MKN will assist in calculating liquidated damages values using IRWD's standard liquidated damage calculation forms provided by the District.

Task 2.I | Opinion of Probable Construction Cost

MKN will prepare a detailed and itemized Opinion of Probable Construction Cost for the proposed facilities. The Opinion of Probable Construction Cost will be provided at the 70%, 100%, and Final deliverables and will be in the form of the Schedule of Work as included in the Bid Documents section of the Project Manual.

Task 2.J | Design Deliverables

- **30% Draft:** Searchable 30% design concept drawings in PDF format.
- **70% Draft:** Searchable 70% design drawings, 70% Draft Project Manual, Project Schedule, and Opinion of Probable Construction Cost in PDF format.
- **100% Draft:** Searchable 100% design drawings, 100% Draft Project Manual, Project Schedule, and Opinion of Probable Construction Cost in PDF format.
- **Final:** Final design drawings, Final Project Manual, and Final Opinion of Probable Construction Cost in PDF format, with CAD and Word source files.

Task 2.K | Bid Period Assistant

During the bidding period, MKN shall assist with providing information and clarification of bid documents to prospective bidders. This shall include the preparation of one addendum for bidding, including revisions to the design plans and specifications and assistance with addressing bidder questions. The level of effort assumed for this task includes:

- **Plan Revisions:** 8 hours for plan revisions to the construction drawings.
- **Project Manual Specification Revisions:** 8 hours for revisions or additions to the project specifications.
- **Bidder Questions:** 4 hours to address and respond to bidder questions.
- **Pre-Bid Meeting:** Attend a pre-bid meeting, which may include a site visit.

DELIVERABLES:

- One addendum (PDF)

2

SECTION



PROJECT TEAM

2 PROJECT TEAM



PROJECT MANAGEMENT

PRINCIPAL-IN-CHARGE

Safa Kamangar, PE, PMP,
CCM, QSD/P
Irvine

PROJECT MANAGER

Parasto Azami, PE
Irvine

QA/QC

Kevin Saleh, PE
Irvine

PROJECT TEAM

PROJECT ENGINEER

Judy Beik, PE
Cindy Sevilla Esparza, PE
Irvine

SURGE ANALYSIS

Chang Ye, PhD, PE, PMP,
CPE, QSD
Irvine

TRAFFIC CONTROL

James Miller, PE
Oceanside

SUBCONSULTANTS

GEOTECHNICAL

AESCO
Huntington Beach

SURVEY

Calvada Surveying
Corona

POTHOLING

Boudreau Pipeline
Corona

CATHODIC PROTECTION

RF Yeager Engineering
Lakeside

MKN Project Team

MKN has assembled a dedicated local team with extensive pipeline rehabilitation expertise that is committed to supporting your project from start to finish. Nearly all team members are based in MKN's Irvine office, bringing both direct IRWD experience and specialized knowledge in pipeline replacement. Collectively, our staff has successfully delivered dozens of replacement projects encompassing many miles of pipeline.

The following section introduces the project team, outlining their roles and providing brief bios. Full resumes for personnel are included in Appendix A.



Parasto Azami, PE
Project Manager

EDUCATION

MS, Civil Engineering,
University of California,
Irvine, CA

BS, Mechanical Engineering,
University of Tabriz, Iran

LICENSES & REGISTRATIONS

Professional Civil Engineer,
CA No. 91468

Project Management
Certification, UCI DCE

Parasto Azami brings over 13 years of experience in water and wastewater engineering design, with a strong focus on pipeline design. Her expertise includes water conveyance systems, gravity sewers, force mains, pump stations, and the rehabilitation and condition assessment of infrastructure. She has successfully led numerous complex, large-scale pipeline projects, delivering reliable and sustainable solutions. Parasto's deep understanding of engineering challenges and IRWD requirements and her commitment to excellence ensure optimal outcomes for her clients and stakeholders.



Safa Kamangar,
PE, PMP, CCM,
QSD/P
Principal-in-Charge

Safa Kamangar is a highly experienced professional with 28 years of expertise in water, wastewater, and water reuse. As a design engineer, Safa has provided hydraulic calculations, mechanical design, detailed design drawings, and development of specifications. He has a strong background in planning, design, and construction management, gained from working in both the private and public sectors. His expertise encompasses design, construction, and commissioning of water/wastewater infrastructure including more than 50 pumping facilities, 15 wells, and more than 150 miles of pipeline ranging from 4 inches to 72 inches in diameter.

EDUCATION

MS, Civil Engineering,
University of Tehran, Iran
BS, Civil Engineering, Azad
University, Tehran, Iran

LICENSES & REGISTRATIONS

Professional Civil Engineer,
CA No. 70118
Project Management
Professional (PMP), No.
1863656
Certified Construction
Manager, No. 6341
Qualified SWPPP Developer/
Practitioner (QSD/QSP), CA
No. 23059



Kevin Saleh, PE
QA/QC

Kevin Saleh has more than 30 years of experience as a civil engineer. He has led and participated in planning, design, construction management, and construction support for numerous public works projects, particularly in water and wastewater. His expertise spans the design and management of water distribution and treatment facilities, pumping stations, treatment plant processes, reservoirs, pressure-reducing/surge facilities, wastewater conveyance systems, pumping stations, and treatment plant projects.

EDUCATION

BS, Civil Engineering,
University of Tabriz, Iran
Computer Programming/
System Analysis, Seneca
Polytechnic, Toronto, Canada
Project Management (PM)
Certificate, Cornell University,
Ithaca, NY

LICENSES & REGISTRATIONS

Professional Civil Engineer,
CA No. 90535



Chang Ye, PhD,
PE, PMP, CPE,
QSD
Surge Analysis

Chang Ye has been gaining industrial experience in civil engineering since 2005. He has designed and managed over 200 civil infrastructure projects in Southern California, including potable water reservoirs, water wells, pump and lift stations, water, sanitary sewer, and recycled water pipelines, stormwater drainage systems, treatment facilities, on-site treatment systems, airports, railroads, and site gradings and developments.

EDUCATION

PhD, Civil Engineering, Missouri
University of Science and
Technology, Rolla, MO
MS, Applied Ecology, Chinese
Academy of Sciences, Beijing,
China
BS, Environmental Engineering,
Zhejiang Agricultural University,
Zhejiang, China

LICENSES & REGISTRATIONS

Professional Civil Engineer, CA
No. 68761
Project Management Professional
(PMP), No. 3709402
Certified Professional Estimator
(CPE), CA No. 310000-191-0919
Qualified SWPPP Developer
(QSD), CA No. 68761



James Miller, PE
Traffic Control

James Miller has more than 20 years of experience as a civil engineer preparing or leading the preparation of traffic engineering design plans. He has extensive experience preparing traffic control and detour design plans for water and sewer projects throughout Southern California. In addition, he has prepared traffic control plans to accommodate construction of pipelines for the Eastern Municipal Water District, Otay Water District, San Diego County Water Authority, and City of San Diego Transportation Department, to name a few.

EDUCATION

BS, Civil Engineering, San Diego State University, San Diego, CA

LICENSES & REGISTRATIONS

Professional Civil Engineer, CA No. 82522



Judy Beik, PE
Project Engineer

Judy Beik is an accomplished project engineer with a 5-year background in water and wastewater planning, engineering design, and construction management. She excels in hydraulic modeling, planning document preparation, and technical report writing. Judy has a strong track record in designing sewer lift stations, pipelines, and has expertise in crafting detailed design documents, including plans, specs, and cost estimates. She's adept at managing project costs, reviewing construction requests, and leading construction progress meetings. With excellent communication skills, Judy effectively engages with diverse stakeholders to ensure project success.

EDUCATION

BS, Environmental Engineering, University of California, Irvine, CA

LICENSES & REGISTRATIONS

Professional Civil Engineer, CA No. 96365

Pipeline Assessment Certified (PACP), NASSCO, No. P0051766-122024



Cindy Sevilla Esparza, PE
Project Engineer

Cindy Sevilla Esparza is a Project Engineer experienced in water and wastewater infrastructure design, specifically pumping station design, water conveyance systems, condition assessments, pipelines, pipeline rehabilitation, storage, and planning. Cindy is also experienced in program management, permitting, and grant compliance.

EDUCATION

MS, Civil & Environmental Engineering, California Polytechnic State University, San Luis Obispo, CA

BS, Environmental Engineering, California Polytechnic State University, San Luis Obispo, CA

LICENSES & REGISTRATIONS

Professional Civil Engineer, CA No. 96093

Anticipated Schedule of Time on the Project

MKN and its proposed team are able to meet IRWD's needs in a consistent and timely manner. Key personnel assigned to the project will not be reassigned without prior IRWD written approval. Availability for each person is provided below.

Key Staff	Role/Classification	Availability
Parasto Azami, PE	Project Manager	40%
Safa Kamangar, PE, PMP, CCM, QSD/P	Principal-in-Charge	10%
Kevin Saleh, PE	QA/QC	20%
Chang Ye, PhD, PE, PMP, CPE, QSD	Surge Analysis	20%
James Miller, PE	Traffic Control	30%
Judy Beik, PE	Project Engineer	60%
Cindy Sevilla Esparza, PE	Project Engineer	50%

Subconsultants

To strengthen our team, we made deliberate choices to provide you with highly skilled, reliable subconsultant resources. The professional capabilities of each firm are briefly highlighted below. We have successfully collaborated on previous projects with all of the subconsultants identified, and these established working relationships will translate into effective communication, schedule efficiency, and the best value for IRWD.



AESCO
Geotechnical

AESCO's geotechnical engineers and engineering geologists are professionally registered and are highly proficient in a variety of geotechnical engineering methods and field inspections and are experienced with the current building codes and technology.



Boudreau Pipeline
Potholing

Boudreau Pipeline Corporation (Boudreau Pipeline) has completed conventional and highly complex pipeline projects for Southern California's leading builders, municipalities, utilities, and contractors. Their services can meet all wet utility needs, including installation of sewer, water, and fire lines and storm drain systems.



Calvada Surveying
Survey

Founded in 1989, Calvada Surveying, Inc. (Calvada) is a Disabled Veteran and Minority-Owned land surveying firm headquartered in Corona, California. The firm serves clients across Southern and Northern California, Washington, Oregon, and Arizona. Equipped with the latest surveying technology, including High-Definition Surveying (HDS) and drone capabilities, Calvada provides precise, efficient, and cost-effective solutions tailored to each project.



RF Yeager Engineering
Cathodic Protection

RF Yeager Engineering is a DVBE/SBE, SLBE, and SCOOP certified corrosion engineering firm providing corrosion control inspections and design services for the oil, fuel, water, and wastewater industries. Established in 2004, they have built strong relationships with many of the local public agencies and municipalities and truly believe that Client and Owner satisfaction is the method by which to measure a project's success. They pride themselves in being responsive to their Client's needs and offering a quality product and personalized service at a competitive rate.

3

SECTION



PROJECT EXPERIENCE

3 PROJECT EXPERIENCE

Experience with Similar Projects

The following represent a sample of MKN's direct project experience where the services provided were the same or similar in nature to the services requested in the RFP:

Irvine Ranch Water District Projects

OWNER

Irvine Ranch Water District

CLIENT CONTACT

Belisario Rios, PE
Engineering Manager

15600 Sand Canyon Avenue
Irvine, CA 92618

rios@irwd.com
949.453.5394

Since 2022, as a pre-qualified approved vendor, MKN has been selected for multiple design projects for Irvine Ranch Water District. The following projects have been completed:

- **Serrano Creek Pipeline.** MKN provided alternatives analysis, hydraulic modeling, and final design for approximately 1,200 feet of new 8-inch recycled water pipeline to replace an existing pipe within a creek.
- **Park Plaza Pipeline.** MKN provided an expedited design for a new pipeline to replace approximately 1,100 feet of existing 6- and 8-inch AC pipeline that had reached the end of its useful life and was experiencing leaks.
- **Technology and Ada Recycled Water Pipeline Replacement.** MKN is providing design services for the replacement of approximately 4,600 linear feet of existing 6-inch ACP recycled water pipe and replacement of 22 services that have reached the end of their useful lives and are experiencing leaks.

PROJECT DATES

2022–2025

FINANCIAL SIZE

\$700k (includes all three noted projects)

South Coast Water District Projects

OWNER

South Coast Water District

CLIENT CONTACT

Taryn Kjolsing, PE
Engineering Manager

31592 West Street
Laguna Beach, CA 92651

tkjolsing@scwd.org
949.541.1327

South Coast Water District selected MKN to serve as one of five firms on the District's multi-year on-call contract. MKN has been executing projects both under this contract, as well as stand-alone contracts. Projects include:

- **Reservoir 2B Replacement.** MKN completed a preliminary and final design for replacement of Reservoir 2B. The project included hydraulic modeling, alternatives evaluation, cost estimating, constraints analysis, and environmental and geotechnical evaluation.
- **Coastal Recycled Water Pipeline Expansion.** Design services for approximately 5,500 feet of 8-inch recycled water pipeline and a new pressure-reducing station within the City of Dana Point.
- **Marriott Pipeline.** Design services for a 12-inch water main approximately 1,500 feet in length located in Dana Point in the vicinity of the Laguna Cliffs Marriott.

PROJECT DATES

2020–Ongoing

FINANCIAL SIZE

Reservoir 2B Replacement:
\$565k

Coastal RW Pipeline
Expansion:
\$440k

Marriott Pipeline:
\$220k



East Orange County Water District Projects

OWNER

East Orange County Water District

CLIENT CONTACT

David Youngblood, PE
General Manager
185 North McPherson Road
Orange, CA 92869
dyoungblood@eocwd.com
714.538.5815

MKN has been providing as-needed engineering services to East Orange County Water District through various contracts since 2021. The task orders received to date included the following:

- **Circula Panorama Zone 3 to 2 Conversion.** MKN designed a new pipeline to replace existing piping that reached the end of its useful life. The project also included a new distribution system and customer PRVs.
- **Brae Glen Pipeline.** Design of new pipeline and abandonment of existing pipeline in private easement.
- **Hinton Way & St. Jude Easement Pipeline Replacement.** Design of new 6-inch pipeline off Crawford Canyon Road, with tie-in to an existing 8-inch steel water main, and abandonment of existing pipeline in private easement.
- **Orange Knoll PRV.** Design of new PRV and abandonment of existing pipeline in private easement.
- **Water and Sewer Standards Update.** MKN completed an update to the District's water and sewer standards.

PROJECT DATES

2021–Ongoing

FINANCIAL SIZE

Circula Panorama: \$252k
Brae Glen Pipeline: \$75k
Hinton Way & St. Jude: \$70k
Orange Knoll PRV: \$25k
Water and Sewer Standards: \$100k

Placentia Water Line

OWNER

Yorba Linda Water District

CLIENT CONTACT

Yvette Hanna, PE
Senior Engineer
1717 E. Miraloma Avenue
Placentia, CA 92870-6623
yhanna@ylwd.com
714.701.3000

This project involved the abandonment of an existing 6-inch asbestos cement pipeline and construction of approximately 1,100 linear feet of 8-inch PVC pipeline along McKenzie Drive, Lute Avenue, Roxborough Drive, and Cedarlawn Drive. The scope of work also included the installation of 35 new 1-inch service lines, reconnection of these service lines to existing meters, and removal and replacement of three fire hydrants. MKN conducted a site visit and collaborated with the operations manager to identify existing pipe and meter connections, ensuring the recommended pipeline alignment meets the District's requirements.

PROJECT DATES

2024–2025

FINANCIAL SIZE

\$145k

Hollywood Beach and Roosevelt Water Pipeline Improvements

OWNER

Channel Islands Beach
Community Services District

CLIENT CONTACT

Pete Martinez, PE
General Manager

353 Santa Monica Drive
Oxnard, CA 93035

pmartinez@cibcsd.com
805.827.3000

As part of the Channel Islands Beach Community Services District's water pipeline assessment, MKN evaluated existing conditions and risk mitigation measures associated with an existing potable pipeline located within private easements and provided three alternatives for pipeline improvements. The project included planning, design, and construction support for new 6-inch to 8-inch PVC water lines, abandonment of existing 8-inch AC easement line, and transfer/relocation of residential meters.



PROJECT DATES

2021–2024

FINANCIAL SIZE

\$180k

Additional MKN Experience

MKN's team has delivered over 400 miles of pipeline, covering every aspect of pipeline development including conceptual planning, hydraulic modeling, alternatives analysis, condition assessment, detailed design, and construction management. Our design experience includes the full range of pipeline materials and trenchless construction methods, such as pipe bursting, horizontal directional drilling, and jack-and-bore. Additionally, the MKN team excels in developing conceptual and final designs of water system infrastructure, including pumping facilities and storage reservoirs.

Client	Project	Diameter (in.)	Material	Length (LF)
Antelope Valley/East Kern WA	95th Street East Pump Station/Turnout	20	Steel	500
Antelope Valley/East Kern WA	South Feeder Parallel Pipeline	24, 36, 48	Steel	34,320
Arvin CSD	Arvin RW Disposal Pipeline	18	PVC	18,480
California Rail Builders	North Kern WSD Canal 9-26	42	Conc/HDPE	400
Casitas MWD	Pipeline Loading Evaluation	33	Steel	NA
Casitas MWD	West Ojai Pipeline Project	8	PVC	5,600
Cayucos Sanitary District	Sewer Pipeline Improvements	8	PVC	3,500
Cayucos Sanitary District	Toro Creek Bridge Pipeline Rehab	8	PVC	100
City of Arroyo Grande	Fair Oaks Waterline Replacement Project	8	PVC	2,025
City of Fresno	Regional Transmission Mains	16-48	WSP, DIP	68,640
City of Fresno	Friant-Kern Canal Pipeline	60	WSP	26,400
City of Grover Beach	CDBG Waterline Replacement	6, 8	PVC	5,500
City of Grover Beach	CDBG Waterline Replacement	8	PVC	2,400
City of Guadalupe	Tognazzini Well Intertie	8	PVC	600
City of Modesto	Ninth Street Storm Drain Replacement	24-96	RCP/CIP	52,800
City of San Luis Obispo	Highland Waterline Replacement	24	DIP	165
East Niles CSD	Redbank Road Pipeline Project	8, 14	PVC	6,800
East Niles CSD	Pesante Sewer Replacement	8	VCP	500
East Niles CSD	Water Master Plan	12-36	NA	67,500
East Niles CSD	Morning Drive Transmission Pipe	20	Steel	5,500
East Niles CSD	Well No. 20 Flushing Pipeline Project	12	PVC	1,500
East Niles CSD	Brentwood Sewer Extension	8	VCP,PVC,HDPE	1,000
East Niles CSD	Pioneer Pipeline Project	12	PVC	1,400
East Niles CSD	Morning Drive and 178 Intertie	20	Steel	1,320
Fresno Met Flood CD	Various Flood Control Projects	18-48	RCP/CIP	21,120
Gunner Ranch	Wastewater Improvements	27, 30	PVC	21,120
Kern County Water Agency	Northwest Feeder Pump Station & Pipeline	42	Steel	21,120
Lakeside Union SD	LUSD Connection to Bakersfield	16	PVC	15,500
Las Virgenes MWD	Westlake Reservoir	30, 36	Steel	2,200
Monterey County WRA	Salinas River Diversion Facility	20, 30	WSP, DIP	10,560
Municipality of Jeddah	Urgent Works Storm Drainage Program	18-96	RCP/CIP	100+ miles
ND State Water Commission	Devils Lake Emergency Outlet	30, 54	Steel, HDPE	3,500
ND State Water Commission	Southwest Pipeline Project and Pump Station	24, 30	Steel	448,800
Nipomo CSD	Supplemental Water Project	12, 18, 24	DIP, HDPE	27,000
Nipomo CSD	Frontage Road Trunk Sewer Replacement	24	PVC	4,200
Nipomo CSD	Branch Street Water Improvements	8	PVC	2,100
Nipomo CSD	Joshua Road Booster Pump Station	24	PVC	27,000
North of the River MWD	Highland Park Improvement	8, 12	PVC	27,000
Santa Maria	WWTP Influent Piping Improvements	42, 48	HDPE	600
SLO County Flood Control	Nacimiento Water Pipeline	18-36	PVC, DIP	264,000
South Coast Water District	Via California Replacement	10	PVC	500
United Water CD	Alternatives Analysis	16	PVC	20,000
Valley Children's Hospital	VCH Rio Mesa Well & Pipeline	12	PVC	1,800
Ventura County	Potable Pipeline Project	12	PVC	20,000
Water Replenishment District	208th Street Pipelines	14, 24, 36	HDPE	2,400
Water Replenishment District	GRIP Conveyance Alternatives Analysis	42	Steel	25,000
Water Replenishment District	Brine Pipeline	16	HDPE	2,000
West Basin MWD	Palos Verdes Pipeline	10, 12	PVC	16,000

4

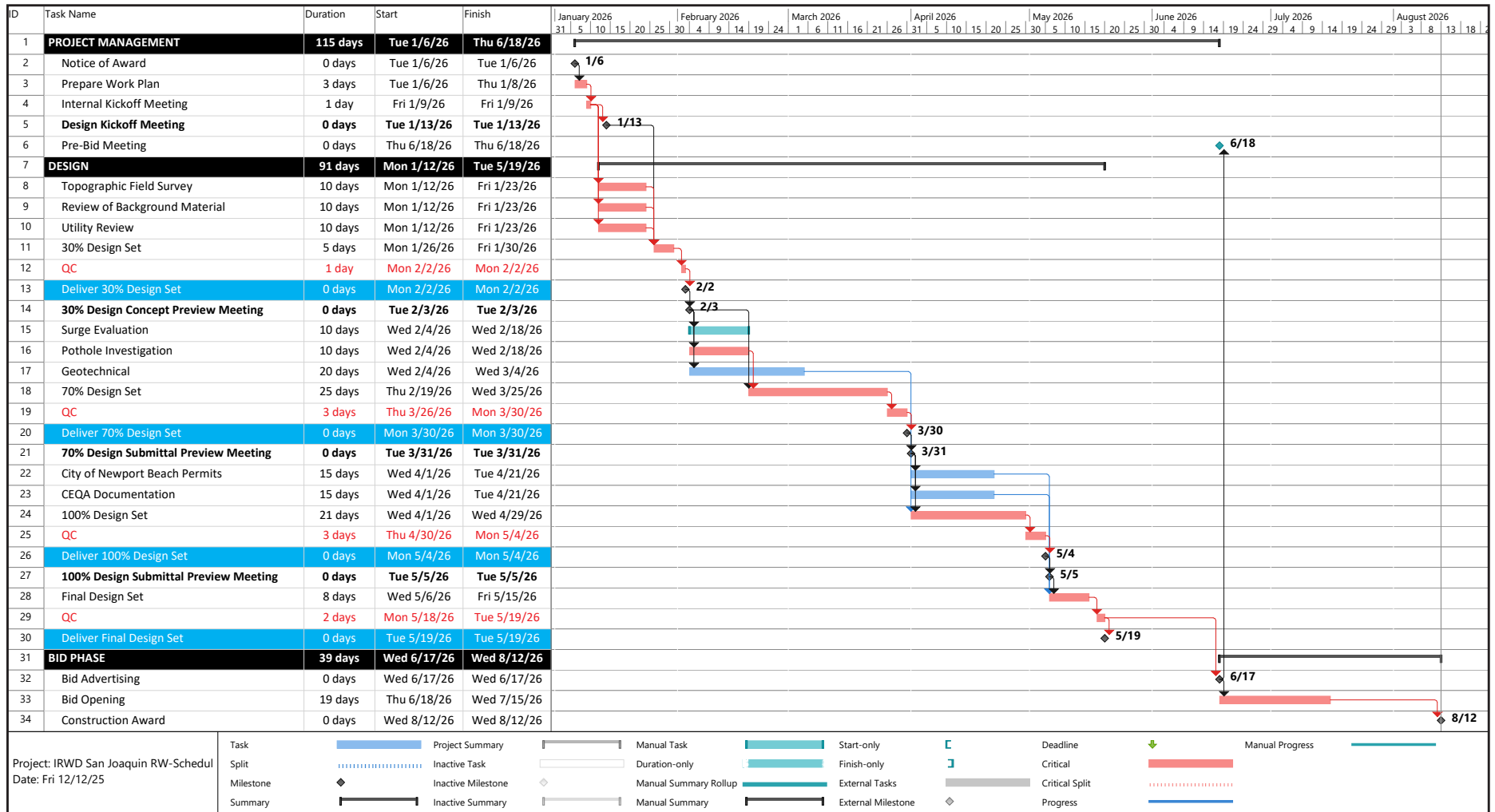
SECTION



PROJECT SCHEDULE

4 PROJECT SCHEDULE

MKN assures the firm's ability to complete all work, considering the firm's current and planned workload, based on the proposed schedule.



5

SECTION



PROJECT BUDGET

5 PROJECT BUDGET

As requested in the RFP, MKN has provided an analysis of the estimated hours that each member of the project team will contribute for the individual tasks depicted in the scope of work. Also included is the identity and estimated hours and costs of all subconsultants, reproduction costs, and other direct costs.

Our billing rate schedule remains fixed through the duration of the design and bidding phases per the anticipated schedule presented in the RFP.

	Sr. Project Director	Principal Engineer/QC, Surge	Project Manager IV- Traffic	Senior Project Engineer I- PM	Project Engineer I	Plan Check Engineer II- Traffic	Assistant Engineer II	Traffic Engineering Associate I	Senior Designer	Administrative Assistant	Total Hours (MKN)	Labor (MKN)	Potholing (Boudreau)	Survey (Calvada)	Geotechnical (AESCO)	Catholic Protection (R.F. Yeager)	Non-Labor Costs	Total Fee
Hourly Rates	\$345	\$303	\$290	\$250	\$213	\$208	\$193	\$151	\$194	\$119								
Task Group 1: Project Management																		
Task 1.1 Project Management (7 months, 4 deliverables)	4			30						10	44	\$10,070	\$ -	\$ -	\$ -	\$ -	\$0	\$ 10,070
Task 1.A Meetings (Four - 2 In person, 2 Virtual)		8		8							16	\$4,424	\$ -	\$ -	\$ -	\$ -	\$0	\$ 4,424
Task 1.B Agency Coordination				8	8						16	\$3,704	\$ -	\$ -	\$ -	\$ -	\$0	\$ 3,704
Task 1.C Quality Assurance/Quality Control		20									20	\$6,060	\$ -	\$ -	\$ -	\$ -	\$0	\$ 6,060
Subtotal	4	28	0	46	8	0	0	0	0	10	96	\$ 24,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,258
Task Group 2: Final Design																		
Task 2.A Project Manual				8	8		24				40	\$8,336	\$ -	\$ -	\$ -	\$ -	\$0	\$ 8,336
Task 2.B Construction Plans (30, 70, 100, Final) - 10 Civil Sheets		16		16	40		44		140		256	\$53,020	\$ -	\$ -	\$ -	\$ -	\$0	\$ 53,020
Task 2.B-1 Review of Background Material				4	10		8				22	\$4,674	\$ -	\$ -	\$ -	\$ -	\$0	\$ 4,674
Task 2.B-2 Topographic Field Survey				1			2		4		7	\$1,412	\$ -	\$42,317	\$ -	\$ -	\$42,317	\$ 43,729
Task 2.B-3 Utility Review				4	10		8		16		38	\$7,778	\$ -	\$ -	\$ -	\$ -	\$0	\$ 7,778
Task 2.B-4 Pothole Investigation				1			4				5	\$1,022	\$62,002	\$ -	\$ -	\$ -	\$62,002	\$ 63,024
Task 2.B-5 CP System Evaluation		2		4	4						10	\$2,458	\$ -	\$ -	\$ -	\$37,147	\$37,147	\$ 39,605
Task 2.C Traffic Control Plans (70 & Final)			20			50		160			230	\$40,360	\$ -	\$ -	\$ -	\$ -	\$0	\$ 40,360
Task 2.D Geotechnical				4	8						12	\$2,704	\$ -	\$ -	\$35,584	\$ -	\$35,584	\$ 38,288
Task 2.E Permits		2		6	12						20	\$4,662	\$ -	\$ -	\$ -	\$ -	\$0	\$ 4,662
Task 2.F Project Schedule				8			12				20	\$4,316	\$ -	\$ -	\$ -	\$ -	\$0	\$ 4,316
Task 2.G CEQA Documentation				2			8				10	\$2,044	\$ -	\$ -	\$ -	\$ -	\$0	\$ 2,044
Task 2.H Liquidated Damages Calculations				4	4						8	\$1,852	\$ -	\$ -	\$ -	\$ -	\$0	\$ 1,852
Task 2.I Opinion of Probable Construction Cost				4	8		10				22	\$4,634	\$ -	\$ -	\$ -	\$ -	\$0	\$ 4,634
Task 2.J Design Deliverables							14		4		18	\$3,478	\$ -	\$ -	\$ -	\$ -	\$0	\$ 3,478
Task 2.K-1 Plan Revisions (8 hrs.)				2					6		8	\$1,664	\$ -	\$ -	\$ -	\$ -	\$0	\$ 1,664
Task 2.K-2 Project Manual Specification Revisions (8 hrs.)				2	6						8	\$1,778	\$ -	\$ -	\$ -	\$ -	\$0	\$ 1,778
Task 2.K-3 Bidder Questions (4 hrs.)		1		3							4	\$1,053	\$ -	\$ -	\$ -	\$ -	\$0	\$ 1,053
Task 2.K-4 Pre-Bid Meeting & Site Visit				4							4	\$1,000	\$ -	\$ -	\$ -	\$ -	\$0	\$ 1,000
Subtotal	0	21	20	77	110	50	134	160	170	0	742	\$148,245	\$62,002	\$42,317	\$35,584	\$37,147	\$ 177,049	\$ 325,294
TOTAL BUDGET	4	49	20	123	118	50	134	160	170	10	838	\$172,503	\$62,002	\$42,317	\$35,584	\$37,147	\$ 177,049	\$ 349,552



2026 FEE SCHEDULE

CATEGORY	POSITION	HOURLY RATE
Communications and Administrative	Administrative Assistant	\$119
	Strategic Communications Coordinator	\$132
	Strategic Communications Specialist	\$176
Designers and Technicians	CAD Technician I	\$160
	CAD Design Technician II	\$182
	Senior Designer	\$194
Planning	Assistant Planner I	\$173
	Assistant Planner II	\$193
	GIS Specialist	\$193
	Planner I	\$213
	Planner II	\$229
	Senior Planner	\$258
Engineers	Engineering Technician	\$129
	Assistant Engineer I	\$173
	Assistant Engineer II	\$193
	Project Engineer I	\$213
	Project Engineer II	\$229
	Senior Engineer I	\$250
	Senior Engineer II	\$264
	Senior Engineer III	\$280
	Principal Engineer	\$303
	Principal Electrical Engineer	\$303
Project Management	Project Manager	\$269
	Senior Project Manager	\$280
	Project Director	\$328
	Senior Project Director	\$345
Construction Management Services	Scheduler	\$188
	*** Construction Inspector	\$210
	Assistant Resident Engineer	\$210
	Resident Engineer	\$223
	Construction Manager	\$243
	Principal Construction Manager	\$286

The foregoing Billing Rate Schedule is effective through December 31, 2026 and will be adjusted each year after at a rate of 2 to 5%.

DIRECT PROJECT EXPENSES

Outside Reproduction	Cost + 10%
Subcontracted or Subconsultant Services	Cost + 10%
Travel & Subsistence (other than mileage)	Cost
Auto Mileage	Current IRS Rate

*** 40 hrs per week assumed; part-time rates can be provided upon request

Rates also subject to prevailing wage mandatory increases during a calendar year

February 9, 2026
Prepared by: T. Sanchez / J. Moeder
Submitted by: K. Burton
Approved by: Paul A. Cook *ACA*

CONSENT CALENDAR

SAND CANYON DAM SEEPAGE IMPROVEMENTS BUDGET ADDITION

SUMMARY:

In February 2024, IRWD staff discovered seepage at the left abutment of the Sand Canyon Dam along the golf cart path. Staff and IRWD's dam surveillance consultant GEI Consultants, Inc. evaluated the seepage condition and reviewed the issue with the Division of Safety of Dams (DSOD). DSOD directed IRWD to implement measures to monitor and further control the seepage. GEI is designing improvements to further control and monitor the seepage at this location. Staff recommends that the Board authorize a budget addition of \$720,000 for engineering design and construction of the Sand Canyon Dam Seepage Improvements.

BACKGROUND:

Sand Canyon Dam is a 59-foot-high earth embankment dam built in 1943 by the Irvine Company and acquired by IRWD in 1967. Shortly after construction of the dam, seepage at the left abutment was discovered and a subdrain system was installed to manage the seepage. In 1998, a sink hole developed along the left subdrain, after which the damaged subdrain pipe was repaired.

In February 2024, staff discovered seepage at the left abutment of the dam along the golf cart path that leads to Hole 10 of the Strawberry Farm Golf Club. Shortly after discovering the seepage, staff, GEI, and DSOD visited the site to examine the condition. A project location map is provided as Exhibit "A". DSOD directed IRWD to implement measures to manage and measure the observed seepage. IRWD video inspected the existing left subdrain pipe and identified heavy congestion of roots. Since the roots could be impacting the seepage in the area, IRWD crews attempted hydro jetting the pipe to clear it, which was unsuccessful.

In May 2025, IRWD awarded a \$89,520 design contract to GEI to provide engineering design services for the Sand Canyon Dam Seepage Improvements. The improvements include a new perforated subdrain pipe and collection point for flow monitoring. GEI is scheduled to submit the final design in March and construction award is anticipated in May.

FISCAL IMPACTS:

The Sand Canyon Dam Seepage Improvements, Project 13232, is not included in the FY 2025-26 Capital Budget and staff is requesting a budget addition. A budget addition in the amount of \$720,000 is required to fund the engineering design and construction as shown in the table below.

Project No.	Current Budget	Addition <Reduction>	Total Budget
13232	\$0	\$720,000	\$720,000

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA). In conformance with the California Code of Regulations Title 14, Chapter 3, Section 15004, the appropriate environmental document will be prepared when "meaningful information" becomes available.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on January 20, 2026.

RECOMMENDATION:

THAT THE BOARD AUTHORIZES A BUDGET ADDITION OF \$720,000 FOR ENGINEERING DESIGN AND CONSTRUCTION OF THE SAND CANYON DAM SEEPAGE IMPROVEMENTS, PROJECT 13232.

LIST OF EXHIBITS:

Exhibit "A" – Project Location Map

Strawberry Farms Golf Club

Exhibit "A"

Matthews Rd

Matthews Rd

Location of Existing Weirbox and Proposed Seepage Improvements


Sand Canyon Wash

Sand Canyon Reservoir

0 50 100 200 Feet



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February 9, 2026
Prepared by: J. Muncy
submitted by: T. Mitcham
Approved by: Paul A. Cook 

CONSENT CALENDAR

CLAIM SETTLEMENT

SUMMARY:

On Wednesday, February 21, 2024, a mainline break occurred in the vicinity of the Lakeshore Towers (18101 Von Karman Avenue) and Il Fornaio restaurant (18051 Von Karman Avenue), resulting in flooding and sediment flow into an underground tunnel system, the onsite lake water feature, and the surrounding location.

Lakeshore Landlessee PT, LLC filed a claim with IRWD on August 15, 2024, for approximately \$217,000 in damages. Staff, together with the District's general liability claims administrator, George Hills, recommends settlement of the claim for \$125,000 in exchange for a full release. Staff will request reimbursement from PRISM for all costs related to the mainline break, less the District's self-insured retention of \$100,000.

FISCAL IMPACTS:

As described above.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Finance & Personnel Committee on December 9, 2025.

RECOMMENDATION:

THAT THE BOARD APPROVE A SETTLEMENT WITH LAKESHORE LANDLESSEE PT, LLC, FOR A PAYMENT OF \$125,000 IN EXCHANGE FOR A FULL RELEASE IN CONNECTION WITH THE FEBRUARY 21, 2024, MAINLINE BREAK.

LIST OF EXHIBITS:


None

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February 9, 2026

Prepared by: M. Alvarez / B. Waite

Submitted by: K. Burton

Approved by: Paul A. Cook 

ACTION CALENDAR

COASTAL ZONES B & D AND COASTAL ZONE OC-63 TO ZONE 4 PUMP STATIONS BUDGET INCREASE, BUDGET ADDITION AND CONSULTANT SELECTION

SUMMARY:

IRWD is undertaking the Coastal Zones B & D and Coastal Zone OC-63 to Zone 4 Pump Stations Rehabilitation project to address aging, unreliable, and obsolete electrical, controls, and communications infrastructure at these critical facilities. The project will improve long-term reliability and maintainability by increasing the useful life of these pump stations.

Staff recommends that the Board:

- Authorize a budget increase for Project 11568 in the amount of \$4,556,000, from \$2,237,000 to \$6,793,000;
- Authorize the addition of Project 13506 to the Fiscal Year (FY) 2025-26 Capital Budget in the amount of \$3,613,000; and
- Authorize the General Manager to execute a Professional Services Agreement with Carollo Engineers, Inc. in the amount of \$980,381 for engineering design services for the Coastal Zones B & D and Coastal Zone OC-63 to Zone 4 Pump Stations project.

BACKGROUND:

The Coastal Zones B & D and Coastal Zone OC-63 to Zone 4 Pump Stations are critical facilities that convey recycled and domestic water, respectively, to IRWD's coastal pressure zones. The Zones B & D pump stations share a common building and are co-located on the same site adjacent to the OC-63 to Zone 4 pump station within the City of Irvine. The pump station complex consists of three pump stations: Zone A to B, Zone B to D (recycled water), and OC-63 to Zone 4 (domestic water). All three facilities must remain in service to the maximum extent practicable during construction.

The electrical distribution and utilization equipment at the pump stations is approaching 35 years of service. Preventive maintenance performed in 2020 identified several components that either failed or marginally passed electrical testing, raising reliability concerns and indicating the need to replace major electrical equipment and upgrade the instrumentation, controls, and communications systems. The project scope includes replacement of switchboards, motor control equipment, programmable logic controllers (PLCs), and associated wiring; upgrades to utility service equipment in coordination with Southern California Edison (SCE); and installation of a new communications tower approximately 40 feet tall. In addition, the project includes a condition assessment of key mechanical systems, including pumps, surge vessels, valves, and piping to confirm rehabilitation or replacement needs and extend the service life of the facilities.

A primary project constraint is limiting pump station outages to maintain continuous operations to the extent practicable through detailed construction sequencing, temporary power provisions, and close coordination between IRWD staff and SCE. The selected consultant will prepare bid-ready construction documents along with supporting construction cost estimate and schedule in accordance with District standards.

Consultant Selection Process:

Staff issued a Request for Proposals for engineering design services to eight design firms, including AECOM, AKM, Brown and Caldwell, Carollo, Jacobs, MKN, SPEC Services, and Tetra Tech. Proposals were received from AECOM, Carollo and SPEC Services. The remaining firms declined to submit proposals citing workload and schedule constraints.

Both AECOM and Carollo submitted high quality proposals that meet the project objectives and goals. Following the interviews with both firms, staff determined that Carollo's project approach and team will provide the greatest overall value to the District. Carollo presented a clear and well-defined construction sequencing plan, including sequencing of the control system replacement, demonstrating a strong understanding of the District's operational constraints and the need to minimize outages. In addition, Carollo demonstrated a thorough understanding of the scope of work, supported by an appropriate list of drawings and specifications and a reasonable level of effort for each task. The consultant selection matrix is attached as Exhibit "A", and Carollo's scope of work and fee proposal are attached as Exhibit "B".

Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with Carollo in the amount of \$980,381 for engineering design services for the Coastal Zones B & D and Coastal Zone OC-63 to Zone 4 Pump Stations project.

FISCAL IMPACTS:

The Coastal Zones B & D and Coastal Zone OC-63 to Zone 4 Pump Stations, Project 11568, is included in the FY 2025-26 Capital Budget, and is funded by the recycled water replacement. A budget increase is requested to fund the design and anticipated construction cost of the recycled water facilities. Staff also requests the addition of Project 13506 to the FY 2025-26 Capital Budget to fund the design and anticipated construction cost of the domestic water facilities using domestic water replacement funds. The requested budget increase and the budget addition are as follows:

Project No.	Current Budget	Addition <Reduction>	Total Budget
11568	\$2,237,000	\$4,556,000	\$6,793,000
13506	\$0	\$3,613,000	\$3,613,000

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act. In conformance with the California Code of Regulations Title 14, Chapter 3, Section 15004, the appropriate environmental document will be prepared when "meaningful information" becomes available.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on January 20, 2026.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE TO THE FISCAL YEAR 2025-26 CAPITAL BUDGET FOR PROJECT 11568 IN THE AMOUNT OF \$4,556,000, FROM \$2,237,000 TO \$6,793,000; AUTHORIZE THE ADDITION OF PROJECT 13506 TO THE FISCAL YEAR 2025-26 CAPITAL BUDGET IN THE AMOUNT OF \$3,613,000; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH CAROLLO ENGINEERS, INC. IN THE AMOUNT OF \$980,381 FOR ENGINEERING DESIGN SERVICES FOR THE COASTAL ZONES B & D AND COASTAL ZONE OC-63 TO ZONE 4 PUMP STATIONS, PROJECTS 11568 AND 13506.

LIST OF EXHIBITS:

Exhibit "A" – Consultant Selection Matrix
Exhibit "B" – Scope of Work and Fee Proposal

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CONSULTANT SELECTION MATRIX

Coastal Zones Pump Stations								
Item	Description	Weights	AECOM		Carollo		SPEC Services	
A	<u>TECHNICAL APPROACH</u>							
1	Project Understanding and Approach	25%	2		1		3	
2	Related Project Experience	20%	1		2		3	
3	Project Team and Staff Qualifications	20%	1		2		3	
4	Scope of Work	25%	2		1		3	
5	History of Performance	10%	2		1		3	
	<u>Weighted Score</u>		1.6		1.4		3.0	
	Ranking of Consultants		2		1		3	
B	<u>SCOPE OF WORK</u>							
TASK	DESCRIPTION		Task Hours	Fee	Task Hours	Fee	Task Hours	Fee
1	Project Management		830	\$253,948	304	\$91,892	253	\$57,443
2	Preliminary Design		998	\$284,340	1,271	\$383,227	815	\$161,954
3	Final Design		2739	\$607,353	1,777	\$469,818	1,508	\$279,780
4	Bid Support		196	\$49,358	132	\$35,444	44	\$8,954
	TOTAL ENGINEERING SERVICES FEE WITHOUT OPTIONAL TASKS		4,763	\$1,194,999	3,484	\$980,381	2,620	\$557,520
C	<u>OTHER</u>							
	Technical Drawings							
	Total Sheets		56	dwgs	99	dwgs	39	dwgs
	Personnel							
	Role		Years of Experience		Years of Experience		Years of Experience	
	Project Manager		Jay Jayakumar	41	Marissa Petty	17	Luis Soto	18
	Design Manager/Project Engineer		Allen Randall	54	Mark Seal	12	Justin Todd	12
	Electrical		Tony Cortez	29	Ryan Fuentes	2	Long Pham	35
	Civil/Mechanical		James Fuchs	11	Andrew Frost	17	Dennis Schieber	29
	Instrumentation/Controls		Lawrence Pendergast	42	Jack White	4	-	
	Sub Consultants							
	Geotechnical		-		Geocon West, Inc.		Ninyo & Moore	
	Communications		-		Applied Technology Group, Inc.		-	
	Survey		-		-		Calvada Surveying, Inc.	
	Insurance							
	General Liability		Yes		Yes		Yes	
	Automobile		Yes		Yes		Yes	
	Workers' Compensation		Yes		Yes		Yes	

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PREPARED FOR IRVINE RANCH WATER DISTRICT

Engineering Design Services for Coastal Zones B&D and Coastal Zone OC-63 to Zone 4 Pump Station Rehabilitation Project

PROPOSAL / DECEMBER 2025



Table of Contents

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Understanding and Approach

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- List of Drawings/Technical Specifications
- Team's Availability
- Level of Effort
- Insurance Certificate
- Resumes

Scope

The following represents our understanding of the Scope of Services and is the basis for our level of effort and fee estimates.

Task 1 – Project Management

This task includes all aspects of project management including managing scope, schedule, budget, preparing progress reports and attending meetings. Under this task, we will implement an effective quality assurance/quality control (QA/QC) program. We will organize, attend, and conduct required meetings.

TASK 1 – DELIVERABLES

- **Meeting agendas for each meeting:** Submitted as a PDF document to IRWD at least 5 days before the meeting.
- **Meeting minutes for each meeting:** Submitted to IRWD within 3 working days after each meeting by email with a PDF attachment.
- **Weekly project status reports:** Each report will consist of a brief email summarizing the activities completed the previous week, the activities planned for the upcoming week, and critical decisions that must be made.
- **Monthly status report with invoices:** Each report will consist of a detailed summary of the activities completed the previous month, the activities planned for the upcoming month, and critical decisions that need to be made. The report will be submitted along with the billing invoice for that month and will review work status relative to budget and schedule. The project design schedule will be updated monthly for inclusion in the monthly status report.

TASK 1 – ASSUMPTIONS

- Meetings shall include:
 - » **Kickoff meeting:** One 2-hour meeting. In person. 2 Attendees.
 - » **Monthly progress meetings:** Twelve 1-hour meetings. Virtual. 2 Attendees.
 - » **Meetings with jurisdictional agencies and project stakeholders including SCE:** Two 2-hour meetings. Hybrid. 2 Attendees.
 - » **Site visits:** Three 2-hour visits. In-person. 3 Attendees.
 - » **Technical memorandum (TM) technical progress meetings:** Three 1-hour meetings. Virtual. 2 Attendees.

- » **Draft preliminary design report walkthrough meeting:** One 2-hour workshop. Virtual. 3 Attendees.
- » **Technical focus meetings:** Four 1-hour meetings. Virtual. 2 Attendees.
- » **Draft preliminary design report comment review meeting:** One 2-hour meeting. Hybrid. 3 Attendees.
- » **60% Draft submittal presentation:** One 2-hour meeting. Virtual. 3 Attendees.
- » **60% Draft submittal comment review meeting:** One 2-hour meeting. Hybrid. 3 Attendees.
- » **90% Design submittal presentation:** One 2-hour meeting. Virtual. 3 Attendees.
- » **90% Design submittal comment review meeting:** One 2-hour meeting. Hybrid. 3 Attendees.
- » **100% Design submittal comment review meeting:** One 2-hour meeting. Hybrid. 3 Attendees.
- Hybrid meetings will include up to 2 in-person personnel.
- The design schedule shall include all critical factors impacting the project design schedule including implementation, permitting, and coordination activities to make sure that the project is completed in accordance with the proposed schedule. The design schedule shall be prepared in Microsoft Project.



Value Add:

Pre-bid meeting: One 2-hour meeting. In-person. 2 Attendees.

Task 2 – Preliminary Design

This task includes 1) a condition assessment of the mechanical equipment and 2) preliminary design of electrical and controls infrastructure improvements. **The preliminary design will include:**

- **Background information research:** A review of existing reports, record drawings, and other reference documents will be done. After the background review, a meeting will be held to kick off the preliminary design. The meeting will focus on impacts to existing electrical infrastructure, site constraints, facility considerations, and overall sequencing.

- **Coordination with outside agencies:** Carollo will identify all required permits for the project and prepare applications and secure all permits, including Southern California Edison (SCE), Federal Aviation Administration (FAA), and Federal Communications Commission (FCC). As part of the task, Carollo will also coordinate efforts necessary to communicate the proposed Project design, address any comments from the SCE, FAA, FCC, and other appropriate agencies. All permit requirements will be integrated into the project design.
- **Condition assessment:** A desktop study and site field investigation of the mechanical equipment at both pump stations which will include evaluating existing piping, valves, surge tanks, and associated appurtenances to determine if any equipment needs to be upgraded. The desktop study will include review of operational and maintenance historical data including review of the pump curves and original design operating point(s). Carollo will include recommendation(s) to either replace or rehabilitate mechanical equipment. If a pump evaluation is recommended, Carollo will identify certified repair shop(s) to pull an existing pump and conduct a thorough inspection of the mechanical equipment.
- **Electrical and controls:** Develop electrical, instrumentation, and controls design requirements associated with the proposed improvements, which may include:
 - » Replacement of existing Switchboard (SWBD-R), SWBD-D, Reduced Voltage Starters Section (RVNRS-R), RVNRS-D, Motor Control Center (MCC-R), and MCC-D which includes existing breakers, motor starters, controls, protective relaying and power quality monitoring.
 - » Replacement of existing Uninterruptible Power Supply (UPS) battery system.
 - » Replacement of existing PLCs and providing additional spare input/output (I/O) points.
 - » NEC and NFPA Code Compliance evaluation including addressing arc flash concerns.
 - » Coordination with SCE to confirm feasibility of potential relocation of the main feeder breaker.
 - » Implementation plan to determine overall sequencing of work and phasing. Work restrictions and temporary power requirements shall be identified.
 - » Evaluation of building improvements needed to bring electrical buildings up to current building codes.
 - » Evaluation of the potential relocation of the existing generator breaker to outside of the electrical building.
- » Evaluate upgrading portable generator power connection to handle starting 3 to 4 pumps.
- » Evaluation of replacing existing conduit or wiring throughout the site necessary to implement electrical and control improvements.
- **Pre-procurement package:** Develop pre-procurement technical specifications and drawings for long lead electrical equipment. Carollo will review the pre-procurement submittals.
- **Communications:** Develop requirements for a 40-foot-tall tower for communications.
 - » **Site layout:** Prepare site layout showing existing facilities, proposed tower and pole, and any necessary site improvements.
 - » **Structural:** Provide structural analysis, seismic and wind load analysis, and design recommendations for the tower supports and foundations.
 - » **Geotechnical:** Perform geotechnical investigations to determine existing soil properties and conditions, and groundwater levels. A geotechnical report shall be provided detailing soil investigations, analysis, conclusions, and recommendations for any earthwork operations required to provide foundational support of the tower and appurtenant equipment pad.
 - » **Safety:** Incorporate CalOSHA design requirements and guidelines in the tower's ladder and fall protection design. Ladder access shall incorporate a deterrent mechanism to prevent unauthorized access.
- **Project schedule:** Carollo will prepare a project schedule that details design and construction activities. The schedule will include estimated design, bid, and construction phases, Carollo's notice of award and notice to proceed, review and acceptance of Carollo's submittals, estimated delivery of critical materials and equipment based on vendor proposals for major equipment, IRWD's holidays, and construction closeout.
- **Opinion of probable construction cost (OPCC):** A cost estimate will be prepared for the proposed improvements.
- **Preliminary design report:** All work in Task 2 will be summarized and compiled into a Preliminary Design Report (PDR). The PDR will include technical memoranda (TMs), preliminary drawings and diagrams including Single Lines and P&IDs, preliminary construction schedule, OPCC along with an anticipated list of final design drawings and technical specifications as appendices.

TASK 2 – DELIVERABLES

- Three (3) hard copies of Draft TMs and one (1) electronic copy in PDF will be submitted for review. Upon resolution and incorporation of review comments, three (3) hard copies of the final TMs and one (1) electronic copy in PDF will be submitted. **TMs will include:**
 - » TM-1 condition assessment.
 - » TM-2 relevant project codes, standards and SCE requirements.
 - » TM-3 replacement work: Design criteria, preliminary sizing, preliminary layouts, and generator breaker relocation evaluation.
 - » TM-4 implementation plan: Temporary power and overall sequencing of the proposed electrical and controls work, associated costs for implementation alternatives, and preliminary work restrictions.
- Three (3) hard copies of Draft PDR and one (1) electronic copy in PDF will be submitted for review. Upon resolution and incorporation of review comments, three (3) hard copies of the final PDR and one (1) electronic copy in PDF will be submitted.
- Project schedule and OPCC.
- Draft pre-procurement technical specifications and drawings for long lead electrical equipment in searchable PDF format. Upon resolution and incorporation of review comments, final pre-procurement technical specifications and drawings for long lead electrical equipment will be provided in searchable PDF format.
- Submittal review comments.

TASK 2 – ASSUMPTIONS

- A pump evaluation is not included in the scope of work. If a pump evaluation is ultimately needed, this would be completed in parallel with the Electrical and Controls work to mitigate project delays associated with long lead times of electrical equipment.
- Repair and replacement of equipment and infrastructure identified in the condition assessment are not included in the scope of work.
- The PDR will be finalized with the 60% design deliverable.

Task 3 – Final Design

This task includes the preparation of a final design and 60%, 90%, 100%, and final submittals. Work performed will conform to the District standards and requirements including, but not limited to, the District Project Manual and Construction Manual, and all applicable codes (e.g., NEC and CEC).

The final design will include:

- **Project Manual:** The manual will be in standard District format and will use the District's front end documents. Carollo will determine any needed supplemental special provisions that should be added to comply with the District's general provisions and front end requirements. The Project Manual will describe the work, schedule, constraints, necessary temporary provisions, maximum shutdown durations, coordination requirements with operations staff, and possible sequencing associated with the work. Project Manual will also include general technical specifications, modifications thereto, and any project technical specifications.
- **Instrumentation and control strategies:** Carollo will prepare an operational scheme including P&IDs, single line diagrams, control equipment list, control loop descriptions, and a method of integrating the proposed facilities into IRWD's existing SCADA system. Prior to this process, Carollo will meet with IRWD's electrical/automation staff to incorporate IRWD's standard operations, programming, and tagging requirements into the design. Carollo will develop and provide the control strategies in "plain English".
- **SCE final service plan:** This task includes coordination efforts necessary to communicate the project requirements and address any comments from SCE to obtain SCE's approval for the proposed electrical services at the site. The final service plan will be obtained and inserted in the appendix of the Project Manual.
- **OPCC:** The preliminary construction cost opinion will be updated as the project progresses and will be provided with each final design submittal. The format for the cost opinion will follow the itemized schedule of work in the bid documents of the Project Manual.

TASK 3 – DELIVERABLES

- **60% Draft submittal:** 60% Drawing set (100% P&IDs) and 60% Project Manual, in searchable PDF format.
- **90% Design submittal:** 90% Drawing set and 90% Project Manual that has been QA/QC'd by Carollo. Sets will be substantially complete. Searchable PDF files of the drawings and Project Manual will be submitted.
- **100% Design submittal:** 100% Drawing set and 100% Project Manual that has been QA/QC'd by Carollo. Searchable PDF files of the drawings and Project Manual will be submitted.
- **Final design submittal:** The final drawing and Project Manual draft set will be backchecked for inclusion of all previous comments, with Carollo's project manager's electronic stamp and signature added. Once the submittal is reviewed and minor comments are addressed by Carollo, the final design submittal set will be submitted to

be signed by the District. We will provide AutoCAD files for the entire drawing set once signed by the executive director. Searchable PDF files of the drawings and Project Manual will be submitted. The Project Manual will also be submitted in Microsoft® Word format. One (1) hard copy of the drawings in half-size (11x17) and Project Manual will be provided after backcheck is complete and signed by IRWD's executive director.

- **Project schedule for each deliverable:** OPCC with cost variance report that includes a detailed breakdown of cost changes along with reasons behind significant changes shall be provided at each design submittal phase starting with the 60% design.

TASK 3 – ASSUMPTIONS

- Project schedule will include design, bid, and construction phases, Carollo's notice of award and notice to proceed, review and acceptance of Carollo's submittals, delivery of critical materials and equipment, IRWD's holidays, and construction closeout.

Task 4 – Bid Support

- **Addenda preparation and pre-bid meeting:** During the bidding period, Carollo will assist by providing information and clarification of bid documents to prospective bidders and attend the pre-bid meeting. This effort will include the preparation of an addendum for bidding, including revisions to the design plans and specifications, and assistance in addressing bidder questions.
 - » **Conformed drawings and Project Manual:** After the bid period, Carollo will prepare a Conformed Drawing set which includes any revisions to the drawings as well as a Conformed Project Manual which includes any revisions to the project technical specifications.
 - » **Post-bid evaluation:** If the lowest bidder exceeds Carollo's OPCC estimate by 10%, Carollo will be required to conduct a confidential bid evaluation within two weeks from the bid due date. This evaluation should include a detailed analysis of the deviation, providing insights into the variance.

TASK 4 – DELIVERABLES

- Addendum.
- Conformed drawings and Project Manual.
- Post-bid evaluation (if applicable).

TASK 4 – ASSUMPTIONS

- Three addenda will be provided.
- Twenty-four hours are budgeted for plan revisions to construction drawings.
- Eight hours are budgeted for revisions or additions to the project specifications.
- Twelve hours are budgeted to address and respond to bidder questions.
- Eight hours are budgeted for 2 attendees to prepare for and attend the pre-bid meeting.

General Assumptions

- IRWD shall furnish Carollo available studies, reports and other data pertinent to our services; obtain or authorize Carollo to obtain or provide additional reports and data as required; furnish to Carollo services of others required for the performance of Carollo's services hereunder, and Carollo shall be entitled to use and rely upon all such information and services provided by IRWD or others in performing our services under this Agreement.
- Carollo has no control over the cost of labor, materials, equipment or services furnished by others, over the incoming water quality and/or quantity, or over the way IRWD's plant and/or associated processes are operated and/or maintained. Data projections and estimates are based on Carollo's experience and judgment. Carollo cannot and does not guarantee that actual costs and/or quantities realized will not vary from the data projections and estimates prepared by us and Carollo will not be liable to and/or indemnify IRWD and/or any third party related to any inconsistencies between our data projections and estimates and actual costs and/or quantities realized by IRWD and/or any third party in the future, except to the extent such inconsistencies are caused by Carollo's negligent performance hereunder.
- The services to be performed by Carollo are intended solely for the benefit of IRWD. No person or entity not a signatory to this Agreement shall be entitled to rely on Carollo's performance of its services hereunder, and no right to assert a claim against Carollo by assignment of indemnity rights or otherwise shall accrue to a third party as a result of the project Agreement or the performance of Carollo's services hereunder.
- The Project Manual will be provided in flattened PDF, including page labels, bookmarks, searchable text, and hyperlinks. Microsoft® Word format files used in the preparation of the Project Manual will be provided.
- Detailed construction drawings as part of the Contract Documents will be provided in the latest version of AutoCAD and using National CAD Standards (NCS)

Version 4.0 layering standards, on 22-inch x 34-inch sheets utilizing IRWD's standard border template. Separate sheets with sheet index/location map/legend, general notes, index map, construction notes, phasing, and details shall be included. Construction notes shall be used (callouts on the drawings are not allowed) on all construction drawings. The index map shall include sheet legend, surrounding streets, and significant project site locations.

- All formal deliverables and design submittals will be uploaded and reviewed using a Bluebeam Revu Studio Sessions per IRWD guidelines and standards.
- Documentation indicating that QA/QC measures were performed will be available upon request. The documentation shall identify by name the individuals involved with the QA/QC efforts.
- The construction schedule will include major construction activities, interim and major milestones, sequencing and work restrictions and take into account submittals, equipment fabrication lead times, permitting, etc. The construction schedule shall be prepared in Microsoft Project.

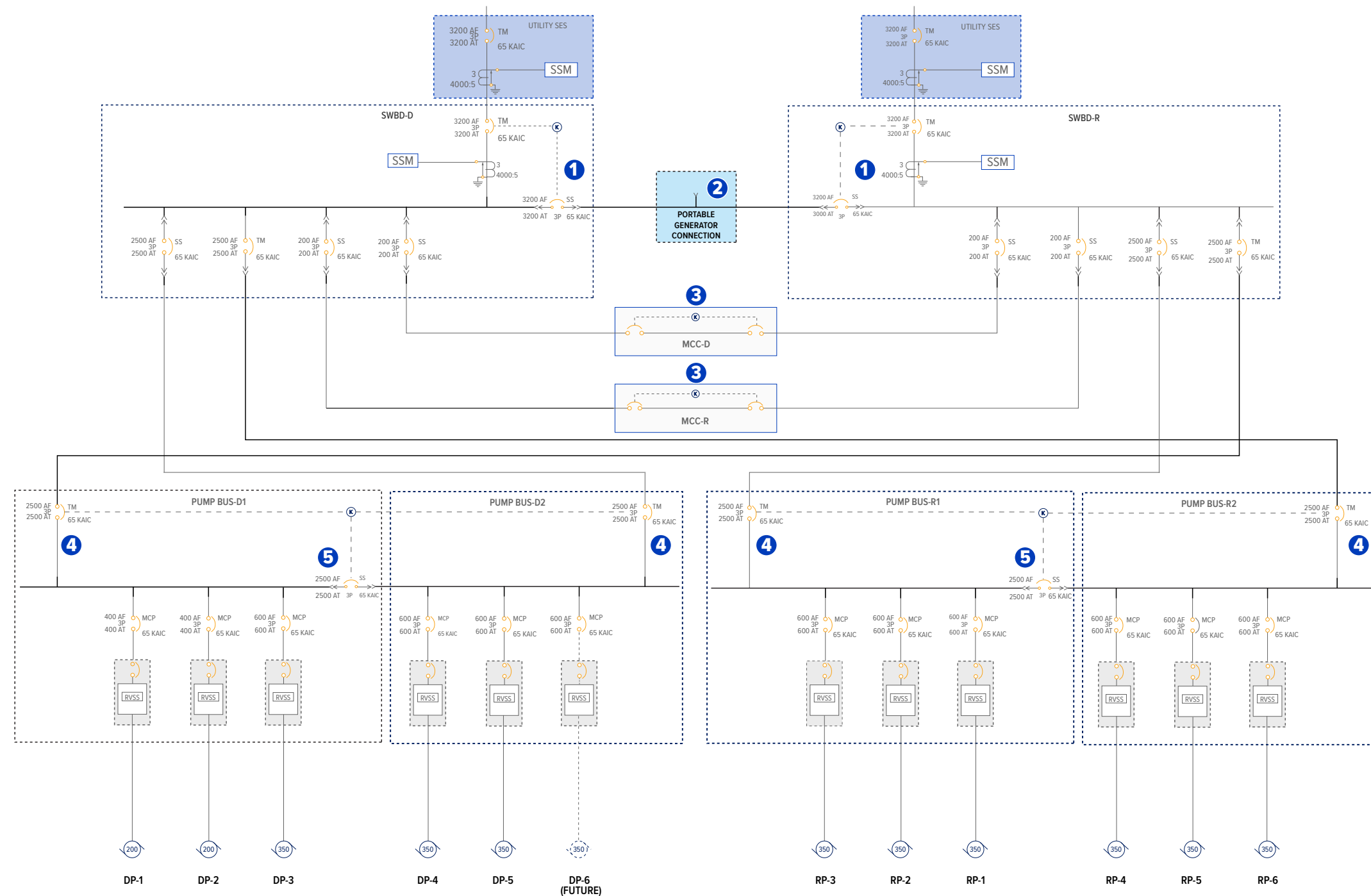
Understanding and Approach

We will work with the District to develop an updated electrical distribution system enhancing redundancy to provide greater flexibility for maintenance and repairs and a comprehensive temporary power phasing plan minimizing the amount of time the pump stations are offline.

Electrical Distribution Redundancy Improvements

The electrical replacements at these critical pump stations should be evaluated for more than just one-for-one replacements, redundancy improvements options should be considered as part of the replacement. Carollo will support the District to determine the "right" level of redundancy needed for the pump stations through option development, cost comparison, and risk evaluations. We have provided a preliminary overall one-line diagram for the pump stations with redundancy improvement options.

- 1 Tie-breakers between the pump station SWBDs to allow both utility feeds to be utilized for either pump station.
- 2 A fully rated portable generator connection allows a larger portable generator or generators operating in parallel to feed additional pumps at both pump stations simultaneously.
- 3 Separate equipment and dual power feeds for the common building power loads (i.e. lights, receptacles, HVAC, UPS, etc.) to keep the loads powered regardless of system configuration and limit the needed outage time during maintenance/repairs.
- 4 Split pumps between two MCCs with dual power feeds from different sources to limit the number of pumps offline during maintenance/repairs.
- 5 Add a tie breaker to allow all pumps to be powered even with one SWBD out of service.



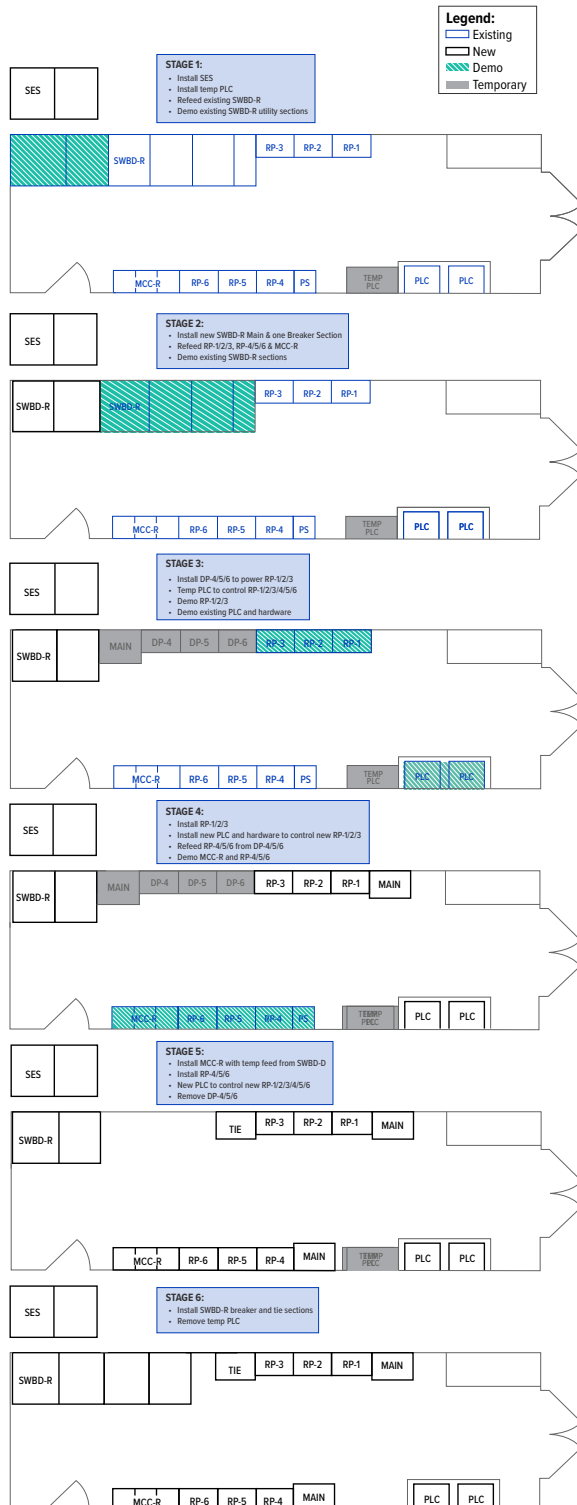
Pump Station Preliminary One-Line with Redundancy Options

We will work with the District to further develop options to select the "right" electrical distribution system that meets the District's specific redundancy needs for the pump stations.

Temporary Power Phasing Plan

Our temporary power phasing plan includes the following key elements:

- Detailed sequencing.
- Equipment selection.
- Temporary equipment.
- Re-using existing conduits.



Detailed Sequencing

Clearly defining the sequencing in the Contract Documents provides more consistent contractor bidding and enforceable requirements during construction to minimize downtime and reduce change orders related to temporary power requirements. We have included a potential sequence for the Coastal Zones B&D Pump Station, as this pump station has less available space to locate temporary equipment in the electrical room, which will result in a more challenging sequence. The same concepts can be used for the OC-63 to Zone 4 Pump Station. This sequence can be refined with the District to achieve a cost-effective solution that minimizes downtime.

Equipment Selection

The District already understands the need for pre-procurement of long lead electrical equipment, but the pre-procurement process can also be utilized to perform a value-based selection of the equipment. Where manufacturers can meet certain footprint and conduit entry constraints, the added costs can be offset by other cost savings, such as being able to re-use existing conduit and/or fit better in existing space. Additionally, having the equipment dimensions defined before completing the final design allows the room layout and sequencing to be better defined in the Contract Documents.

Temporary Equipment

Utilizing the new or existing equipment to provide temporary power will limit the temporary power costs on the project and will reduce risk. **This includes the following:**

- The new and existing equipment is already designed for the pump stations.
- Unforeseen schedule extensions will not result in extended rental costs if temporary equipment is rented.
- Purchasing new or used equipment (that will likely need to be modified) for temporary equipment will increase costs.



Coastal Zones B&D Pump Station Preliminary Detailed Sequencing Plan

The proposed sequencing limits complete pump station outages to approximately 8 hours to move cables between existing, temporary, and new equipment and/or disconnect/connect sections of equipment. We will work with the District to further develop these sequencing concepts to fit operational constraints.

The first pump station to be upgraded can utilize one of the new MCCs for temporary power and the second pump station to be upgraded can utilize one of the existing MCCs for temporary power. The temporary equipment is critical in minimizing downtime, as both the new and equipment can be installed simultaneously and outages will be limited to short durations that move cables between existing, temporary, and new equipment and/or disconnect/connect sections of equipment.

Re-using Existing Conduits

Installing new exposed conduit in the pump room that does not conflict with the bridge crane will likely increase conduit length, introduce tripping hazards, and ultimately increase overall costs and schedule. We will work with the District to develop phasing plans that strategically re-use conduits where possible and preserve equipment access.

PLC Improvements

The PLCs at both pump stations have reached the end of their useful lives and will be replaced to conform to current District standards as part of this project. Both of the current PLC panels have minimal space to install new equipment, with field wiring in conduits that enters through the bottom of the panels and is embedded in the concrete foundation. To maximize the limited space in the station electrical rooms and avoid the risk of cost and schedule impacts from installing new wiring and conduits from the new station PLCs to every device, we will use the existing PLC panels, wiring, and conduits to the fullest extent possible.

Additionally, to minimize downtime and reduce risk, a temporary PLC will be used to maintain operations while new PLCs and hardware are installed. The sequencing of the PLC hardware replacement will coincide with the electrical upgrades to minimize process disruptions. The same temporary PLC can be utilized for both Zones B&D Pump Station and OC-63 to Zone 4 Pump Station.

The first pump station to be upgraded will utilize a new temporary PLC panel that will be located near the current PLC panel to provide continuous station control while the old PLC and associated hardware are replaced. When the temporary PLC has been installed, station control will be migrated from the old PLC to the temporary PLC and tested for functionality. Once the temporary PLC has been commissioned, the old PLC and hardware will be removed and replaced. When the new PLC and hardware have been installed, station control will be migrated from the temporary PLC to the new station PLC and tested to provide functionality. Once the new PLC has been commissioned, the temporary PLC and hardware will be uninstalled and removed for use at the second pump station to be upgraded.

Radio Improvements

Once the new communications tower has been constructed, a new antenna will be installed and routed to the existing transceiver device. Radio communications will be migrated from the existing antenna to the new antenna. Once the new antenna has been commissioned, the old antenna can be removed. This work can occur independently of the PLC improvements.

Mechanical Replacement/Rehabilitation

In parallel with the electrical and instrumentation improvements, a condition assessment of the mechanical equipment will be performed. This condition assessment will be based on a desktop study of available equipment records, as built, and other relative information paired with a field walk of both pump station facilities to document actual equipment and conditions on site.

The condition assessment will cover existing surge tanks, valving, piping, appurtenances, and pumps. It is expected that on-site pumps will need rehabilitation or replacement, as they are approaching the end of their useful lives. For these items, replacement of the pumps is recommended for several reasons, over rehabilitation. **Replacement vs. rehabilitation is outlined in the table on the next page:**

Replacement vs. Rehabilitation of Existing Pumps

Method	Benefits	Potential Issues
Replacement	<ul style="list-style-type: none"> ▪ Verified integration with new electrical improvements. ▪ Known warranty and expected life prognosis. ▪ Provides an 'all new' solution for the pump stations. 	<ul style="list-style-type: none"> ▪ Higher cost. ▪ Potential minor piping improvements. ▪ Potential improvements to bolt patterns / pump foundations.
Rehabilitation	<ul style="list-style-type: none"> ▪ Lower cost. ▪ Potential to avoid longer lead times. ▪ Guaranteed fit with existing equipment and piping. 	<ul style="list-style-type: none"> ▪ May require subsequent electrical / instrumentation improvements at time of future replacement. ▪ Not a long-term solution. ▪ Does not provide an 'all new' solution.

*Carollo recommends replacement of pump equipment. While rehabilitation may be an option, this could require subsequent electrical upgrades once pumps are ultimately replaced. **Upgrading now provides a one time, all new option for the District which will seamlessly integrate with the new electrical and instrumentation upgrades.***

Results of the condition assessment as well as the formal recommendations on existing equipment will be summarized in **TM-1 Condition Assessment**. This TM will be submitted as required in the RFP scope, and memorialized in the final PDR document.

Staff Team Qualifications and Experience

This team combines hands-on experience, regional knowledge, and technical depth to deliver seamless electrical, mechanical, and communications upgrades for IRWD.

Firm Introduction: Electrical Innovators. Water Experts.

carollo® Carollo offers proven, hands-on experience executing complex electrical and mechanical improvements for water infrastructure systems. Our team excels at managing every aspect of equipment replacement, PLC modernization, and communications system improvements, including seamless coordination with SCE. We understand that this project is not just about replacing hardware—it's about integrating advanced technologies, evaluating mechanical systems for optimal performance, and constructing reliable communications towers to support IRWD's operational needs. With a proven track record on similar projects, Carollo's specialists are ready to guide IRWD at every phase, from technical evaluation through construction, delivering resilient, future-ready solutions that keep your facilities running safely and efficiently.

GEOCON Geocon West, Inc. (Geocon) is a California corporation established in 1971, providing comprehensive geotechnical, geologic, materials testing, and environmental consulting services. The Geocon Irvine office and certified laboratory serve as the local hub for Orange County, delivering responsive geotechnical engineering and construction support to municipal, water, and utility clients. Backed by additional offices across Southern California, Geocon offers the depth of resources and technical expertise needed for complex infrastructure projects.

APPLIED TECHNOLOGY Applied Technology Group, Inc. (ATG) is a three-generation family-owned wireless communications company serving California and Kern County for 70 years. ATG provides radio frequency consulting and engineering services across public safety, commercial, education, private enterprise, and government sectors. The company represents over 15 communication product lines and owns and operates all communication sites, with approximately 100 repeaters currently operational and ongoing development of new systems. ATG completed the first radio link connecting Northern California with the Southern San Joaquin Valley and Central Coast.

The Proven Team: Knowledgeable. Cohesive. Built for Your Project.

The Pump Station Rehabilitation project at the Coastal Zones B&D and Coastal Zone OC-63 to Zone 4 PS demands a team with proven expertise in complex infrastructure challenges and an intimate understanding of your operational requirements. **We are that team.**

Carollo brings unmatched pump station rehabilitation experience, having delivered planning, design, and construction services for more than 600 pump station projects nationwide, with capacities ranging from less than 1 mgd to 600 mgd. Our specialized expertise in aging electrical systems, mechanical equipment evaluations, and control system upgrades directly addresses the critical challenges facing your facilities. We understand that maintaining uninterrupted service during construction is paramount, and our proven construction sequencing methodologies minimize bypass pumping requirements while eliminating operational disruptions. Our deep understanding of IRWD's stringent operational requirements and commitment to long-term reliability, paired with our expertise in designing robust pump stations built for decades of dependable service, set us as the clear choice for this essential project. Strategic collaboration between Carollo, Geocon, and ATG creates a unified team that delivers exceptional project outcomes for IRWD through seamless communication, integrated expertise, and proven on-time, on-budget performance.

Key Personnel: Individual Strengths, Collective Results.

IRWD's goals require more than standard qualifications — they call for people who've delivered results on projects just like this. Each member of our team is here because they've faced, and overcome, the same complexities you're tackling now.



Marissa Petty, PE
PROJECT MANAGER | Albuquerque, NM

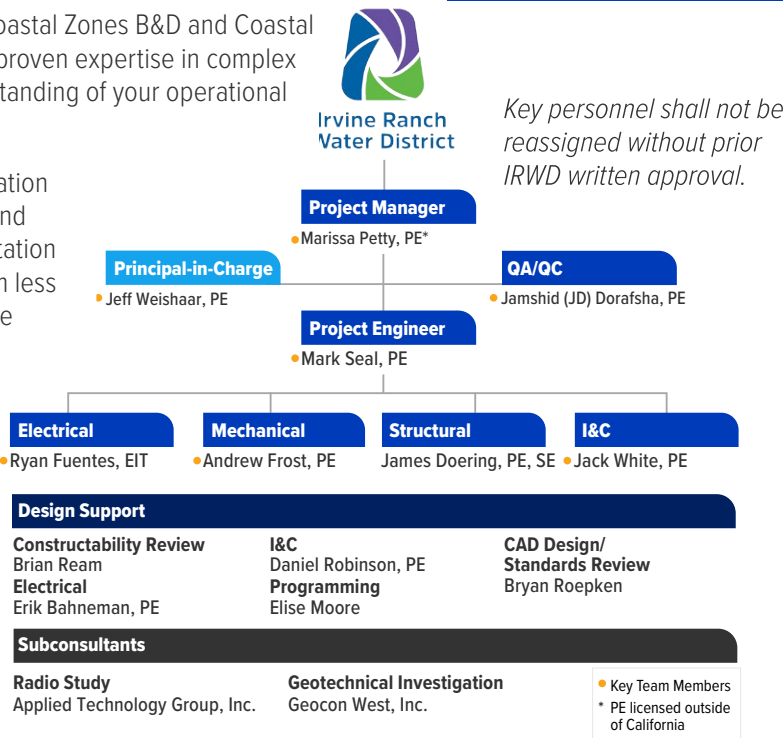
Brings 17 years of experience in electrical and instrumentation design for water and wastewater facilities. As project manager leading the Albuquerque Bernalillo County Water Utility Authority's multiple electrical projects and lead EI&C engineer for Oklahoma City's Hefner Low Lift Pump Station and Mesa's Transfer Booster Pump Station, Marissa specializes in utility coordination, equipment replacement, construction sequencing, and master planning—directly supporting complex facility upgrades and operational reliability.



Jeff Weishaar, PE
PRINCIPAL-IN-CHARGE | San Diego, CA

Brings 21 years of Southern California experience leading condition assessments, rehabilitation, and upgrades for pump stations and treatment facilities, including the Water Reclamation Plant Expansion for San Clemente. As project engineer for IRWD's Rattlesnake Reservoir Chlorine Gas System Replacement and project manager for San Diego's Alvarado Steel Piping Condition Assessment, Jeff delivers practical solutions that minimize disruptions and maximize system performance.

A schedule showing the percentage of time each member will contribute to the project is included in the appendix along with detailed resumes for all key personnel.



Jamshid (JD) Dorafsha, PE | QA/QC | Walnut Creek, CA

Brings 31 years of experience in water and wastewater electrical design and planning across the western U.S., including the City of Roseville's electrical distribution system upgrades. As project manager for City of Roseville's Dry Creek WWTP and Barton Road WTP switchgear and MCC replacement design-build projects, JD led stakeholder engagement, regulatory coordination, feasibility planning, and design requirements coordinating with the electrical prime contractor and the City.



Mark Seal, PE | PROJECT ENGINEER | San Diego, CA

Brings 12 years of experience spanning the design, construction, and commissioning of water and wastewater treatment facilities. Mark is highly skilled in all aspects of instrumentation and controls (I&C) for water and wastewater projects, with a proven track record delivering reliable and innovative solutions. He has provided I&C support for Sonoma Water's complex SCADA network design and led I&C efforts for the Albuquerque Bernalillo County Water Utility Authority's Primary Clarification Odor Control and Vacuum Station I&C Replacement projects. As project engineer, Mark brings hands-on expertise in PLC replacement, radio communications, system integration, automation, and process optimization to support successful project delivery.



Ryan Fuentes, EIT | ELECTRICAL | Walnut Creek, CA

Brings 2 years of experience spanning the preliminary stages of design through engineering services during construction. He specializes in electrical system design and implementation for water and wastewater facilities. Ryan has provided electrical support for multiple municipal projects, including designing the electrical system for a replacement pump station for the City of Grants Pass and assisting with electrical sequencing for the City of Reno's Truckee Meadows Water Reclamation Facility Filter Improvement project. His expertise includes power distribution design, control system integration, and construction phase electrical support.



Andrew Frost, PE | MECHANICAL | San Diego, CA

Brings 17 years of experience in civil engineering design and project management, specializing in water and wastewater infrastructure projects such as pump stations, large-scale septic-to-sewer conversions, and collection system rehabilitation. As the project manager for the Eastern Municipal Water District's Warm Springs Lift Station Replacement and the Elsinore Valley Municipal Water District's Sedco Hills & Avenues Septic to Sewer program, Andrew demonstrates a strong track record in delivering complex pump station and conveyance projects, with a focus on technical excellence, interdisciplinary coordination, stakeholder communication, and successful project delivery.



Jack White, PE | I&C | San Diego, CA

Brings 4 years of experience in water and wastewater infrastructure planning and design. Since joining Carollo in 2021, he has contributed to pump station projects with expertise in SCADA systems, PLC replacements, industrial automation, and electrical assessments. Jack develops P&IDs, control narratives, panel elevations, and schematics. He served as lead I&C engineer for Goleta Water District's Progressive Design-Build SCADA Upgrade and provided EI&C support for San Diego's North City Pure Water Facility and Pump Station Engineering Services During Construction.



A MINUTE WITH YOUR

Project Manager

Marissa Petty

Marissa has more than 17 years of experience with Carollo, has worked in multiple Carollo offices, and served as resident electrical engineer for several large construction projects. She has been managing electrical projects for more than a decade. Marissa has successfully led workshops with clients and stakeholders and conveyed client decisions to the electrical team. This diverse experience within Carollo has given her an opportunity to work with multiple clients and contractors directly in the field to identify and solve issues. The knowledge she has gained working with these clients will allow her to work with the District to review your existing system and suggest implementation strategies honed at other facilities.

Q: What are the two biggest challenges with this project and how will your team address them?

The biggest challenges are minimizing downtime and fitting equipment in the existing space. Downtime can be minimized by specifying a specific work sequence that will allow the job to be consistently bid and enforced during construction. Fitting the equipment into the existing space can be done through either equipment pre-selection or pre-procurement. This allows the District to make a value-based selection based on the equipment fit, features, and cost.

Q: What is your philosophy on communication and collaboration with the client, and how do you keep the IRWD team engaged?

I seek first to understand both the staff and the facility, then together we can design the best solution. From the kickoff meeting to the final meeting, I focus the team on asking specific questions and sharing ideas with the client's staff to understand their specific preferences. There are likely 10 different approaches to resolving the issue, but only one will be the right fit for how the client operates and maintains their system.

Q: In your experience, what are the most critical factors to consider when upgrading aging electrical and controls equipment in critical infrastructure to provide long-term reliability?

Timing - The District is already on the right track by planning the electrical equipment replacement with the PLC upgrades and evaluating the mechanical improvements before proceeding. Performing these upgrades separately can result in increased costs and missed opportunities to take advantage of new technology. Even when equipment is replaced in kind, the new equipment and technology have changed so that when the three systems are done separately, the other two systems will have to be modified to some extent to accommodate, increasing design effort and cost of modifying the other systems multiple times.

Redundancy - Overly complex or inconsistent redundancy can become a hazard for plant staff to operate and maintain. Depending on maintenance windows and ability to recover from a major failure, the right level of redundancy can be selected for the facility.

Related Project Experience

Carollo has the dedication and expertise to deliver top-quality electrical design and construction services to our clients.

We are Leaders in EI&C Services

Carollo is an industry leader in the planning, design, and implementation of electrical, instrumentation and communication (EI&C) and computerized SCADA/telemetry systems for water and wastewater agencies. As a water focused consulting firm, we know how facilities operate and understand how to integrate the design of new and modified electrical systems into pumping processes. Our clients range from small municipalities to some of the largest utilities in the country with pump stations that range in size from less than 1 mgd to more than 600 mgd. The electrical power, instrumentation, and control landscape is constantly evolving—today, automation and reliable power systems are critical to any utility's success, enabling simplified, reliable, and efficient operations and maintenance. Carollo's Electrical, Programming, Instrumentation, and Controls (EPIC®) team provides full-service electrical, programming, instrumentation and control (I&C), and operational services to our clients, allowing us to design effective solutions for operational resiliency, efficiency, safety, and sustainability. As an established leader in the water and wastewater industry, Carollo has developed solutions for clients across North America.



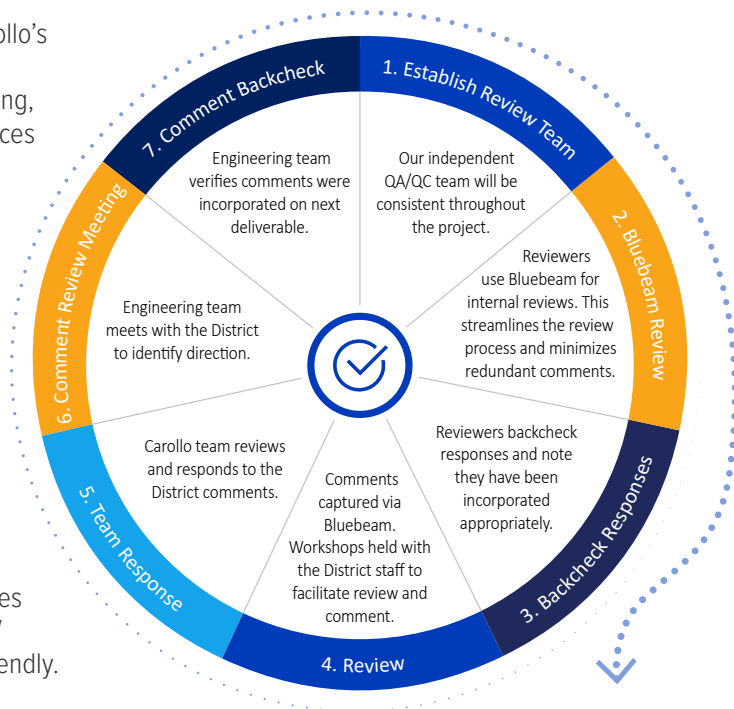
Dedicated Group of Specialists

Within our EPIC® group, we have system integrators, programmers, and network and

cybersecurity specialists. This hands-on experience gives us the unique ability to plan, design, and implement OT/SCADA systems that are functional, secure, and user-friendly.

Quality of Work

Our team is committed to quality. Our quality assurance/quality control (QA/QC) review process provides proven results and begins with a tailored project plan. This plan details procedures, standards, team roles, report checklists, review procedures, and a project deliverables schedule. Before submitting a deliverable to the District, we will conduct a QA/QC review using senior level engineers with expertise in the appropriate discipline area. These engineers will be separate from the design team, providing a third party set of fresh eyes. QC reviews will be completed on an ongoing basis during the design process, with documented formal reviews performed before each submittal milestone.



Our repeatable process will provide the District with quality work that you have come to expect from our teams.



**City of Roseville
Aquifer Storage and
Recovery Well and
Pump Station**
City of Roseville,
California

The combination of California’s drought and the City’s diminishing surface water supply prompted a design-assist project with an accelerated construction schedule to build and operate two aquifer storage and recovery (ASR) wells within 11 months. The project injects treated water from Folsom Lake into the groundwater aquifer, acting as a large reservoir to pull water from at a later date. Our CM and field inspectors worked closely with the design team and contractor to streamline construction of the project to meet the fast paced construction schedule in a volatile supply chain market. This first phase of Roseville’s ASR program used two existing wells (Westbrook and Solaire) that have been converted into ASR wells. Key components at each site included a CMU building housing mechanical systems, electrical and instrumentation equipment, and SCADA; chemical injection and wellhead treatment systems for iron and manganese removal; security features; a portable emergency power generator; and associated site improvements. During design, special attention was given to minimizing the impact on residential neighbors, including screening, sound walls, and acoustic louvers, as determined by a noise study performed as part of the project. Design is ongoing for four more wells, following the success of the first two in 2022.

REFERENCE
Janice Gainey, Senior Engineer
2005 Hilltop Circle, Suite 130
Roseville, CA 95747
P: 916-223-7860
E: jrgainey@roseville.ca.us

KEY PERSONNEL
Jamshid (JD) Dorafsha, QA/QC

PROJECT DATES
2022

FINANCIAL SIZE
\$31M (Construction)

QUALITY OF WORK
▪ Our standard quality of work procedures were employed on all deliverables.

ABILITY TO MEET SCHEDULE
▪ Carollo provided design assist and on-time/early deliverables were essential to meet the accelerated 11-month construction schedule.

CHALLENGES
▪ Accelerated schedule.
▪ Replacing existing equipment.
▪ Long-lead electrical equipment.



**Electrical
On-Call Services**
Albuquerque Bernalillo
County Water Utility
Authority (ABCWUA),
New Mexico

The project included the replacement of a critical 480V switchgear with a new switchgear providing automatic transfer to the plant's existing 2 MW generator. The contract documents included a detailed sequencing plan requiring the switchgear to be replaced half at a time. The existing half was used to provide temporary power while the first half of the new switchgear was installed. The switchgear was replaced in the same location allowing the contractor to re-use the existing conduit and wire. Outages to connect/disconnect cables were limited to 4 hours.

REFERENCE
Charles Lee, PE
Electrical Engineer
4201 2nd Street SW
Albuquerque, NM 87105
P: 505-280-8935
E: clee@abcwua.org

KEY PERSONNEL
Marissa Petty, Project Manager
Brian Ream, QA/QC
Bryan Roepken, CAD

PROJECT DATES
2020-2022

FINANCIAL SIZE
\$2.5M

QUALITY OF WORK
▪ Our standard quality of work procedures were employed on all deliverables.

ABILITY TO MEET SCHEDULE
▪ The project had been on hold for more than a year when the Owner requested changes to the original design and a quick turnaround on an updated final deliverable.

CHALLENGES
▪ Replacing existing equipment in place.
▪ Long-lead electrical equipment.
▪ Complex electrical sequencing limiting outages to 4 hours.



**Beardsley Road WRF,
Phase III Expansion**
City of Peoria, AZ

The Beardsley WRF Phase III Expansion included a condition assessment of the facility and the design of recommended rehabilitations and expansions to increase plant capacity to 6 mgd. The project was constructed as a design build and the design packages were coordinated with the construction schedule. The project included multiple electrical and PLC upgrades throughout the facility, detailed sequencing was coordinated with the contractor to keep a critical lift station online throughout the construction. The electrical equipment replacement included two new switchboards and a new MCC.

REFERENCE
Christopher Sterne
Engineering Supervisor
9875 North 85th Avenue
Peoria, AZ 85345
P: 623-773-7237
E: christopher.sterne@peoriaaz.gov

KEY PERSONNEL
Marissa Petty, Lead Electrical
Brian Ream, QA/QC
Bryan Roepken, CAD

PROJECT DATES
2022-2025

FINANCIAL SIZE
\$50M

QUALITY OF WORK
▪ Our standard quality of work procedures were employed on all deliverables.

ABILITY TO MEET SCHEDULE
▪ Pre-procurement and multiple design packages were provided to keep the Design-Build Contractor on schedule.

CHALLENGES
▪ Long-lead electrical equipment.
▪ Complex electrical sequencing limiting outages to 4 hours.



**Hefner WTP Low
Lift Pump Station
Improvements –
WT-0108**
City of
Oklahoma City, OK

As a critical component of the Oklahoma City water system, the Hefner WTP needed improvements to the intake structure and low lift pumping system. A condition assessment of the existing intake found it to be in satisfactory condition, but required minor structural, mechanical, and electrical repairs, as well as new tee screens, air bursting valves, and equipment to improve raw water quality entering the treatment process. The project included modifications to the existing pump station and the addition of a new low lift pump station with an ultimate build-out capacity of 200 mgd. Tight site conditions required coordination with plant staff, City planning staff, utilities, and private leaseholders. The project required detailed sequencing and coordination with the utility to upgrade the utility and keep the existing pump station online throughout the construction. The project included a new PLC, switchboard, and MCC.

REFERENCE
Larry Hare, PE
420 W. Main, Suite 500
Oklahoma City, OK 73102
P: 405-297-3681
E: larry.hare@okc.gov

KEY PERSONNEL
Marissa Petty, Lead Electrical
Brian Ream, QA/QC
Bryan Roepken, CAD

PROJECT DATES
2017-2019

FINANCIAL SIZE
\$21.9M

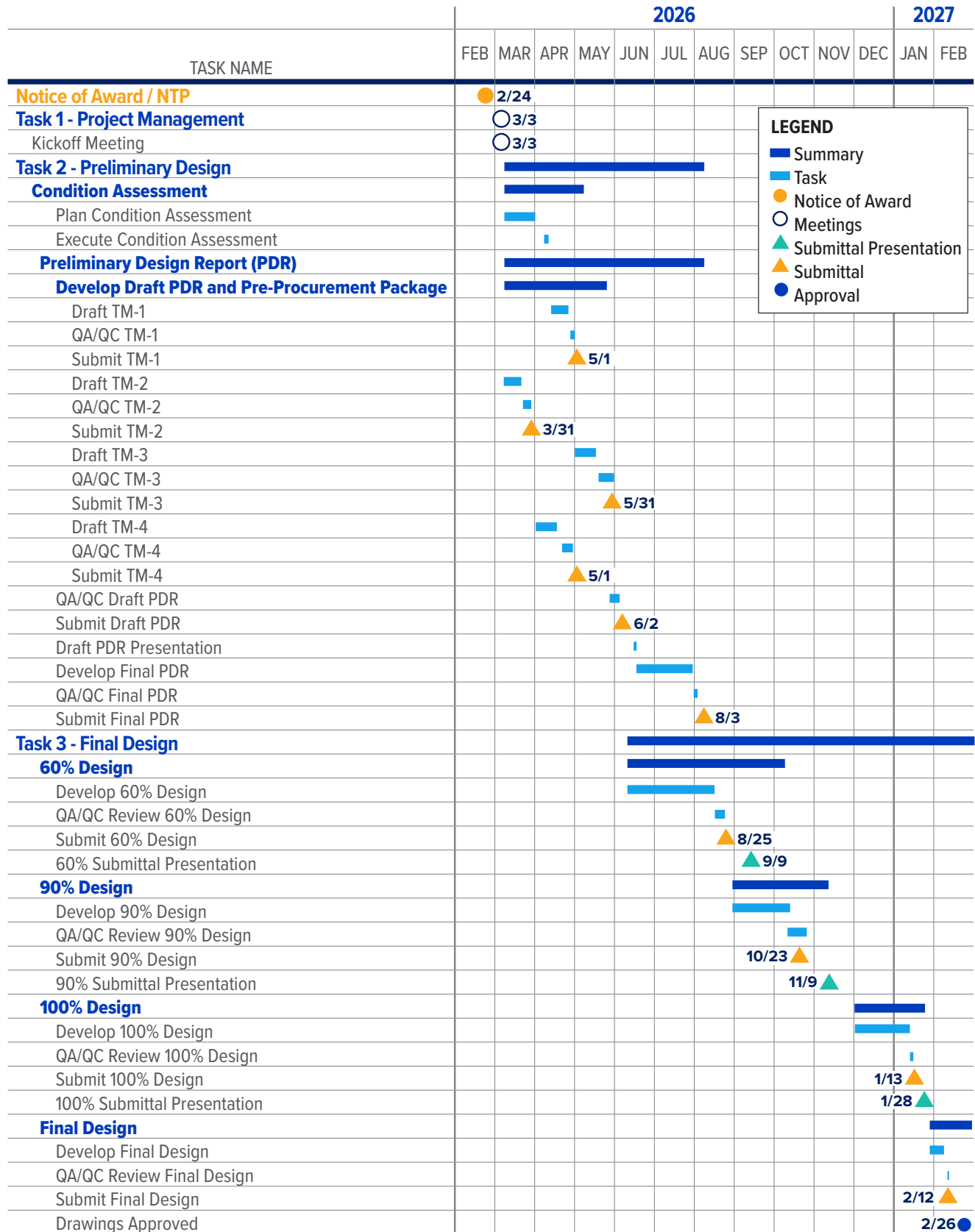
QUALITY OF WORK
▪ Our standard quality of work procedures were employed on all deliverables.

ABILITY TO MEET SCHEDULE
▪ Weekly PM updates, progress reports, monthly meetings, and action decision logs were used to keep the design on schedule and budget.

CHALLENGES
▪ Long-lead electrical equipment.
▪ Complex electrical sequencing limiting outages to 8 hours.

Schedule

Carollo demonstrates the ability to complete all work, given our current and planned workload, based on the proposed schedule.



Contractual Matters

The information below includes administrative and contractual matters as requested in the RFP.

6 – Level of Effort and Estimate Fee

The budget proposal, including fee schedules and breakdown of fee by task, is provided in a sealed envelope, separate from the project proposal, along with the Level of Effort provided in the appendix.

8 – Joint Venture

Carollo is not participating in a joint venture for this project.

9 – Conflict of Interest

Carollo, individuals employed by Carollo, or firms employed by or associated with Carollo, including subconsultants, do not have a conflict of interest for this project. Carollo, at all times, conducts its professional and business activities in a manner to prohibit conflict of interest on the part of the firm, and its employees. We foresee no circumstances in which an actual conflict of interest could arise.

10 – Contract

Carollo takes no exceptions to IRWD's Professional Services Agreement.

11 – Insurance

Carollo maintains insurance to protect both our client and our firm, against the types of claims that may be alleged to result from our services on this project. We have provided proof of our liability coverage in the appendix.

12 – Public Work Requirement

The following firms will provide work on this contract. Each firm's Department of Industrial Relations (DIR) number is below.

Firm Name	Role	DIR#
Carollo Engineers, Inc.	Prime	1000007174
Geocon West, Inc.	Subconsultant	10000011418
Applied Technology Group, Inc.	Subconsultant	1000014205

Drawing List

SHEET NO	DWG NO	TITLE
General		
0	G-01	TITLE SHEET, VICINITY MAP, LOCATION MAP
2	G-02	DRAWING INDEX
3	G-03	GENERAL NOTES AND LEGEND
4	G-04	GENERAL ABBREVIATIONS
5	G-05	PIPE SCHEDULES
Civil		
6	C-01	DEMOLITION PLAN
7	C-02	SITE PLAN
8	C-03	PAVING PLAN
Structural		
9	S-01	GENERAL NOTES
10	S-02	PLAN
11	S-03	SECTIONS
12	S-04	COMMUNICATION TOWER FOUNDATION PLAN AND SECTION
13	S-05	PUMP PAD PLAN AND SECTION
Mechanical		
14	M-01	LEGEND AND SYMBOLS
15	M-02	DEMOLITION PLAN
16	M-03	COASTAL ZONES B&D PUMP STATION PLAN
17	M-04	COASTAL ZONES OC-63 TO ZONE 4 PUMP STATION PLAN
18	M-05	COASTAL ZONES B&D PUMP STATION SECTION
19	M-06	COASTAL ZONES OC-63 TO ZONE 4 PUMP STATION SECTION

SHEET NO	DWG NO	TITLE
Electrical		
20	E-01	GENERAL ELECTRICAL - LEGEND AND SYMBOLS
21	E-02	GENERAL ELECTRICAL - ABBREVIATIONS
22	E-03	GENERAL ELECTRICAL - SEQUENCING
23	E-04	ELECTRICAL TYPICAL DETAILS - GROUNDING - EG
24	E-05	ELECTRICAL TYPICAL DETAILS - GROUNDING - EG
25	E-06	ELECTRICAL TYPICAL DETAILS - MOUNTING - EM
26	E-07	ELECTRICAL TYPICAL DETAILS - MOUNTING - EM
27	E-08	ELECTRICAL TYPICAL DETAILS - MOUNTING - EM
28	E-09	SITE ELECTRICAL - OVERALL SITE PLAN
29	E-10	SITE ELECTRICAL - SURGE TANK AREA
30	E-11	SITE ELECTRICAL - DUCT BANK SECTIONS
31	E-12	OVERALL ONE-LINE DIAGRAM - OVERALL ONE-LINE DIAGRAM
32	E-13	SWBD-D - ELEVATION
33	E-14	SWBD-D - ONE-LINE DIAGRAM
34	E-15	SWBD-R - ELEVATION
35	E-16	SWBD-R - ONE-LINE DIAGRAM
36	E-17	MCC-D - ELEVATION
37	E-18	MCC-D - ONE-LINE DIAGRAM - 1
38	E-19	MCC-R - ELEVATION
39	E-20	MCC-R - ONE-LINE DIAGRAM - 1

SHEET NO	DWG NO	TITLE
Electrical		
40	E-21	ELECTRICAL SCHEDULES - PANELBOARD AND DISCONNECT SCHEDULES
41	E-22	ELECTRICAL SCHEDULES - MANHOLE/HANDHOLE
42	E-23	COASTAL ZONES B&D - POWER AND CONTROL DEMO
43	E-24	COASTAL ZONE OC-63 - POWER AND CONTROL DEMO
44	E-25	COASTAL ZONE OC-63 - POWER AND CONTROL
45	E-26	COASTAL ZONE OC-63 - POWER AND CONTROL
46	E-27	COASTAL ZONES B&D - POWER AND CONTROL
47	E-28	COASTAL ZONES B&D - POWER AND CONTROL
48	E-29	COASTAL ZONES B&D - GROUNDING
49	E-30	COASTAL ZONE OC-63 - GROUNDING
Instrumentation		
50	N-01	INSTRUMENTATION - SYMBOLS AND ABBREVIATIONS - 1
51	N-02	INSTRUMENTATION - SYMBOLS AND ABBREVIATIONS - 2
52	N-03	INSTRUMENTATION - SYMBOLS AND ABBREVIATIONS - 3
53	N-04	INSTRUMENTATION - SYMBOLS AND ABBREVIATIONS - 4
54	N-05	INSTRUMENTATION - SCHEMATIC SYMBOLS
55	N-06	INSTRUMENTATION - SAMPLE LOOP DRAWING
56	N-07	INSTRUMENTATION - EQUIPMENT TAGGING SYSTEM - 1
57	N-08	INSTRUMENTATION - EQUIPMENT TAGGING SYSTEM - 2

SHEET NO	DWG NO	TITLE
Instrumentation		
58	N-09	INSTRUMENTATION - EQUIPMENT TAGGING SYSTEM - 3
59	N-10	INSTRUMENTATION - DIGITAL NETWORK TABLE - COASTAL ZONES B&D 1
60	N-11	INSTRUMENTATION - DIGITAL NETWORK TABLE - COASTAL ZONES B&D 2
61	N-12	INSTRUMENTATION - DIGITAL NETWORK TABLE - COASTAL ZONES B&D 3
62	N-13	INSTRUMENTATION - DIGITAL NETWORK TABLE - COASTAL ZONE OC-63 1
63	N-14	INSTRUMENTATION - DIGITAL NETWORK TABLE - COASTAL ZONE OC-63 2
64	N-15	INSTRUMENTATION - DIGITAL NETWORK TABLE - COASTAL ZONE OC-63 3
65	N-16	INSTRUMENTATION - TYPICAL DETAILS - 1 ELEC COMPONENTS AND CONDUIT SCHEDULE
66	N-17	INSTRUMENTATION - TYPICAL DETAILS - 2 BOM
67	N-18	TYPICAL PCM PANEL - PLC AND INSTRUMENT POWER
68	N-19	PCM PANEL - ELEVATION INTERNAL - 1
69	N-20	PCM PANEL - ELEVATION EXTERNAL - 1
70	N-21	PCM PANEL - ELEVATION INTERNAL - 2
71	N-22	PCM PANEL - ELEVATION EXTERNAL - 2
72	N-23	PCS SITE PLAN -
73	N-24	SYSTEM ARCHITECTURE DIAGRAM -
74	N-25	OVERALL NETWORK TOPOLOGY DIAGRAM -

SHEET NO	DWG NO	TITLE
Instrumentation		
75	N-26	FIBER DISTRIBUTION -
76	N-27	FIELD NETWORK - 1 -
77	N-28	FIELD NETWORK - 2 -
78	N-29	FIBER PINOUT DRAWINGS - 1 -
79	N-30	CONTROL SCHEMATICS - 1 -
80	N-31	CONTROL SCHEMATICS - 2 -
81	N-32	PROCESS AND INSTRUMENTATION - COASTAL ZONES B&D INFLUENT PIPING
82	N-33	PROCESS & INSTRUMENTATION - COASTAL ZONES B&D PUMPS 1
83	N-34	PROCESS AND INSTRUMENTATION - COASTAL ZONES B&D PUMPS 2
84	N-35	PROCESS & INSTRUMENTATION - COASTAL ZONES B&D SURGE TANKS
85	N-36	PROCESS & INSTRUMENTATION - COASTAL ZONES B&D EFFLUENT PIPING
86	N-37	PROCESS & INSTRUMENTATION - COASTAL ZONE OC-63 INFLUENT PIPING
87	N-38	PROCESS & INSTRUMENTATION - COASTAL ZONE OC-63 PUMPS 1
88	N-39	PROCESS & INSTRUMENTATION - COASTAL ZONE OC-63 PUMPS 2
89	N-40	PROCESS & INSTRUMENTATION - COASTAL ZONE OC-63 SURGE TANKS
90	N-41	PROCESS & INSTRUMENTATION - COASTAL ZONE OC-63 EFFLUENT PIPING
91	N-42	PROCESS & INSTRUMENTATION - MISC P&ID 1
92	N-43	PROCESS & INSTRUMENTATION - MISC P&ID 2

SHEET NO	DWG NO	TITLE
Typical Details		
93	TC-01	CIVIL TYPICAL DETAILS - 1
94	TE-01	ELECTRICAL TYPICAL DETAILS - 1
95	TE-02	ELECTRICAL TYPICAL DETAILS - 2
96	TM-01	MECHANICAL TYPICAL DETAILS - 1
97	TN-01	INSTRUMENTATION TYPICAL DETAILS - 1
98	TN-02	INSTRUMENTATION TYPICAL DETAILS - 2
99	TS-01	STRUCTURAL TYPICAL DETAILS - 1

DIVISION	NAME
1045	Existing Facilities
2220	Structure Earthwork
2223	Trenching, Backfilling, and Compacting
2578	Pavement Removal and Replacement
3201	Concrete Reinforcement
3260	Concrete Joints and Waterstops
3300	Concrete
3345	Concrete Finishing, Curing, and Waterproofing
5120	Structural Steel and Miscellaneous Metalwork
9900	Painting and Coating
15056	Ductile-Iron Pipe and Fittings
16050	Common Work Results for Electrical
16060	Grounding and Bonding
16070	Hangers and Supports
16075	Identification for Electrical Systems
16123	600-Volt or Less Wires and Cables
16130	Conduits
16133	Duct Banks

DIVISION	NAME
16134	Boxes
16150	Low Voltage Wire Connections
16210	Utility Coordination
16268	Uninterruptible Power Supplies 10 - 30 KVA
16272	Dry-Type Transformers
16285	Surge Protective Devices
16290	Electrical Power Monitoring
16305	Electrical System Studies
16411	Disconnect Switches
16412	Low Voltage Molded Case Circuit Breakers
16414	Low Voltage Power Circuit Breakers
16422	Motor Starters
16435	Low Voltage Arc Resistant Switchgear
16441	Group-Mounted Circuit Breaker Switchboards
16442	Individually-Mounted Circuit Breaker Switchboards
16444	Low Voltage Motor Control Centers
16445	Panelboards
16491	Transfer Switches
16950	Field Electrical Acceptance Tests
16990	Conduit Schedule
17050	Common Work Results for Process Control and Instrumentation Systems
17055	Packaged Control System
17100	Control Strategies
17101	Specific Control Strategies
17201	Level Measurement: Switches
17206	Level Measurement: Ultrasonic
17208	Level Measurement: Radar Pulse Time of Flight (PTOF)
17301	Flow Measurement: Switches
17302	Flow Measurement: Magnetic Flowmeters
17308	Flow Measurement: Propeller
17316	Flow Measurement: Rotameters (Variable Area Flowmeters)

DIVISION	NAME
17401	Pressure/Vacuum Measurement: Diaphragm and Annular Seals
17402	Pressure/Vacuum Measurement: Instrument Valves
17403	Pressure/Vacuum Measurement: Switches
17404	Pressure/Vacuum Measurement: Gauges
17405	Pressure/Vacuum Measurement: Direct
17501	Analyzers: pH
17502	Analyzers: ORP
17504	Analyzers: Gas Monitors
17505	Analyzers: Residual Chlorine
17710	Control Systems: Panels, Enclosures, and Panel Components
17712	Control Systems: Uninterruptible Power Supplies 10 kVA and Below
17713	Control Systems: Computer Consoles
17720	Control Systems: Programmable Logic Controllers
17721	Control Systems: Local Operator Interface (LOI)
17730	Control Systems: PCS Computer Equipment
17733	Control Systems: Network Materials and Equipment
17735	Control Systems: Fieldbus Equipment and Devices
17740	Control Systems: Process Cameras
17750	Control Systems: Wireless Communications
17762	Control Systems: PCS Software
17764	Control Systems: Maintenance Software
17901	Schedules: Field Instruments
17902	Schedules: Control Panels
17903	Schedules: I/O List
17904	Schedules: Local Operator Interface
17905	Schedules: HMI List
17950	Testing, Calibration, and Commissioning
221123	Domestic Water Pumps

Team's Availability

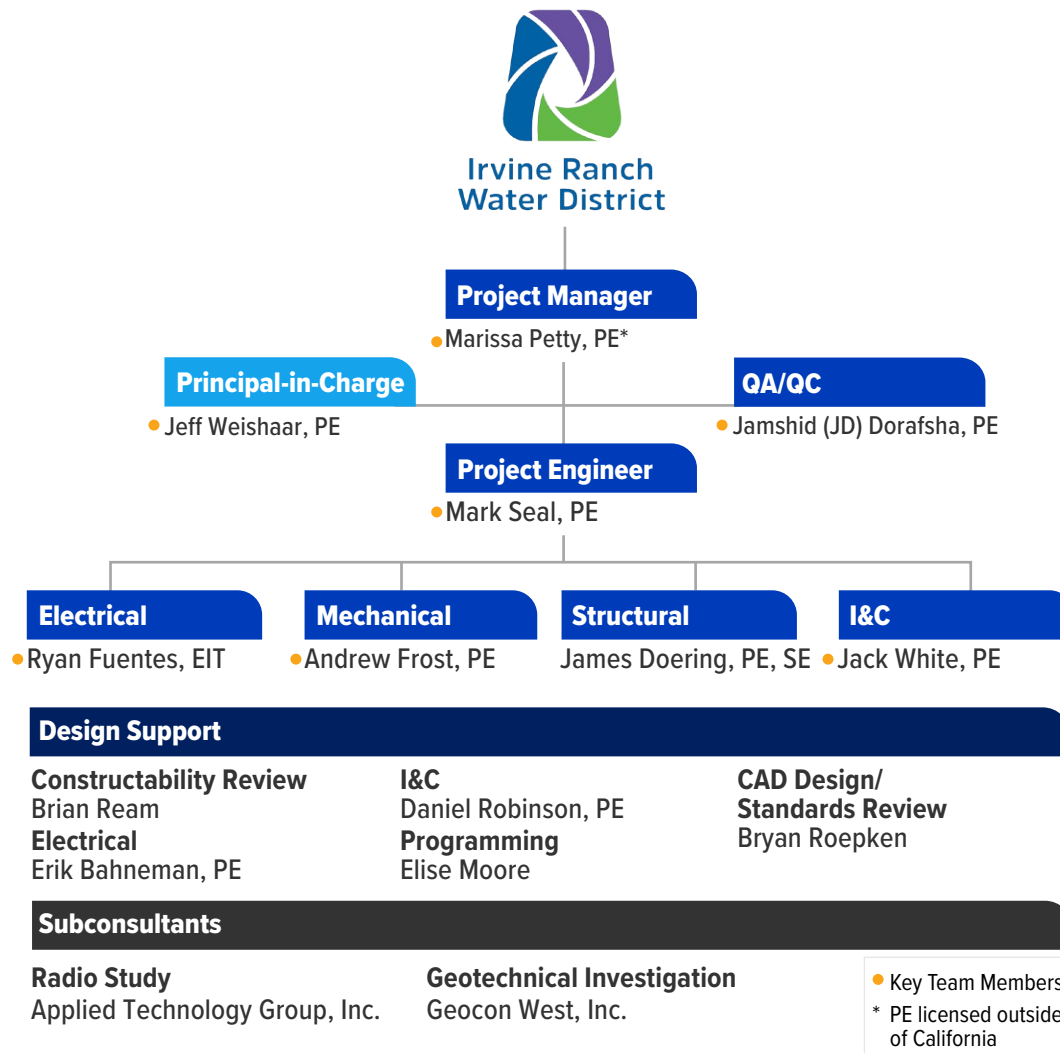
Our project team is available and dedicated to performing their designated tasks for the full duration of this project.

Carollo will not replace key team members without prior approval from the District to avoid affecting the project.

Individual commitment will be consistent with job requirements provided by the District to provide high-quality services. From a project management standpoint, we affirm that each individual has adequate availability to meet the project requirements for your assignments, as indicated in the table on the right.

TEAM'S AVAILABILITY TABLE

Name	Percentage Availability
Marissa Petty	25%
Jeff Weishaar	5%
Jamshid (JD) Dorafsha	5%
Mark Seal	25%
Ryan Fuentes	40%
Andrew Frost	10%
Jack White	40%



Fee

Pump Station Rehabilitation Irvine Ranch Water District Fee Estimate			Labor													Subtotal		Subconsultant and Expenses			Total Fee \$	
Task	Sub Task	Description	Principal-in-Charge	Project Manager	Senior Engineer QA/QC	Lead Engineer	Electrical Engineer	I&C Engineer	Mechanical Engineer	Staff Engineer	Senior CAD Technician	CAD Technician	Document Processing	Structural Engineer	Structural CAD	Total Labor Hours	Total Labor Fee	Subconsultants	ODCs	Travel		
		Hourly Rate	\$360	\$352	\$347	\$285	\$265	\$250	\$255	\$225	\$288	\$249	\$180	\$310	\$288				5%			
100	0	Project Management	20	120	16	60	0	28	0	0	0	0	60	0	0	304	\$89,892			\$2,000	\$91,892	
	1	Project Status Reports		30									12			42	\$12,720				\$12,720	
	2	Meetings and Workshops	20	80		60		28					36			224	\$65,940			\$2,000	\$67,940	
	3	Quality Assurance / Quality Control Plan / Documentation		10	16								12			38	\$11,232				\$11,232	
200	0	Preliminary Design	10	28	50	112	101	116	78	248	134	256	78	24	36	1,271	\$328,365	\$26,535	\$1,327	\$26,500	\$500	\$383,227
	1	Background Information			2	8				16						26	\$6,574				\$6,574	
	2	Coordination with Outside Agencies	2			16				12						30	\$7,980		\$20,000		\$27,980	
	3	Condition Assessment and TM-1		8		8			16	20			40			92	\$20,876			\$500	\$21,376	
	4	Electrical and Controls	2		20	32	34	44		40						172	\$45,790				\$45,790	
	5	Communications		2	2	4			16					24	20	68	\$19,818	\$26,535	\$1,327		\$47,680	
	6	Construction Schedule		4		4				8						16	\$4,348				\$4,348	
	7	Opinion of Probable Construction Cost	2	2	2	8	8	8	6	20			2			58	\$14,908				\$14,908	
	8	Preliminary Design Report	4	12	8	16	25	30	40	60	130	250	30		16	621	\$160,523		\$1,500		\$162,023	
	9	Pre-Procurement Package			4	4	4	4		12						28	\$7,288				\$7,288	
	10	TM-2 Draft and Final			4	4	8	8		12	2	2	2			42	\$10,782				\$10,782	
	11	TM-3 Draft and Final			4	4	8	8		12	2	2	2			42	\$10,782		\$2,500		\$13,282	
	12	TM-4 Draft and Final			4	4	14	14		36		2	2			76	\$18,696		\$2,500		\$21,196	
300	0	Final Design	63	46	75	262	66	94	104	345	200	400	90	0	32	1,777	\$467,318			\$2,500		\$469,818
	1	Project Manual		2	10	20			40	75			80			227	\$51,349		\$2,500		\$53,849	
	2	Instrumentation and Control Strategies	60		15	120		40		120						355	\$98,005				\$98,005	
	3	SCE Final Service Plan	2	2		8	12									24	\$6,884				\$6,884	
	4	Opinion of Probable Construction Cost	1	2		4	4	4	4	20			2			41	\$10,144				\$10,144	
	5	Final Design Deliverables (60%, 90%, 100%, Final)		40	50	110	50	50	60	130	200	400	8		32	1,130	\$300,936				\$300,936	
400	0	Bid Support	0	16	0	20	16	16	4	2	18	22	18	0	0	132	\$34,944				\$500	\$35,444
	1	Pre-Bid Meeting		4		4				2			2			12	\$3,358			\$500	\$3,858	
	2	Construction Drawing Revisions		4		8	4	4	4		10	10				44	\$12,138				\$12,138	
	3	Technical Specification Revisions		4		2	8	8					8			30	\$7,538				\$7,538	
	4	Bidder Questions		2		2	4	4								12	\$3,334				\$3,334	
	5	Conformed Drawings and Project Manual		2		4					8	12	8			34	\$8,576				\$8,576	
Total Hours			93	210	141	454	183	254	186	595	352	678	246	24	68	3,484						
Total Price			\$33,480	\$73,920	\$48,927	\$129,390	\$48,495	\$63,500	\$47,430	\$133,875	\$101,376	\$168,822	\$44,280	\$7,440	\$19,584		\$920,519	\$26,535	\$1,327	\$29,000	\$3,000	\$980,381

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AGENDA ITEM 16.A

The following are the claims referenced on the agenda and related to the Closed Session Conference with Legal Counsel on Anticipated Litigation.



IRVINE RANCH WATER DISTRICT CLAIM FORM

INSTRUCTIONS: Please complete this form and submit with attachments to Irvine Ranch Water District, Risk Manager, 15600 Sand Canyon Avenue, Irvine, CA 92618.

Name of Claimant: Lakeshore Landlessee PT, LLC Phone: 949.955.5253 work email: jbrand@sentre.com

Address of Claimant: 18101 Von Karman Ave., Suite 1220 Irvine CA 92612

1. Date and time of incident: February 21, 2024 at approximately 7:45 am.
2. Location of incident: On the Lakeshore property between the Il Fornaio restaurant (18051 Von Karman Avenue, Irvine, CA) and the 18-Story Office Building (18101 Von Karman Avenue, Irvine, CA).
3. How did this incident occur? (Give complete information) an IRWD valve failed.

4. Describe the damage that resulted from the incident: The flood caused by the waterline break brought water, mud, and debris into our underground tunnel system damaging the drywall, doors, walkway system, etc.. Additionally, the water, mud, and debris contaminated the adjacent onsite lake and further spread into the multi-use campus damaging the surrounding landscape, pedestrian walkways, and artificial turf.

5. Give the name(s) of the public employee(s) causing the injury, damage, or loss, if known: Not applicable

6. What is the approximate amount of damage sustained? See attached tracking sheet of invoices paid to date as well as projected expenses (estimate).

(Please give the amount claimed as of the date of presentation of the claim, including the estimated amount of any injury, damage or loss, insofar as it may be known at the time of presentation of this claim, together with the basis of computation of the amount claimed, with invoices or estimates, if appropriate.)

7. Were the police at the scene? ☐ Yes ☒ No

8. Was a report filed? ☐ Yes ☒ No (If yes, please attach a copy of the police report if available.)

9. Please attach all receipts, invoices or estimates and photographs related to this incident.

I hereby certify under penalty of perjury that the facts hereinabove set forth are true and correct to the best of my knowledge.

Signature of Claimant or Representative of Claimant: [Signature]

Date: 2/15/2024

ADVISORY

Section 72 of the Penal Code provides that "every person who, with intent to defraud, presents for allowance or for payment to any state board or officer, or to any county, city, or district board or officer, authorized to allow or pay the same if genuine, any false or fraudulent claim, bill, account, voucher, or writing, is punishable either by imprisonment, by a fine, or both".