

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

February 24, 2025

CALL TO ORDER 5:00 p.m.

PLEDGE OF ALLEGIANCE

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

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=mdf87c047fc4c39e59773d21f3c94b4d6>

Meeting Number (Access Code): 2488 589 3785

Meeting Password: NRmQaTMK328

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 on any item, you may attend the meeting in person and submit a "speaker slip" to the Secretary. Forms are provided outside of IRWD's Board Room. If attending via Webex, please submit your request to speak, or your comment, via the "chat" feature and your remarks will be read into the record at the meeting. You may also submit a public comment in advance of the meeting by emailing comments@irwd.com before 12:00 p.m. on Monday, February 24, 2025.

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).

PRESENTATION

4. NATIONAL WATER RESEARCH INSTITUTE YEARLY REPORT TO IRWD

Recommendation: Receive and file.

WORKSHOP

5. GROUNDWATER WORKPLAN UPDATE

Recommendation: Receive and file.

CONSENT CALENDAR, Items 6 through 10

6. BOARD MEETING MINUTES

Recommendation: That the minutes of the January 27, 2025 Regular Board meeting be approved as presented.

7. JANUARY 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 January 2025 Summary of Payroll ACH payments in the total amount of \$2,656,596, and approve the January 2025 accounts payable disbursement summary of warrants 447024 through 447619, Workers' Compensation distributions, ACH payments, virtual card payments, wire transfers, payroll withholding distributions, and voided checks in the net total amount of \$40,381,131.

8. 2025 LEGISLATIVE AND REGULATORY UPDATE

Recommendation: That the Board adopt "support" positions on AB 259 (Rubio) and SB 72 (Caballero), and an "oppose" position on AB 269 (Bennett).

9. WATER SUPPLY ASSESSMENT AND WATER SUPPLY VERIFICATION FOR THE VISTA POINT 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 Vista Point Project.

CONSENT CALENDAR (continued)

<p>10. <u>RESOLUTION ADOPTING RATES, APPEAL, AND EXHAUSTION</u></p> <p>Recommendation: That the Board adopt the resolution establishing a procedure for ratepayer objections to proposed water and sewer fees and charges.</p>	<p>Reso 2025-1</p>
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ACTION CALENDAR

<p>11. <u>WATER EFFICIENCY TACTICAL INCENTIVE BUDGET INCREASE</u></p> <p>Recommendation: That the Board authorize an increase to the FY 2024-25 Operating Budget for tactical incentives in the amount of \$496,000 from over-allocation revenues and authorize the General Manager to allocate the funding to the FY 2024-25 rebate programs administered through the Water Conservation Participation Agreement Between MWDOC and IRWD; and to execute addenda to the agreement as may be necessary to allocate funds to specific programs and modify device incentive levels based on customer participation rates and regional program funding levels.</p>	
<p>12. <u>PROPOSED 2025 DEBT ISSUANCE</u></p> <p>Recommendation: That the Board authorize staff to cause the issuance of fixed and/or variable rate General Obligation Bonds if market conditions will generate savings and provide sufficient value to refund the 2010 Build America Bonds; cause the Letters of Credit extension for the 2008A and 2009B; Letters of Credit substitution for the 2009A; and defeasance of the Series 1993 bonds; and to retain underwriters, bond counsel, and disclosure counsel as needed for the issuance and Letters of Credit; and adopt a resolution authorizing certain actions in connection with redemption of the bonds of IRWD Consolidated Series 1993.</p>	<p>Reso 2025-2</p>
<p>13. <u>OPERATIONS CENTER WAREHOUSE AND WATER QUALITY STORAGE BUILDING CONSULTANT VARIANCE AND CONSTRUCTION AWARD</u></p> <p>Recommendation: That the Board authorize a budget increase for Project 11854 in the amount of \$3,625,000, from \$797,000 to \$4,422,000, and for Project 11855 in the amount of \$3,588,000, from \$797,000 to \$4,385,000; authorize the General Manager to execute Variance No. 5 in the amount of \$625,942 with Stantec Architecture, Inc.; and authorize the General Manager to execute a construction contract with KPRS Construction Services, Inc., in the amount of \$5,761,704 for the Operations Center Warehouse and Water Quality Storage Building, Projects 11854 and 11855.</p>	

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.


14. General Manager's Report
15. Receive oral update(s) from District liaison(s) regarding communities within IRWD's service area and interests.
16. Directors' Comments and Meeting Reports
17. Adjournment

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

February 24, 2025

Prepared by: E. Akiyoshi / M. Robinson

Submitted by: K. Burton

Approved by: Paul A. Cook 

BOARD WORKSHOP

GROUNDWATER WORKPLAN UPDATE

SUMMARY:

Staff updated the IRWD Groundwater Workplan, which identifies future groundwater production requirements and recommendations for the next five years. The analysis confirms that existing groundwater supplies meet the needs for existing demands, known future development, and estimated Regional Housing Needs Assessment (RHNA) allocations. No new groundwater projects are recommended in the five-year horizon. Additionally, increased access to Irvine Lake and Howiler Water Treatment Plant offset the need for imported potable water. Staff will present the analysis and findings.

BACKGROUND:

The most recent Groundwater Workplan was updated in November 2021 and introduced the OPA Well expansion project, pumping groundwater to 100% of the production limitation, and that the recycled water penalty continues. In this Groundwater Workplan Update, staff incorporated the increased impacts of more stringent water use efficiency programs on potable water consumption and updated potable demand projections. This approach lowered buildout demands and reduced the need for future groundwater supplies. Following the demand update, a sensitivity analysis was conducted to account for additional potable demands from the RHNA allocations and potential dry years. Lastly, the analysis considers the beneficial impact of expanded capacity at Irvine Lake and the Howiler Water Treatment Plant, which will offset imported potable water needs by approximately 1,000 acre-feet per year (AFY).

This five-year approach evaluates near-term groundwater opportunities and optimizes capital expenditures. With the expanded production capacity at OPA Well 1 from 900 to 3,200 AFY, projected groundwater production needs are satisfied, eliminating the near-term need for groundwater wells.

Based on this information included in this update, staff recommends not initiating the design of any future groundwater supply projects (e.g. Well 51/52 Blending). Staff will continue to monitor and regularly update the Groundwater Workplan to ensure it aligns with IRWD's evolving needs. Staff will present the details of the analysis at the Board meeting.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on February 18, 2025.

RECOMMENDATION:

RECEIVE AND FILE.

LIST OF EXHIBITS:

Exhibit “A” – Groundwater Workplan Update Presentation

2025 GROUNDWATER WORKPLAN UPDATE AND INCREASED IRVINE LAKE CAPACITY

Board Workshop
February 24, 2025



DRAFT

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WORKSHOP GOALS

1. Make 5-year recommendations for future groundwater supply projects
2. Show positive impacts of increased Irvine Lake capacity and Howiler Water Treatment Plant (Howiler WTP)



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WORKSHOP OVERVIEW

1. Changed conditions since the 2021 Groundwater Workplan Update
2. Groundwater supply concepts
3. Historical water use
4. Considerations for future water needs
5. Future groundwater scenarios
6. Conclusions and recommendations



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CHANGED CONDITIONS AND WATER SUPPLY CONSIDERATIONS

BPP Cap of 70% Removed: Current BPP = 85%

Regional Housing Needs Assessment (RHNA)

Recycled Water Penalty is Permanent

Irvine Lake Capacity / Howiler WTP / Interconnect

OPA Well Capacity Increased from 900 to 3,200 AFY

Surcharge on Pumping > 100% Production Limitation

Water Use Efficiency



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GROUNDWATER SUPPLY CONCEPTS



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GROUNDWATER CONCEPTS REVIEW

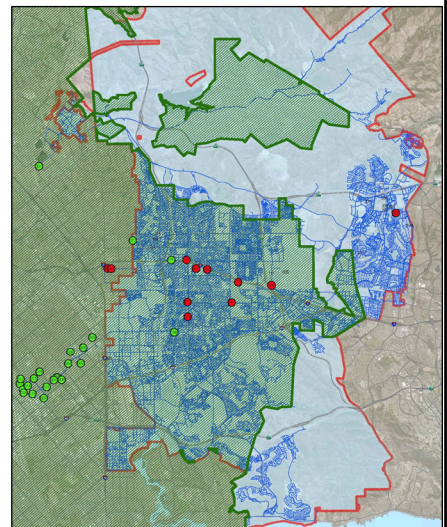
BPP = the percent of total water usage an agency can pump from the GW basin without incurring extra fees.

BPP Basic Calculation

$$\begin{array}{|c|} \hline \text{Total water} \\ \text{use inside} \\ \text{OCWD} \\ \hline \end{array} \times \begin{array}{|c|} \hline \text{BPP} \\ \hline \end{array} = \begin{array}{|c|} \hline \text{Groundwater} \\ \text{Production} \\ \text{Limit w/o} \\ \text{extra fees} \\ \hline \end{array}$$

If Agency Produces Title 22 Recycled Water

$$\begin{array}{|c|} \hline \text{Adjusted Water Use =} \\ \text{(Total Water Use – Title 22 Recycled} \\ \text{Water Use)} \\ \hline \end{array} \times \begin{array}{|c|} \hline \text{BPP} \\ \hline \end{array} = \begin{array}{|c|} \hline \text{Groundwater} \\ \text{Production} \\ \text{Limit w/o} \\ \text{extra fees} \\ \hline \end{array}$$



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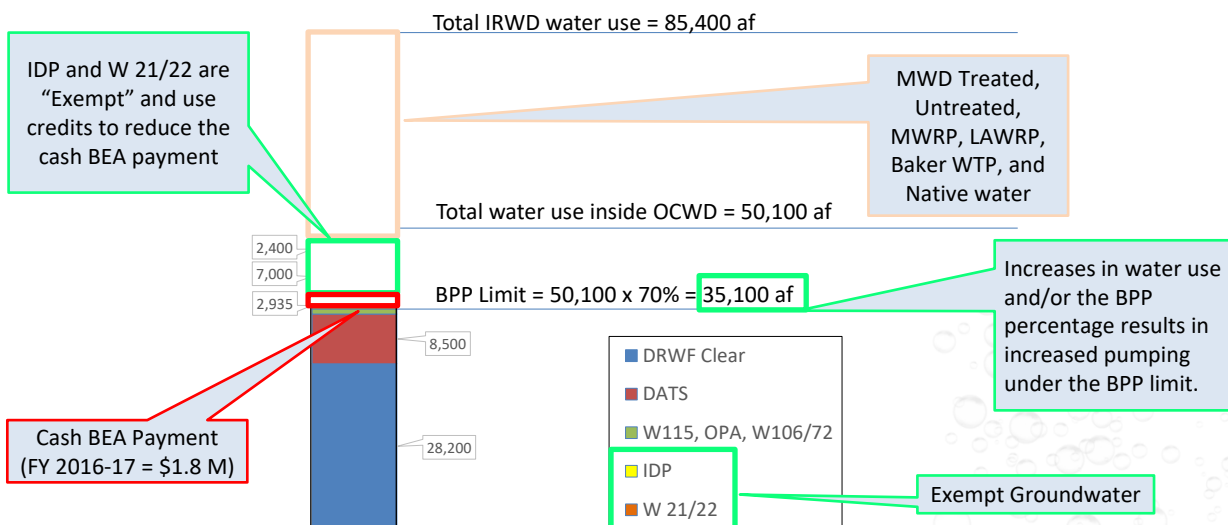
BASIN EQUITY ASSESSMENT CALCULATION

- The Basin Equity Assessment (BEA) is meant to bring the cost of groundwater up to the cost of imported treated MWD water.
- If an agency pumps above the BPP, they pay the BEA:
FY 2024-25 ≈ \$432/AF



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GROUNDWATER PRODUCTION EXAMPLE



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EXEMPT AND NON-EXEMPT WELLS

- **Exempt** groundwater sources are constructed to clean the groundwater basin. These wells are still subject to the BEA but instead of paying cash, O&M and Capital credits are used.
- **Exempt Sources**
 - Wells 21/22 (Non-exempt in 2034)
 - Irvine Desalter Plant (Capital credits drawn down in 2022)
 - Principal Aquifer Plant (Non-potable)
 - Shallow Groundwater Unit (Non-potable)
- **Non-Exempt Sources**
 - Dyer Road Well Field
 - Well 115
 - OPA Well
 - ~~Wells 106 & 72 (Non-potable)~~ Abandoned in 2025
 - Deep Aquifer Treatment System (DATS, moved to non-exempt in 2014)



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SOURCES OF SUPPLY

Sources of Supply	Exempt or Non-Exempt	System	Annual Production Capacity (AFY)
Irvine Desalter Plant	Exempt	Potable	4,200
Irvine Desalter Plant	Exempt	Non-Potable	3,400
Shallow Groundwater Unit	Exempt	Non-Potable	600
Wells 21/22	Exempt	Potable	2,400
Dyer Road Well Field	Non-exempt	Potable	28,000
Well 115	Non-exempt	Potable	1,500
OPA Well	Non-exempt	Potable	3,200
Deep Aquifer Treatment System	Non-exempt	Potable	8,400
Total			51,700



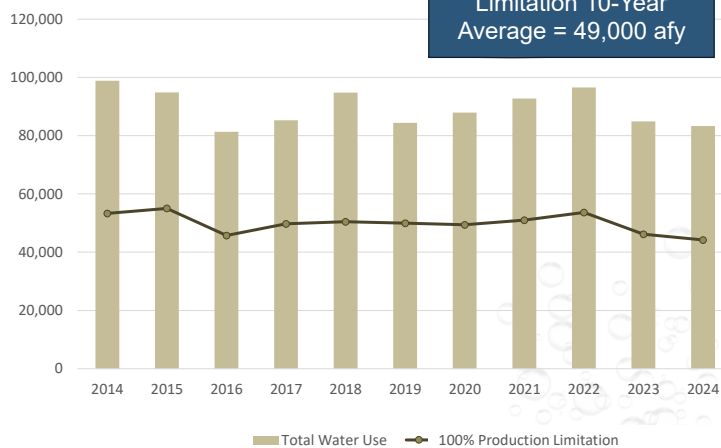
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HISTORICAL TOTAL WATER USE

HISTORICAL TOTAL WATER USE

Water use met by a portfolio of supplies:

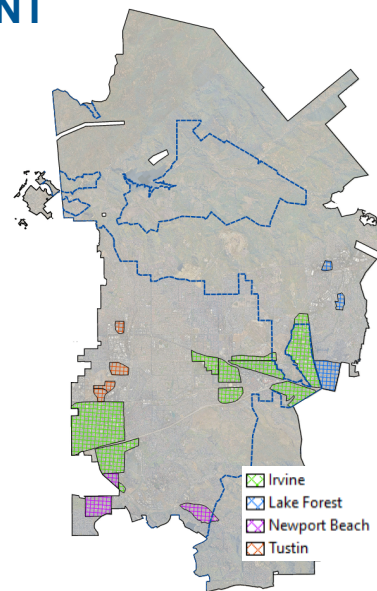
- Potable and Non-Potable Groundwater
- MWRP / LAWRP (Title 22)
- MWD Treated / Untreated
- Native water
- Baker Water Treatment Plant
- Howiler Water Treatment Plant (Future)



CONSIDERATIONS FOR FUTURE WATER NEEDS

REGIONAL HOUSING NEEDS ASSESSMENT

Area	Dwelling Units	Estimated Demand (AFY)	Inside or Outside OCWD Boundary
Newport Beach	6,300	880	Inside
Tustin	900	120	Inside
Lake Forest	2,100	300	Outside
Irvine	57,700	8,000	Inside
Totals	67,000	9,300	



IMPACTS OF SYPHON RESERVOIR AND HOWILER WTP

- As previously modeled, with the Syphon Reservoir Expansion, MWD untreated water supplement to the recycled water system will be replaced with recycled water. This reduces available groundwater production by 2,500 AFY.
- Howiler WTP and increased access to native water in Irvine Lake will not impact groundwater needs, and will offset MWD treated water purchases



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FUTURE GROUNDWATER NEEDS



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GENERAL PRINCIPLES FOR GROUNDWATER PRODUCTION

- ✓ Do not exceed 100% of groundwater use inside OCWD boundary
- ✓ Maximize both non-exempt and exempt groundwater production
- ✓ Pay BEA for groundwater produced over BPP limit
- ✓ Maximize cost effective GW production outside OCWD
- ✓ Consider other factors as required: regulatory, water quality, operations, reliability, and others



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FIVE-YEAR GROUNDWATER SCENARIOS

Baseline Scenario

- Existing: Average 10-year water use history
- Future: Sub-Area Master Plan (SAMP) Projections

RHNA Intensification

- Existing: Average 10-year water use history
- Future: SAMP Projections + RHNA intensification

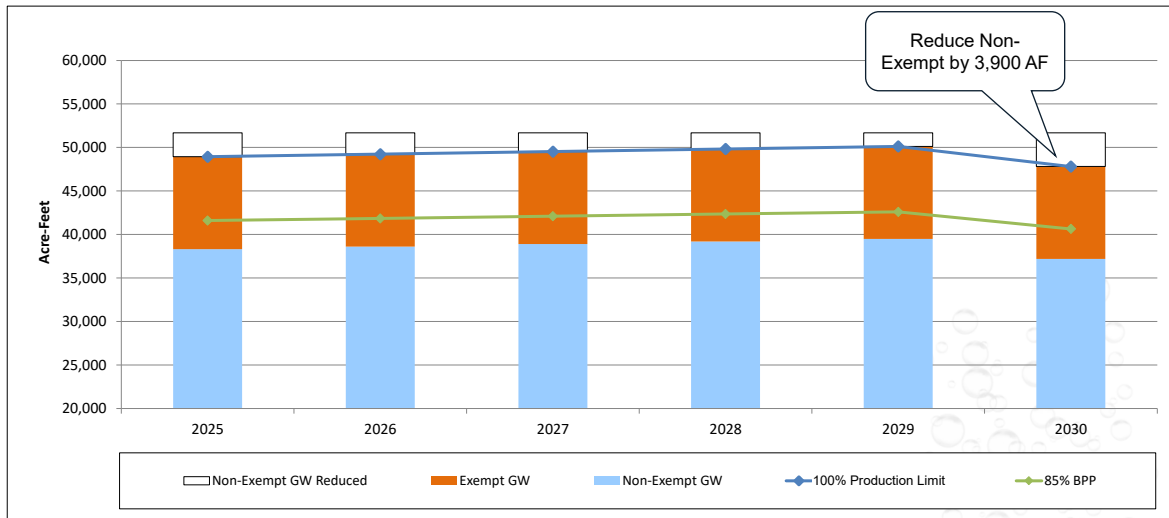
RHNA Intensification + 10%

- Existing: Average 10-year water use history + 10%
- Future: SAMP Projections + RHNA intensification

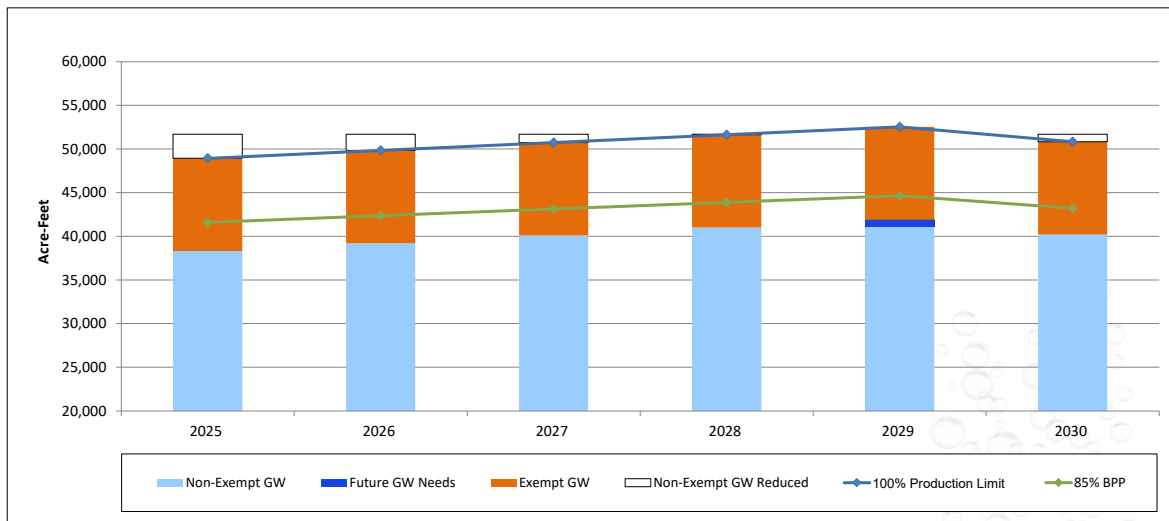


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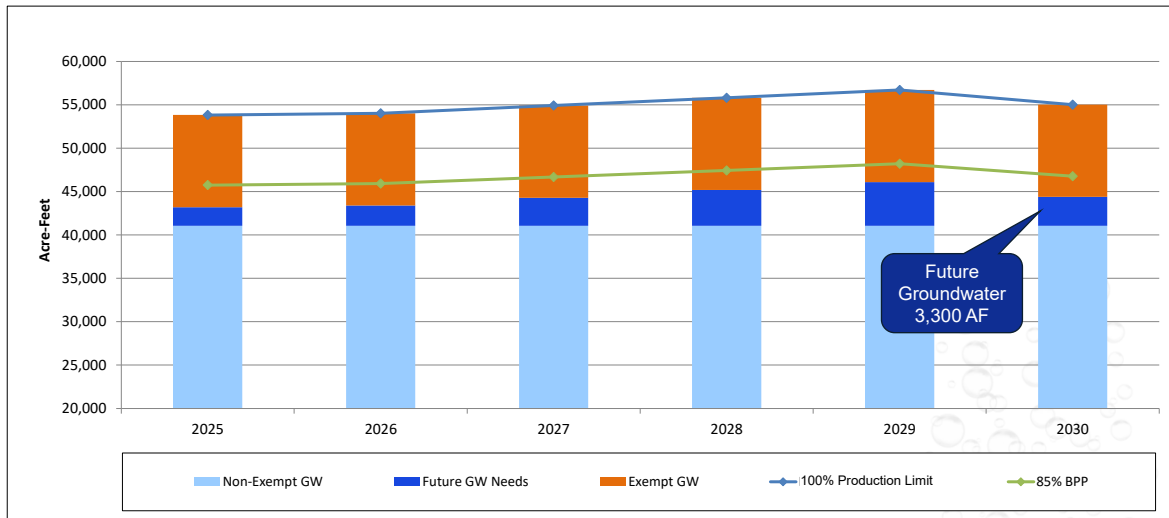
FUTURE GROUNDWATER: BASELINE



FUTURE GROUNDWATER: BASELINE + RHNA



FUTURE GROUNDWATER: BASELINE + RHNA + 10%



WATER PORTFOLIO OPPORTUNITIES

- Wells 51 and 52 Blending = 1,500 to 3,000 afy
 - Needs pipeline and verification of capacities and WQ
 - Capital cost ≈\$19.9M
- Future Tustin Legacy Wells = 3,000 afy
 - Needs pipeline and verification of capacities and WQ
 - Capital cost ≈\$18.6M

GROUNDWATER SUPPLY NEEDS SUMMARY

Scenarios	Current GW	2030 GW
Baseline	2,800 AFY standby capacity	3,900 AFY standby capacity
Baseline + RHNA	2,800 AFY standby capacity	850 AFY standby capacity
Baseline + RHNA + 10%	2,100 AFY additional groundwater needed	3,300 AFY additional groundwater needed

GROUNDWATER SUPPLY NEEDS SUMMARY

Scenarios	Current GW	2030 GW	Build Out
Baseline	2,800 AFY standby capacity	3,900 AFY standby capacity	6,600 AFY standby capacity
Baseline + RHNA	2,800 AFY standby capacity	850 AFY standby capacity	2,500 AFY additional groundwater needed
Baseline + RHNA + 10%	2,100 AFY additional groundwater needed	3,300 AFY additional groundwater needed	6,700 AFY additional groundwater needed

CONCLUSIONS

- Expanded OPA Well pumping helps satisfy future groundwater needs
- With Expanded OPA Well online, groundwater sources may need to be reduced to not exceed demands inside the OCWD boundary
- Over the next five years, during high demand periods (particularly with RHNA growth), additional groundwater may be needed
- Next five years will provide more data regarding water use growth, state mandates, and regional imported water supplies
- Additional capacity increases IRWD's reliability



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RECOMMENDATIONS

- Continue revisiting groundwater needs every 2-3 years
- Continue pumping 100% of water use inside OCWD boundary
- Complete capital projects to convey Howiler WTP supply to IRWD
- Hold on initiating Wells 51/52 design and construction
- Reallocate a portion of Long-Term Water Supply Planning Funds to Howiler WTP projects



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February 24, 2025
Prepared and
submitted by: K. Swan
Approved by: Paul A. Cook *PAC.*

CONSENT CALENDAR

BOARD MEETING MINUTES

SUMMARY:

Provided are the minutes of the January 27, 2025 Regular Board meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE JANUARY 27, 2025 REGULAR BOARD MEETING BE
APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – January 27, 2025 Minutes

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Exhibit "A"

MINUTES OF REGULAR MEETING – JANUARY 27, 2025

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order by President Reinhart at 5:00 p.m. on January 27, 2025 at the District offices, 15600 Sand Canyon Avenue, Irvine.

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

Directors Absent: LaMar.

Oral and Written Communications: None.

Items too late to be agendaized: None.

Also Present: General Manager Cook, Executive Director of Finance Adly, Executive Director of Technical Services Burton, Executive Director of Operations Chambers, Executive Director of Water Policy Weghorst, Director of Strategic Communications and Advocacy / Deputy General Counsel Compton, Director of Water Quality Colston, Director of Human Resources Mitcham, Director of Recycling Operations Zepeda, Director of Maintenance Operations Manning, Director of Water Resources Sanchez, Director of Information Technology Kaneshiro, Director of Accounting and Treasury Lin, Engineering Manager Moeder, Consultant Newell, General Counsel Collins, Secretary Swan, members of the staff, and public.

PRESENTATIONS – PROCLAMATION

A Proclamation was presented to Mr. Andrew Willis for his thirty-five years of service to the District by General Manager Cook with best wishes from the members of the Board.

CONSENT CALENDAR

On MOTION by Withers, seconded by Swan, CONSENT CALENDAR ITEMS FIVE THROUGH EIGHT WERE APPROVED 4-0 AS FOLLOWS:

5. BOARD MEETING MINUTES

Recommendation: That the minutes of the December 16, 2024 Regular Board meeting and December 17, 2024 Adjourned Regular Board meeting be approved as presented.

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

Recommendation: That the Board receive and file the memorandum dated January 13, 2025, 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 2025 as delineated.

CONSENT CALENDAR (CONTINUED)

7. DECEMBER 2024 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 2024 summary of payroll ACH payments in the total amount of \$2,648,045, and approve the December 2024 Accounts Payable Disbursement Summary of warrants 446552 through 447023, Workers' Compensation distributions, ACH payments, virtual card payments, wire transfers, payroll withholding distributions, and voided checks in the net total amount of \$26,347,779.

8. FISCAL YEAR 2024-25 GUIDING PRINCIPLES SCORECARD

Recommendation: Receive and file.

ACTION CALENDAR

9. ORACLE EBS SOFTWARE VERSION UPGRADE

Director of Information Technology Kaneshiro shared the background of the Oracle E-Business Suite, its implementation at IRWD, and the "Error Correction" Baseline patch that is necessary to maintain compliance and security with Oracle. Following an overview of the project, on MOTION by Withers, seconded by Swan, and unanimously carried, 4-0, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH CENTROID SYSTEMS, LLC, IN THE AMOUNT OF \$352,000 TO UPGRADE IRWD'S EBS SOFTWARE TO VERSION 12.2.14 TO MEET ORACLE'S NEW ERROR CORRECTION BASELINE REQUIREMENT.

10. TECHNICAL SERVICES AGREEMENT WITH UNITED STATES GEOLOGICAL SURVEY FOR SEISMIC MONITORING

Using a PowerPoint Presentation, Engineering Manager Moeder provided an overview of the IRWD Dam Safety Program and the USGS ShakeCast Agreement. Director Ferons reported that this item was reviewed by the Engineering and Operations Committee, and that the Committee supported the staff recommendation. Following discussion with the Board an amended recommendation was adopted, on MOTION by Ferons, seconded by Swan, and unanimously carried, 4-0, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A TECHNICAL SERVICES AGREEMENT WITH UNITED STATES GEOLOGICAL SURVEY IN THE NOT-TO-EXCEED AMOUNT OF \$238,911 FOR A FIVE-YEAR TERM, FOR THE DEVELOPMENT, MAINTENANCE, AND HOSTING OF IRVINE RANCH WATER DISTRICT'S SHAKECAST NETWORK, AND UPDATE THE ENGINEERING AND OPERATIONS COMMITTEE REGARDING THE POTENTIAL ADDITION OF OTHER IRWD FACILITIES TO THE MONITORED FACILITIES.

ACTION CALENDAR (CONTINUED)

11. SAN JOAQUIN WILDLIFE SANCTUARY ITEM

General Manager Cook reported that over the years, IRWD has established “affiliated” organizations, such as Bardeen Partners and corporations related to bond issuance. Some of these organizations remain, while others have been shut down, having served their purpose. An organization that was formed by IRWD many years ago for a specific purpose was the San Joaquin Wildlife Sanctuary. The Sanctuary was established as a non-profit charitable 501(c)(3) entity to: “*promote public awareness and education of the value of marsh environments and to assist in preserving the San Joaquin Marsh,*” which is owned by IRWD.

The Sanctuary’s current primary function is as a pass-through entity for the licensing of the use of certain facilities at the San Joaquin Marsh to Sea & Sage Audubon Society. Staff believes that the Sanctuary has served its purpose, and is no longer needed to serve in that role. Staff recommends that the Sanctuary wind itself down, with IRWD assuming responsibility for continuing the work of the Sanctuary utilizing IRWD staff and the Sanctuary’s remaining funds.

Staff recommends that IRWD submit a grant proposal to the Sanctuary through which most of the funds currently held by the Sanctuary will be transferred to IRWD for purposes that align with the Sanctuary’s mission to “promote public awareness and education of the value of marsh environments and to preserve the Marsh,” which includes funding Marsh operations. Staff also recommends that IRWD cancel the license agreement between IRWD with the Sanctuary and instead directly license use of the Marsh facilities to the Sea & Sage Audubon Society.

Mr. Cook stressed that nothing about this proposal will interrupt or otherwise limit Sea & Sage’s operations at the San Joaquin Marsh. He stated that IRWD values the relationship with Sea & Sage Audubon and wants to preserve this well into the future.

After discussion with the Board, on MOTION by Withers seconded by Ferons, and unanimously carried, 4-0, THE BOARD AUTHORIZED STAFF TO SUBMIT A PROPOSAL TO THE SAN JOAQUIN WILDLIFE SANCTUARY FOR GRANT FUNDING TO PERFORM ACTIVITIES CONSISTENT WITH THE PURPOSE OF THE SAN JOAQUIN WILDLIFE SANCTUARY, IN AN AMOUNT EQUAL TO THE BALANCE OF ITS FUNDS, LESS ANY FUNDS NECESSARY FOR LEGAL AND ADMINISTRATIVE EXPENSES ASSOCIATED WITH WINDING DOWN THE SAN JOAQUIN WILDLIFE SANCTUARY; AND AUTHORIZED STAFF TO TERMINATE, AT A TIME STAFF DEEMS APPROPRIATE, THE EXISTING LICENSE BETWEEN IRWD AND THE SAN JOAQUIN WILDLIFE SANCTUARY AND EXECUTE A REPLACEMENT LICENSE BETWEEN IRWD AND SEA & SAGE AUDUBON, THE TERMS OF WHICH WILL BE SIMILAR TO THE TERMINATED LICENSE.

OTHER BUSINESS

12. General Manager’s Report

In the wake of the Eaton and Palisades wildfires in Los Angeles County, Mr. Cook stated that IRWD has received some questions via calls and visits to IRWD.com regarding the status of IRWD’s fire hydrants. HOAs and other organizations are starting to inquire about the natural landscaping / brush at our District facilities. The District will be working to answer their questions and address their areas of concern.

OTHER BUSINESS (CONTINUED)

He also announced the completion of the transaction with Serrano Water District on January 15, and that bringing the Howiler Plant online to IRWD's system occurred without issue. He thanked Operations staff for making the transfer seamless; and thanked Laura Cunningham for meeting with the immediate neighbors of the plant to introduce IRWD as their new neighbor.

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

Mr. Newell reported that with the recent wind and fire events, some residents in the canyons are looking to purchase private fire hoses to attach to the fire hydrants. He is working together with the Fire Authority, Fire-Safe Council, and the Inter-Canyon League to educate the residents that these actions can be detrimental to the water distribution system, the safety of their neighbors and firefighters, and that it is against the law to tamper and interfere with the fire hydrants.

14. Directors' Comments and Meeting Reports

Director Ferons reported on his meeting with Tustin Councilman Ryan Gallagher; his participation in the Water UCI: Evaluating the Efficacy of Nature-Based Solutions to Urban Water Challenges webinar; his lunch with Kadesh & Associates; his participation in the Southern California Water Coalition Board Meeting and Quarterly Luncheon in Inglewood; his attendance at the Swearing-in Ceremony for 47th District of California Congressman Dave Min; and the Southern California Water Coalition Legislative Task Force Meeting via teleconference.

Director Withers reported on his participation in the WACO Monthly meeting via teleconference and the Southern California Water Coalition's Quarterly Luncheon in Inglewood.

Director Swan reported on his attendance at the WACO Planning Committee via teleconference; the MWDOC Board of Directors' Meeting via teleconference; the MWDOC Workshop Board Meeting with MWD Directors via teleconference; the WACO Monthly Meeting via teleconference; the MWDOC Planning and Operations Committee Meeting via teleconference; the MWDOC Administration & Finance Committee Meeting via teleconference; MWDOC Board of Directors' Meeting; the WACO Planning Committee Meeting; the Quarterly MWDOC / OCWD Joint Planning Committee Meeting and the Water UCI: Evaluating the Efficacy of Nature-Based Solutions to Urban Water Challenges webinar.

President Reinhart reported on his attendance at the OCWD Board of Directors Meeting via teleconference; the WACO Monthly Meeting via teleconference; the MWDOC Planning and Operations Committee Meeting via teleconference; the MWDOC Administration & Finance Committee Meeting via teleconference; OCWD Administration / Finance Issues Committee Meeting; the MWDOC Board of Directors' Meeting; OCWD Board of Directors' Meeting; Quarterly MWDOC / OCWD Joint Planning Committee Meeting; and the Southern California Water Coalition Quarterly Luncheon, Inglewood.

OTHER BUSINESS (CONTINUED)

15. ADJOURNMENT

At 6:16 p.m., President Reinhart adjourned the Board meeting.

APPROVED and SIGNED this 24th day of February 2025.


President, IRVINE RANCH WATER DISTRICT

District Secretary,
IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Claire Hervey Collins, General Counsel
Hanson Bridgett LLP

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February 24, 2025
Prepared by: J. Davis
Submitted by: N. Adly
Approved by: Paul A. Cook 

CONSENT CALENDAR

JANUARY 2025 TREASURY REPORT

SUMMARY:

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

- A. The January 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 January 31, 2025, as outlined in Exhibit "B";
- C. The Monthly Interest Rate Swap Summary as of January 31, 2025, as outlined in Exhibit "C";
- D. The January 31, 2025, Disbursement Summary of warrants 447024 through 447619, Workers' Compensation distributions, ACH payments, virtual card payments, wire transfers, payroll withholding distributions, and voided checks in the net total amount of \$40,381,131 as outlined in Exhibit "D";
- E. The Summary of Payroll ACH payments in the total amount of \$2,656,596 as outlined in Exhibit "E"; and
- F. The Disclosure Report of Reimbursements to Board members and staff for January 2025, detailing payments or reimbursements for individual charges of \$100 or more per transaction as outlined in Exhibit "F".

FISCAL IMPACTS:

As of January 31, 2025, the book value of the investment portfolio was \$392,049,424, with a 4.43% rate of return and a market value of \$392,061,806. Based on IRWD's December 31, 2024, quarterly real estate annualized investment rate of return of 14.11%, the weighted average return for the fixed income and real estate investments was 6.44%.

As of January 31, 2025, the outstanding principal amount of fixed and variable rate debt was \$575,395,000. The monthly weighted average all-in variable rate was 1.54%. Including IRWD's weighted average fixed rate bond issues of 3.73% and the negative cash accruals from fixed payer interest rate swaps, which hedge a portion of the District's variable rate debt, the total average debt rate was 3.07%.

Payroll ACH payments totaled \$2,656,596. Wire transfers, other ACH payments, and checks issued for debt service, accounts payable, payroll, water purchases, and voided checks for January was \$40,381,131.

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 JANUARY 2025 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$2,656,596, AND APPROVE THE JANUARY 2025 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 447024 THROUGH 447619, WORKERS' COMPENSATION DISTRIBUTIONS, ACH PAYMENTS, VIRTUAL CARD PAYMENTS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS, AND VOIDED CHECKS IN THE NET TOTAL AMOUNT OF \$40,381,131.

LIST OF EXHIBITS:

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

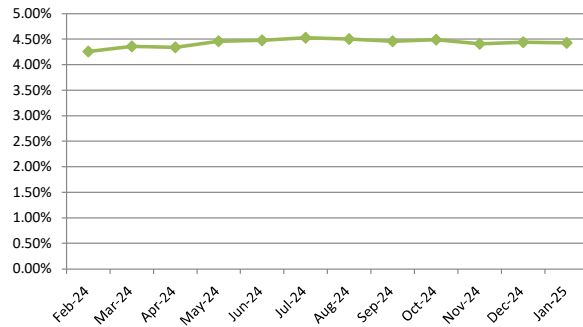
Exhibit "A"

Irvine Ranch Water District

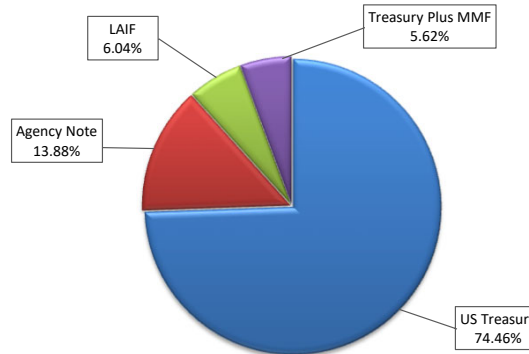
Investment Portfolio Summary

January 2025

Monthly Fixed Income Yield



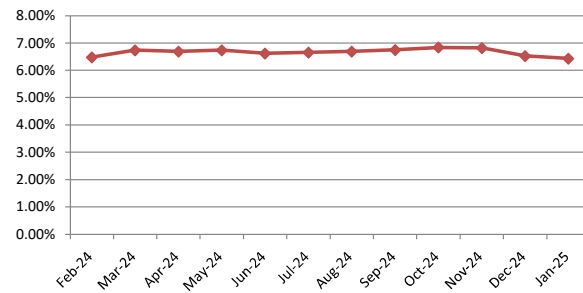
Portfolio Distribution



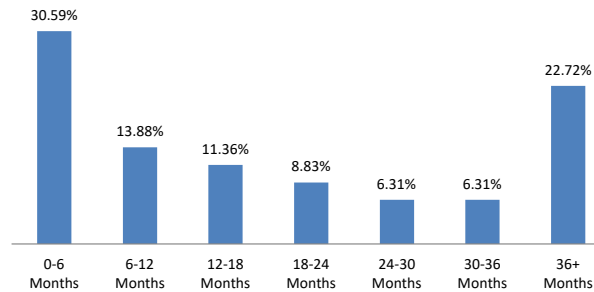
Investment Summary

Type	PAR	Book Value	Market Value
US Treasury	295,000,000	291,124,094	291,146,709
Agency Note	55,000,000	54,724,481	54,723,300
LAIF	23,949,834	23,949,834	23,940,780
Treasury Plus MMF	22,251,016	22,251,016	22,251,016
Grand Total	396,200,850	392,049,424	392,061,806

Weighted Average Return Including Real Estate Portfolio



Maturity Distribution



Top Issuers

Issuer	PAR	% Portfolio
US Treasury	295,000,000	74.46%
Fed Farm Credit Bank	30,000,000	7.57%
State of California Tsy.	23,949,834	6.04%
Wells Fargo / Allspring	22,251,016	5.62%
Fed Home Loan Mortgage Corp	15,000,000	3.79%
Fed Home Loan Bank	10,000,000	2.52%
Grand Total	396,200,850	100.00%

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

01/31/25

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 1/31/2025	UNREALIZED ⁽²⁾ GAIN/(LOSS)
11/27/24			02/01/25		LAIF	State of California Tsy.	\$23,949,833.78		4.340%	\$23,949,833.78	\$23,949,833.78	23,940,780.38	(9,053.40)
01/31/25			02/01/25		Treasury Plus MMF	Wells Fargo / Allspring	22,251,015.74		4.217%	22,251,015.74	22,251,015.74	22,251,015.74	0.00
02/07/23	NA	NA	02/14/25	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.750%	4.500%	4,737,350.00	4,995,373.37	4,996,100.00	726.63
12/30/22	NA	NA	02/28/25	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	2.750%	4.317%	4,839,453.13	4,994,519.89	4,994,250.00	(269.89)
02/07/23	NA	NA	03/14/25	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	4.250%	4.518%	4,973,050.00	4,998,557.51	4,999,300.00	742.49
12/30/22	NA	NA	03/15/25	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	1.750%	4.329%	4,731,250.00	4,985,995.66	4,986,650.00	654.34
04/12/23	NA	NA	03/31/25	Aaa/AA+/AA+	Treasury - Note	US Treasury	20,000,000	3.875%	4.073%	19,925,781.25	19,994,012.95	19,986,200.00	(7,812.95)
12/22/22	NA	NA	04/01/25	Aaa/AA+/AAA	FHLB - Note	Fed Home Loan Bank	5,000,000	4.200%	4.160%	5,004,550.00	5,000,323.04	4,998,200.00	(2,123.04)
04/18/24	NA	NA	04/15/25	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	2.625%	5.163%	9,757,617.18	9,951,121.70	9,962,109.40	10,987.70
12/08/22	Quarterly	02/12/2023	05/12/25	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	3.050%	4.427%	4,843,000.00	4,982,279.91	4,980,550.00	(1,729.91)
01/11/23	NA	NA	05/15/25	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	2.750%	4.148%	4,845,312.50	4,981,365.13	4,978,100.00	(3,265.13)
12/13/22	NA	NA	06/13/25	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	4.250%	4.340%	4,989,400.00	4,998,467.47	4,997,800.00	(667.47)
12/13/22	NA	NA	06/13/25	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	4.250%	4.352%	4,988,000.00	4,998,265.06	4,997,800.00	(465.06)
08/01/23	NA	NA	07/15/25	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	3.000%	4.917%	9,646,875.00	9,918,890.06	9,942,300.00	23,409.94
04/24/23	NA	NA	07/24/25	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	10,000,000	4.250%	4.253%	10,000,000.00	10,000,000.00	10,000,900.00	900.00
11/15/24	NA	NA	08/31/25	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	5.000%	4.452%	5,020,703.13	5,015,115.43	5,017,950.00	2,834.57
04/21/23	NA	NA	09/23/25	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	10,000,000	0.375%	4.127%	9,143,400.00	9,773,764.79	9,758,000.00	(15,764.79)
12/01/22	NA	NA	10/15/25	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	4.250%	4.298%	4,993,359.38	4,998,379.41	4,998,300.00	(79.41)
12/01/23	NA	NA	11/15/25	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	2.250%	4.719%	9,543,750.00	9,816,861.89	9,843,000.00	26,138.11
12/01/22	Continuous after	9/12/2023	12/12/25	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	4.125%	4.694%	4,920,500.00	4,977,449.86	4,994,650.00	17,200.14
04/18/24	NA	NA	01/15/26	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	3.875%	5.033%	9,808,593.75	9,895,432.69	9,967,600.00	72,167.31
02/21/24	NA	NA	02/15/26	Aaa/AA+/AA+	Treasury - Note	US Treasury	15,000,000	4.000%	4.553%	14,844,140.63	14,918,523.17	14,959,050.00	40,526.83
04/30/24	NA	NA	03/31/26	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	4.500%	5.017%	4,953,125.00	4,971,674.11	5,012,900.00	41,225.89
07/06/23	NA	NA	06/15/26	Aaa/AA+/AA+	Treasury - Note	US Treasury	15,000,000	4.125%	4.566%	14,819,531.25	14,916,228.92	14,976,600.00	60,371.08
06/03/24	NA	NA	07/15/26	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	4.500%	4.843%	4,965,625.00	4,976,445.11	5,017,600.00	41,154.89
09/27/23	NA	NA	09/15/26	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	4.625%	4.846%	9,939,453.13	9,966,989.67	10,057,800.00	90,810.33
11/03/23	NA	NA	10/15/26	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	4.625%	4.784%	9,956,640.63	9,974,998.91	10,059,400.00	84,401.09
12/28/23	NA	NA	12/15/26	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	4.375%	4.020%	10,098,046.88	10,061,743.28	10,021,900.00	(39,843.28)
01/31/24	NA	NA	01/15/27	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	4.000%	4.171%	9,952,734.38	9,968,795.94	9,953,900.00	(14,895.94)
12/19/24	NA	NA	02/28/27	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	1.875%	4.303%	9,496,093.75	9,523,773.99	9,532,800.00	9,026.01
11/18/24	NA	NA	03/15/27	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	4.250%	4.289%	4,995,507.81	4,995,905.58	4,999,600.00	3,694.42
11/08/24	NA	NA	07/15/27	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	4.375%	4.156%	5,027,343.75	5,024,969.68	5,013,300.00	(11,669.68)
01/09/25	NA	NA	08/31/27	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	3.125%	4.301%	4,854,687.50	4,858,154.50	4,861,700.00	3,545.50
03/11/24	NA	NA	09/30/27	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	4.125%	4.195%	9,976,953.13	9,982,759.24	9,967,200.00	(15,559.24)
01/07/25	NA	NA	10/15/27	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	3.875%	4.311%	4,943,359.38	4,944,759.99	4,949,600.00	4,840.01
05/24/24	NA	NA	01/31/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	3.500%	4.621%	9,623,437.50	9,694,165.27	9,784,400.00	90,234.73
12/19/24	NA	NA	02/15/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	2.750%	4.228%	9,567,187.50	9,583,704.20	9,564,800.00	(18,904.20)
07/18/24	NA	NA	04/30/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	1.250%	4.152%	4,496,484.38	4,568,623.38	4,543,350.00	(25,273.38)
01/07/25	NA	NA	05/31/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	1.250%	4.363%	4,513,671.88	4,523,476.88	4,531,450.00	7,973.12
06/27/24	NA	NA	07/31/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	4.125%	4.394%	9,900,000.00	9,914,648.83	9,941,000.00	26,351.17
08/16/24	NA	NA	08/15/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	5,000,000	2.875%	3.854%	4,820,312.50	4,841,111.94	4,764,850.00	(76,261.94)
08/09/24	NA	NA	09/30/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	1.250%	3.863%	9,008,593.75	9,123,919.26	8,966,000.00	(157,919.26)
11/28/23	NA	NA	10/31/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	4.875%	4.464%	10,179,687.50	10,136,638.41	10,185,200.00	48,561.59
12/15/23	NA	NA	11/30/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	15,000,000	4.375%	3.897%	15,319,921.88	15,246,827.15	15,018,750.00	(228,077.15)
12/13/24	NA	NA	12/31/28	Aaa/AA+/AA+	Treasury - Note	US Treasury	10,000,000	3.750%	4.160%	9,848,437.50	9,853,561.32	9,787,100.00	(66,461.32)
SUB-TOTAL							\$396,200,850			\$389,013,771.45	\$392,049,424.07	\$392,061,805.52	\$12,381.45
TOTAL INVESTMENTS							\$396,200,850			\$389,013,771.45	\$392,049,424.07	\$392,061,805.52	\$12,381.45

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 1/31/2025	UNREALIZED ⁽²⁾ GAIN/(LOSS)
					Petty Cash					600.00			
					Ck Balance	Bank of America	ECR	1.32%		3,007,081.82			
					Ck Balance	Wells Fargo	ECR	2.00%		0.00 ⁽⁵⁾			
										<u>\$392,021,453.27</u>			

Outstanding Variable Rate Debt	\$202,300,000
Net Outstanding Variable Rate Debt (Less \$60 million fixed-payer swaps)	\$142,300,000
Investment Balance:	\$392,021,453
Investment to Variable Rate Debt Ratio:	275%
Portfolio - Average Number of Days To Maturity	546

	Investment Portfolio	Real Estate ⁽³⁾⁽⁴⁾ Portfolio	Weighted Avg. Return
January	4.43%	14.11%	6.44%
December	4.44%	14.11%	6.53%
Change	-0.01%	0.00%	-0.09%

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

01/31/25

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Municipal Bonds	US Treasury	Investment Sweep
1/25	46,200,850	11.66%	\$23,949,834					22,251,016
2/25	10,000,000	2.52%		5,000,000			5,000,000	
3/25	30,000,000	7.57%		5,000,000			25,000,000	
4/25	15,000,000	3.79%		5,000,000			10,000,000	
5/25	10,000,000	2.52%		5,000,000			5,000,000	
6/25	10,000,000	2.52%		10,000,000				
7/25	20,000,000	5.05%		10,000,000			10,000,000	
8/25	5,000,000	1.26%					5,000,000	
9/25	10,000,000	2.52%		10,000,000				
10/25	5,000,000	1.26%					5,000,000	
11/25	10,000,000	2.52%					10,000,000	
12/25	5,000,000	1.26%		5,000,000				
SUB-TOTAL	\$176,200,850	44.47%	\$23,949,834	\$55,000,000			\$75,000,000	\$22,251,016
13 MONTHS - 3+ YEARS								
01/01/2026 - 03/31/2026	\$30,000,000	7.57%					30,000,000	
04/01/2026 - 06/30/2026	\$15,000,000	3.79%					15,000,000	
07/01/2026 - 09/30/2026	\$15,000,000	3.79%					15,000,000	
10/01/2026 - 12/31/2026	\$20,000,000	5.05%					20,000,000	
01/01/2027 - 03/31/2027	\$25,000,000	6.31%					25,000,000	
04/01/2027 - 06/30/2027								
07/01/2027 - 09/30/2027	\$20,000,000	5.05%					20,000,000	
10/01/2027 - 12/31/2027	\$5,000,000	1.26%					5,000,000	
01/01/2028 - 03/31/2028	\$20,000,000	5.05%					20,000,000	
04/01/2028 - 06/30/2028	\$10,000,000	2.52%					10,000,000	
07/01/2028 - 09/30/2028	\$25,000,000	6.31%					25,000,000	
10/01/2028 +	\$35,000,000	8.83%					35,000,000	
SUB-TOTAL	\$220,000,000	55.53%					\$220,000,000	
TOTALS	\$396,200,850	100.00%	\$23,949,834	\$55,000,000			\$295,000,000	\$22,251,016

% OF PORTFOLIO	6.04%	13.88%	74.46%	5.62%
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Irvine Ranch Water District
Summary of Real Estate - Income Producing Investments
12/31/2024

	ACQUISITION DATE	PROPERTY TYPE	OWNERSHIP INTEREST	ORIGINAL COST	MARKET VALUE 12/31/2024	ANNUALIZED RATE OF RETURN QUARTER ENDED 12/31/2024
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 45,457,369	\$ 220,000,000	22.42%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	\$ 38,420,894	8.61%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,568,747	\$ 10,000,000	9.53%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,983,395	\$ 13,500,000	7.10%
Sand Canyon Professional Center - Medical Office	Jul-12	Medical Office	Fee Simple	\$ 8,715,929	\$ 12,000,000	7.84%
Sand Canyon Professional Center - General Office ⁽¹⁾	Sep-20	Office Building	Fee Simple	\$ 31,404,103	\$ 32,000,000	7.69%
Total - Income Properties				\$ 106,129,543	\$ 325,920,894	14.11%

(1) Original Cost updated to reflect capital tenant improvements added for Fiscal Year 2023.

Jan-25

PURCHASES

(1) Italicized entries indicate securities that are scheduled but not yet matured, sold, called, or purchased. There may be additional investment purchases if there are pending maturities for the month.

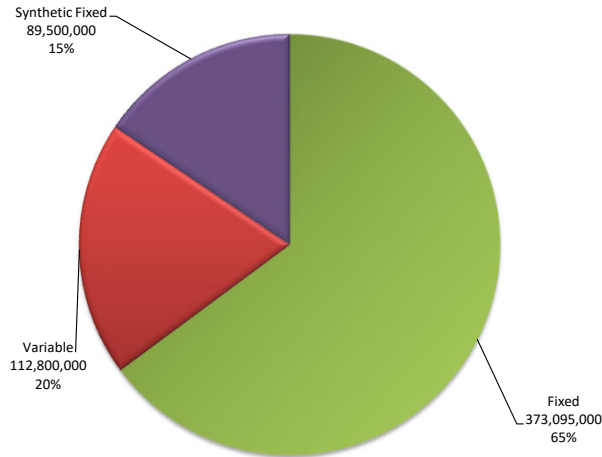
Exhibit "B"

Irvine Ranch Water District

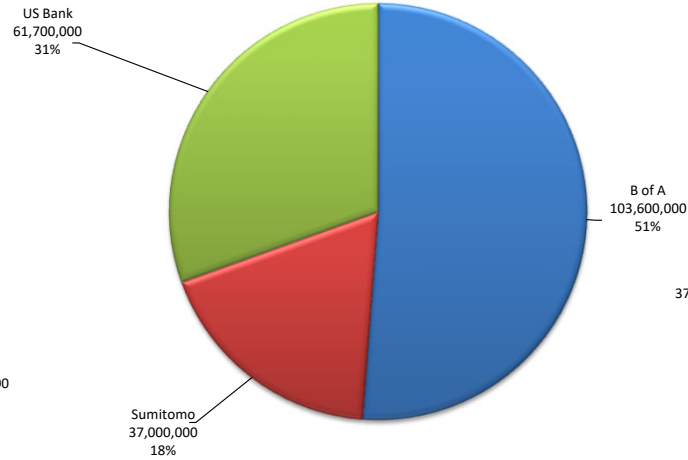
Summary of Fixed and Variable Rate Debt

January 2025

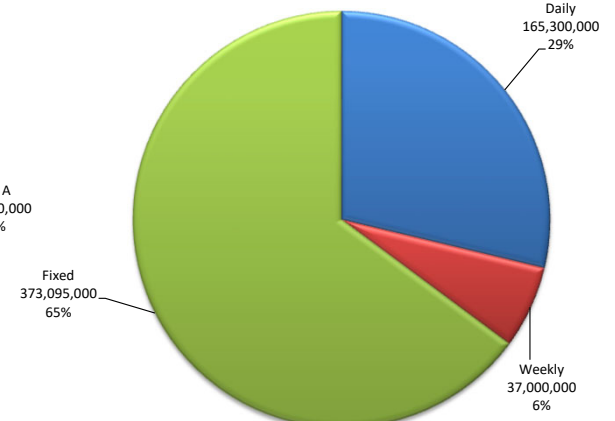
Current Debt Mix By Type



Letters of Credit / Support



Current Debt Rate Reset



Outstanding Par by Series

Series	Issue Date	Maturity Date	Remaining Principal	Percent	Letter of Credit/Support	Rmkt Agent	Mode	Reset
Series 1993	05/19/93	04/01/33	\$19,200,000	3.34%	US Bank	BAML	Variable	Daily
Series 2008-A Refunding	04/24/08	07/01/35	\$37,000,000	6.43%	Sumitomo	BAML	Variable	Weekly
Series 2011-A-1 Refunding	04/15/11	10/01/37	\$36,660,000	6.37%	B of A	Goldman	Variable	Daily
Series 2011-A-2 Refunding	04/15/11	10/01/37	\$24,440,000	4.25%	B of A	Goldman	Variable	Daily
Series 2009 - A	06/04/09	10/01/41	\$42,500,000	7.39%	US Bank	US Bank	Variable	Daily
Series 2009 - B	06/04/09	10/01/41	\$42,500,000	7.39%	B of A	Goldman	Variable	Daily
2016 COPS	09/01/16	03/01/46	\$101,490,000	17.64%	N/A	N/A	Fixed	Fixed
2010 Build America Taxable Bond	12/16/10	05/01/40	\$175,000,000	30.41%	N/A	N/A	Fixed	Fixed
Series 2016	10/12/16	02/01/46	\$96,605,000	16.79%	N/A	N/A	Fixed	Fixed
Total			\$575,395,000	100.00%				

IRVINE RANCH WATER DISTRICT
SUMMARY OF FIXED & VARIABLE RATE DEBT

January-25

Daily																									
Weekly																									
GENERAL BOND INFORMATION							LETTER OF CREDIT INFORMATION										TRUSTEE INFORMATION								
VARIABLE RATE ISSUES	Issue Date	Maturity Date	Principal Payment Date	Payment Date	Original Par Amount	Remaining Principal	Letter of Credit	Reimbursement Agreement Date	L/C Exp. Date		MOODYS	S&P	FITCH	LOC Stated Amount	LOC Fee	Annual LOC Cost	Rmkt Agent	Reset	Rmkt Fees	Annual Cost	Trustee				
SERIES 1993	05/19/93	04/01/33	Apr 1	5th Bus. Day	\$38,300,000	\$19,200,000	US BANK	05/07/15	05/01/25		Aa3/VMIG1	AA-/A-1+	N/R	\$19,458,805	0.3000%	\$58,376	BAML	DAILY	0.10%	\$19,200	BANK OF NY				
SERIES 2008-A Refunding	04/24/08	07/01/35	Jul 1	5th Bus. Day	\$60,215,000	\$37,000,000	SUMITOMO	04/01/11	05/28/25		A1/P-1	A/A-1	A/F1	\$37,547,397	0.3150%	\$118,274	BAML	WED	0.07%	\$25,900	BANK OF NY				
SERIES 2011-A-1 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$60,545,000	\$36,660,000	B of A	02/01/24	02/08/27		Aa1/VMIG1	A+/A-1	AAA/F1+	\$37,069,788	0.3200%	\$118,623	Goldman	DAILY	0.07%	\$25,662	BANK OF NY				
SERIES 2011-A-2 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$40,370,000	\$24,440,000	B of A	02/01/24	02/08/27		Aa1/VMIG1	A+/A-1	AAA/F1+	\$24,713,192	0.3200%	\$79,082	Goldman	DAILY	0.07%	\$17,108	BANK OF NY				
SERIES 2009 - A	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$42,500,000	US BANK	04/01/11	05/01/25		Aa2/VMIG 1	AA-/A-1+	AA/F1+	\$42,975,068	0.3000%	\$128,925	US Bank	DAILY	0.07%	\$29,750	US BANK				
SERIES 2009 - B	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$42,500,000	B of A	04/01/11	04/21/25		Aa2/VMIG 1	A/A-1	A1/F1+	\$42,975,068	0.2800%	\$120,330	Goldman	DAILY	0.07%	\$29,750	US BANK				
					\$349,430,000	\$202,300,000	SUB-TOTAL VARIABLE RATE DEBT							\$204,739,321	0.3046%	\$623,612									
															(Wt. Avg)			(Wt. Avg)							
FIXED RATE ISSUES																									
2010 GO Build America Taxable Bonds	12/16/10	05/01/40	May (2025)	May/Nov	\$175,000,000	\$175,000,000	N/A	N/A	N/A		Aa1	AAA	NR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	US BANK				
2016 COPS	09/01/16	03/01/46	Mar 1	Mar/Sept	\$116,745,000	\$101,490,000	N/A	N/A	N/A		NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	US BANK				
SERIES 2016	10/12/16	02/01/46	Feb 1	Feb/Aug	\$103,400,000	\$96,605,000	N/A	N/A	N/A		NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BANK OF NY				
					\$395,145,000	\$373,095,000	SUB-TOTAL FIXED RATE DEBT																		
					\$744,575,000	\$575,395,000	TOTAL- FIXED & VARIABLE RATE DEBT																		

Remarketing Agents			GO VS COP's		
Goldman	103,600,000	51%	GO:	473,905,000	82%
BAML	56,200,000	28%	COPS:	101,490,000	18%
US Bank	42,500,000	21%	Total	<u>575,395,000</u>	
	<u>202,300,000</u>				

LOC Banks			Breakdown Between Variable & Fixed Rate Mode		
SUMITOMO	37,000,000	18%	Daily Issues	165,300,000	29%
BANK OF AMERICA	103,600,000	51%	Weekly Issues	37,000,000	6%
US BANK	61,700,000	30%	Sub-Total	<u>202,300,000</u>	
	<u>202,300,000</u>		Fixed Rate Issues	\$373,095,000	65%
			Sub-Total - Fixed	<u>373,095,000</u>	
			TOTAL DEBT		
			FIXED & VAR.	<u>575,395,000</u>	100%

SUMMARY OF DEBT RATES
Jan-25

Rmkt Agent Mode	GOLDMAN DAILY	GOLDMAN DAILY	GOLDMAN DAILY	MERRILL LYNCH DAILY	MERRILL LYNCH WEEKLY	US BANK DAILY
Bond Issue	2009 - B	2011 A-1	2011 A-2	1993	2008-A	2009-A
Par Amount	42,500,000	36,660,000	24,440,000	19,200,000	37,000,000	42,500,000
LOC Bank Reset	BOFA	BOFA	BOFA	US BANK	Sumitomo Wednesday	US BANK
1/1/2025	3.80%	3.80%	3.80%	3.50%	2.78%	3.65%
1/2/2025	1.70%	1.70%	1.70%	2.15%	1.78%	2.00%
1/3/2025	1.20%	1.20%	1.20%	1.15%	1.78%	1.00%
1/4/2025	1.20%	1.20%	1.20%	1.15%	1.78%	1.00%
1/5/2025	1.20%	1.20%	1.20%	1.15%	1.78%	1.00%
1/6/2025	0.45%	0.45%	0.45%	0.40%	1.78%	1.00%
1/7/2025	0.20%	0.20%	0.20%	0.20%	1.78%	0.40%
1/8/2025	0.15%	0.15%	0.15%	0.15%	1.78%	0.30%
1/9/2025	0.15%	0.15%	0.15%	0.15%	0.93%	0.30%
1/10/2025	0.15%	0.15%	0.15%	0.15%	0.93%	0.25%
1/11/2025	0.15%	0.15%	0.15%	0.15%	0.93%	0.25%
1/12/2025	0.15%	0.15%	0.15%	0.15%	0.93%	0.25%
1/13/2025	0.15%	0.15%	0.15%	0.25%	0.93%	0.35%
1/14/2025	0.45%	0.45%	0.45%	0.40%	0.93%	0.45%
1/15/2025	1.05%	1.05%	1.05%	0.85%	0.93%	1.10%
1/16/2025	1.45%	1.45%	1.45%	0.95%	1.63%	1.30%
1/17/2025	1.45%	1.45%	1.45%	0.95%	1.63%	1.30%
1/18/2025	1.45%	1.45%	1.45%	0.95%	1.63%	1.30%
1/19/2025	1.45%	1.45%	1.45%	0.95%	1.63%	1.30%
1/20/2025	1.45%	1.45%	1.45%	0.95%	1.63%	1.30%
1/21/2025	1.05%	1.05%	1.05%	0.85%	1.63%	1.15%
1/22/2025	0.95%	0.95%	0.95%	0.80%	1.63%	0.90%
1/23/2025	0.95%	0.95%	0.95%	1.20%	2.05%	1.05%
1/24/2025	1.45%	1.45%	1.45%	1.30%	2.05%	1.50%
1/25/2025	1.45%	1.45%	1.45%	1.30%	2.05%	1.50%
1/26/2025	1.45%	1.45%	1.45%	1.30%	2.05%	1.50%
1/27/2025	1.45%	1.45%	1.45%	1.25%	2.05%	1.40%
1/28/2025	1.45%	1.45%	1.45%	1.25%	2.05%	1.30%
1/29/2025	1.20%	1.20%	1.20%	1.15%	2.05%	1.20%
1/30/2025	1.25%	1.25%	1.25%	1.20%	1.32%	1.15%
1/31/2025	1.30%	1.30%	1.30%	1.50%	1.32%	1.15%
Avg Interest Rates	1.08%	1.08%	1.08%	0.96%	1.62%	1.08%
Rmkt Fee	0.07%	0.07%	0.07%	0.10%	0.07%	0.07%
LOC Fee	0.28%	0.32%	0.32%	0.30%	0.32%	0.30%
All-In Rate	1.43%	1.47%	1.47%	1.36%	2.00%	1.45%
Par Amount	103,600,000			56,200,000		42,500,000

Interest Rate Mode	Percent of Total Variable Rate Debt	Par Outstanding	Weighted All-In Average Rate	Base Rate Average
Daily	81.71%	165,300,000	1.44%	1.06%
Weekly	18.29%	37,000,000	2.00%	1.62%
	100.00%	\$202,300,000	1.54%	1.17%
Fixed				
COPS 2016	27.20%	101,490,000	2.90%	
BABS 2010	46.90%	175,000,000	4.44%	(1)
SERIES 2016	25.89%	96,605,000	3.32%	
	100.00%	\$373,095,000	3.73%	
All-In Debt Rate Including \$60 Million Notional Amount of Swaps				3.07%

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

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Exhibit "C"

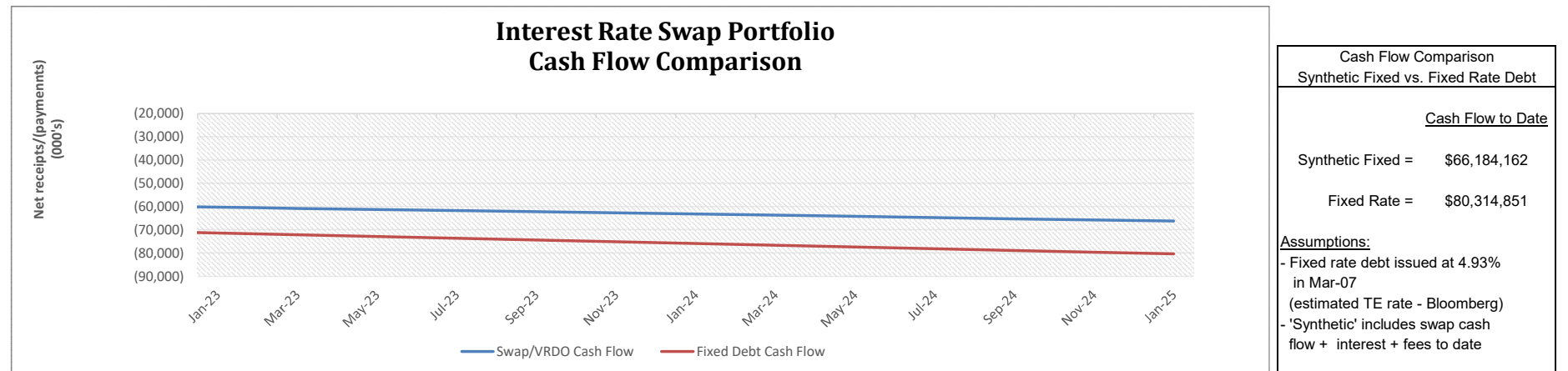
Irvine Ranch Water District Interest Rate Swap Summary January 2025

	Prior Mo.	Current Mo.	12-Mo Avg
SFR1M (Lbr Rpl) Avg %	4.52%	4.42%	4.93%

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	4.1	ML	30,000,000	FXP	LIBOR	5.687%	(27,133)	(26,698)	(106,078)	(22,095,330)		28,275,858	(1,724,142)
3/10/2007	3/10/2029	4.1	CG	30,000,000	FXP	LIBOR	5.687%	(27,133)	(26,698)	(106,078)	(22,095,123)		28,277,086	(1,722,914)
Totals/Weighted Avgs				\$ 60,000,000			5.687%	\$ (54,266)	\$ (53,396)	\$ (212,156)	\$ (44,190,454)		\$ 56,552,944	\$ (3,447,056)
Total Current Year Active Swaps				\$ 60,000,000				\$ (54,266)	\$ (53,396)	\$ (212,156)	\$ (44,190,454)		\$ 56,552,944	\$ (3,447,056)

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								\$ (54,266)	\$ (53,396)	\$ (212,156)	\$ (44,190,454)		\$ 56,552,944	\$ (3,447,056)



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Exhibit "D"

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447024	2-Jan-25	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	8,854.94
447025	2-Jan-25	FRANCHISE TAX BOARD	342.00
447026	2-Jan-25	PERS LONG TERM CARE	363.31
447027	9-Jan-25	17302 DAIMLER STREET, LLC	611.35
447028	9-Jan-25	8X8 INC	15,027.80
447029	9-Jan-25	ABUHADHOUD, MARWAN	14.81
447030	9-Jan-25	ACE STAINLESS SUPPLY	72.80
447031	9-Jan-25	ADRIANNE & JON COLEMAN	799.14
447032	9-Jan-25	AIRGAS, INC.	148.08
447033	9-Jan-25	ALAN SMITH POOL PLASTERING, INC	938.38
447034	9-Jan-25	AMAYA SOLUTIONS INC.	10,521.93
447035	9-Jan-25	AMETEK BROOKFIELD	869.68
447036	9-Jan-25	ANTHONY N. LARSEN	820.00
447037	9-Jan-25	AT&T CORP	228.96
447038	9-Jan-25	AT&T CORP	65.32
447039	9-Jan-25	AT&T CORP	4,972.48
447040	9-Jan-25	AUTOZONE PARTS, INC.	332.89
447041	9-Jan-25	BANK OF NEW YORK MELLON TRUST COMPANY NA	2,402.00
447042	9-Jan-25	BATTERY SYSTEMS INC	4,937.94
447043	9-Jan-25	BOUCHER, JERRY	42.44
447044	9-Jan-25	BPS SUPPLY GROUP	2,910.86
447045	9-Jan-25	BRADY CORPORATION	335.48
447046	9-Jan-25	BROOKFIELD RESIDENTIAL	19.55
447047	9-Jan-25	BURNHAM BENEFITS INSURANCE SERVICES, LLC	5,833.33
447048	9-Jan-25	CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION	20,000.00
447049	9-Jan-25	CALIFORNIA PACIFIC HOMES	493.80
447050	9-Jan-25	CALPINE CORPORATION	453,208.25
447051	9-Jan-25	CANON U.S.A., INC.	7,797.25
447052	9-Jan-25	CHEM TECH INTERNATIONAL INC	5,940.22
447053	9-Jan-25	CHEN, YICHUN	16.96
447054	9-Jan-25	CHIU, YU HSI	21.89
447055	9-Jan-25	CITY OF NEWPORT BEACH	2,255.19
447056	9-Jan-25	CITY OF ORANGE	399.54
447057	9-Jan-25	CITY OF SANTA ANA	605.97
447058	9-Jan-25	CLEAN ENERGY	8,323.50
447059	9-Jan-25	CORE & MAIN LP	4,697.90
447060	9-Jan-25	CORELOGIC INC	15.82
447061	9-Jan-25	COX COMMUNICATIONS, INC.	3,534.51
447062	9-Jan-25	CULVER CAR WASH	637.92
447063	9-Jan-25	DASEN, MIAO	52.48
447064	9-Jan-25	DAVID BALLASCH	5,033.07
447065	9-Jan-25	DEERFIELD APTS	652.03
447066	9-Jan-25	DG INVESTMENT INTERMEDIATE HOLDINGS 2, INC.	1,177.00
447067	9-Jan-25	DILUCCHIO, ARTHUR	523.67

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447068	9-Jan-25	DIRECTV INC	159.24
447069	9-Jan-25	DON WILSON BUILDERS	85.21
447070	9-Jan-25	DONALD W TINKLEY	1,489.85
447071	9-Jan-25	DOOSAN BOBCAT NORTH AMERICA INC	32,460.04
447072	9-Jan-25	DOPUDJA & WELLS CONSULTING INC.	3,705.00
447073	9-Jan-25	DOUGLAS ENVIRONMENTAL GROUP INC	1,795.00
447074	9-Jan-25	DRAGOS, INC.	54,707.10
447075	9-Jan-25	DUDLEY RIDGE WATER DISTRICT	22,578.79
447076	9-Jan-25	EAST ORANGE COUNTY WATER DISTRICT	1,938.57
447077	9-Jan-25	ELITE AUTOMOTIVE SERVICE, LLC	227.12
447078	9-Jan-25	ENCORE COWAN LLC #498	1,346.38
447079	9-Jan-25	ENDEMIC ENVIRONMENTAL SERVICES, INC.	2,688.00
447080	9-Jan-25	ENVIRONMENTAL EXPRESS, INC.	1,703.83
447081	9-Jan-25	EPPENDORF NORTH AMERICA INC	119.96
447082	9-Jan-25	FARQHAR, JEANNE	115.11
447083	9-Jan-25	FARRELL PRINTING, INC.	303.95
447084	9-Jan-25	FASTBLUE COMMUNICATIONS INC.	1,988.72
447085	9-Jan-25	FEDEX	456.51
447086	9-Jan-25	FISHER SCIENTIFIC COMPANY, LLC	8,806.58
447087	9-Jan-25	FRONTIER CALIFORNIA INC.	713.50
447088	9-Jan-25	GAO, YU	28.97
447089	9-Jan-25	GARY BALE REDI-MIX CONCRETE, INC.	2,365.10
447090	9-Jan-25	GEA MECHANICAL EQUIPMENT US, INC.	74,133.66
447091	9-Jan-25	GMU GEOTECHNICAL INC	969.00
447092	9-Jan-25	GOFORTH & MARTI	19,883.45
447093	9-Jan-25	GRAYBAR ELECTRIC COMPANY	1,024.04
447094	9-Jan-25	H.S.G. PROFESSIONAL WINDOW CLEANERS, LLC	2,377.00
447095	9-Jan-25	HACH COMPANY	11,542.84
447096	9-Jan-25	HAZEN AND SAWYER	10,457.50
447097	9-Jan-25	HDR ENGINEERING INC	10,667.77
447098	9-Jan-25	HEALEY, PATRICK	66.76
447099	9-Jan-25	HERITAGE FIELDS LLC	195,168.27
447100	9-Jan-25	IDR ENVIRONMENTAL SERVICES	600.00
447101	9-Jan-25	IMPERIAL SPRINKLER SUPPLY, INC.	43.70
447102	9-Jan-25	INDUSTRIAL SCIENTIFIC CORPORATION	5,941.81
447103	9-Jan-25	INFINITY RESIDENTIAL	35.38
447104	9-Jan-25	INTEGRITY MUNICIPAL SYSTEMS LLC	2,862.00
447105	9-Jan-25	IRVINE PACIFIC	761.45
447106	9-Jan-25	IRVINE UNIFIED SCHOOL DISTRICT	499.20
447107	9-Jan-25	J & R CONCRETE PRODUCTS, INC.	5,360.56
447108	9-Jan-25	J.F SHEA CONSTRUCTION INC	1,054.22
447109	9-Jan-25	KAN VENTURES, INC	9,183.92
447110	9-Jan-25	KANIN, VIVIAN	72.32
447111	9-Jan-25	KIANG, JASON	417.56

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447112	9-Jan-25	KIM, RICHARD	25.53
447113	9-Jan-25	LEATHERWOOD CONSTRUCTION INC	1,433.30
447114	9-Jan-25	LEE, YONG	25.97
447115	9-Jan-25	LI, TING	52.52
447116	9-Jan-25	LINDE GAS & EQUIPMENT INC.	5,973.96
447117	9-Jan-25	LOS OLIVOS APARTMENTS	1,985.35
447118	9-Jan-25	LUBRICATION ENGINEERS	955.84
447119	9-Jan-25	LUONG & DAT NGUYEN	11.54
447120	9-Jan-25	MANELIS, MIKHAIL	35.67
447121	9-Jan-25	MC FADDEN-DALE INDUSTRIAL HARDWARE, LLC	110.50
447122	9-Jan-25	MCPHERSON, ALI	43.56
447123	9-Jan-25	MO, FUGUI	73.16
447124	9-Jan-25	NANOPRECISE SCI CORP	36,026.69
447125	9-Jan-25	NATIONWIDE CONTRACTING SERVICE	1,484.00
447126	9-Jan-25	NEUMERIC TECHNOLOGIES CORPORATION	16,500.00
447127	9-Jan-25	NEWAGE INDUSTRIES INC	3,558.50
447128	9-Jan-25	NEWPORT BLUFFS APTS	4,146.36
447129	9-Jan-25	NICK BARBIERI TRUCKING, LLC	6,676.89
447130	9-Jan-25	NOVACOAST INC	87.50
447131	9-Jan-25	OCHOA, MASHA	298.89
447132	9-Jan-25	OKADA, HIDETOSHI	64.48
447133	9-Jan-25	ONESOURCE DISTRIBUTORS, LLC	8,254.51
447134	9-Jan-25	ORANGE COUNTY WINWATER WORKS	2,527.82
447135	9-Jan-25	ORCHARD PARK	1,143.10
447136	9-Jan-25	PACIFIC EH&S SERVICES, INC.	4,020.14
447137	9-Jan-25	PACIFIC HYDROTECH CORPORATION	22,160.46
447138	9-Jan-25	PACIFIC HYDROTECH CORPORATION	421,048.66
447139	9-Jan-25	PACIFIC STAR CHEMICAL, LLC	7,109.74
447140	9-Jan-25	PARK, SARAH	131.16
447141	9-Jan-25	PARKHOUSE TIRE, INC.	1,008.21
447142	9-Jan-25	PARKWOOD APTS	190.40
447143	9-Jan-25	PIERPONT TECHNOLOGIES, LLC	18,913.75
447144	9-Jan-25	PILAR ONATE	23,699.95
447145	9-Jan-25	PLUMBERS DEPOT INC	7,065.61
447146	9-Jan-25	POLLARDWATER.COM	58.66
447147	9-Jan-25	TOM PONTON INDUSTRIES, INC.	29,049.40
447148	9-Jan-25	PORTOLA SPRINGS COMM ASSN	389.02
447149	9-Jan-25	PROMENADE AT LOS OLIVOS II	1,555.20
447150	9-Jan-25	PROTULYAK, OLESSYA	16.96
447151	9-Jan-25	PRUDENTIAL OVERALL SUPPLY	319.00
447152	9-Jan-25	PRZEKLASA, TERENCE	353.32
447153	9-Jan-25	PTI SAND & GRAVEL INC	6,216.51
447154	9-Jan-25	QUADIENT FINANCE USA, INC.	1,094.17
447155	9-Jan-25	REECE SUPPLY LLC	482.94

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447156	9-Jan-25	RENSE, KIRK	29.98
447157	9-Jan-25	RENTOKIL NORTH AMERICA, INC	4,960.00
447158	9-Jan-25	RICHARD C. SLADE & ASSOCIATES LLC	3,817.10
447159	9-Jan-25	ROBERT HALF INC.	4,600.00
447160	9-Jan-25	ROSENBLUM, LEWIS	50.68
447161	9-Jan-25	RYAN HERCO PRODUCTS CORP	1,938.18
447162	9-Jan-25	SAFETY-KLEEN SYSTEMS, INC	262.00
447163	9-Jan-25	SAN MATEO APTS	305.20
447164	9-Jan-25	SAN PAULO APTS	8,150.76
447165	9-Jan-25	SAN REMO APTS	932.00
447166	9-Jan-25	SANTA FE SPRINGS WATER SYSTEMS CO.	12,421.50
447167	9-Jan-25	SANTA MARGARITA FORD	134.58
447168	9-Jan-25	SCA OF CA, LLC	3,283.75
447169	9-Jan-25	SHAMROCK SUPPLY COMPANY, INC.	295.62
447170	9-Jan-25	SHAPOURI, SIMIN	629.64
447171	9-Jan-25	SHAPOURI, ZINAT	200.00
447172	9-Jan-25	SHEN, BRIAN	151.14
447173	9-Jan-25	SHEN, JERRY	45.68
447174	9-Jan-25	SHIMMICK CONSTRUCTION INC.	248,770.06
447175	9-Jan-25	SHOETERIA	511.38
447176	9-Jan-25	SHOKRAI, KAREN	75.00
447177	9-Jan-25	SI MANAGEMENT, INC	78,440.00
447178	9-Jan-25	SITEONE LANDSCAPE SUPPLY, LLC	281.66
447179	9-Jan-25	SOCAL SCADA SOLUTIONS LLC	57,917.50
447180	9-Jan-25	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	1,414.00
447181	9-Jan-25	SOUTH COAST WATER CO.	100.00
447182	9-Jan-25	SOUTHERN CALIFORNIA EDISON COMPANY	671,467.96
447183	9-Jan-25	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.	77.43
447184	9-Jan-25	SPARKLETTS	300.33
447185	9-Jan-25	SRK ENGINEERING INC	1,513.90
447186	9-Jan-25	STANTEC CONSULTING SERVICES INC.	5,656.00
447187	9-Jan-25	STERIS CORPORATION	8,339.35
447188	9-Jan-25	STEWART, DONNA	36.90
447189	9-Jan-25	SYNAGRO-WWT, INC.	157,499.74
447190	9-Jan-25	TAIT ENVIRONMENTAL SERVICES, INC.	675.00
447191	9-Jan-25	TANKVISIONS, INC	30.00
447192	9-Jan-25	TASSIN SCIENTIFIC SERVICES	1,388.25
447193	9-Jan-25	TAYLOR MORRISON OF CALIFORNIA, LLC	153.30
447194	9-Jan-25	THE BOYD GROUP US INC	1,647.11
447195	9-Jan-25	THE NEW HOME COMPANY SOUTHERN CALIFORNIA LLC	2,060.60
447196	9-Jan-25	THIRKETTLE CORPORATION	3,627.15
447197	9-Jan-25	TIC-IPG-COMMON	288.35
447198	9-Jan-25	TIC-OFFICE PROPERTIES	229.60
447199	9-Jan-25	TIC-SPECTRUM OFFICE	5,631.25

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447200	9-Jan-25	TK ELEVATOR CORPORATION	2,642.38
447201	9-Jan-25	TOLL BROS. INC.	1,843.79
447202	9-Jan-25	TOP TEN REAL ESTATE INC	78.78
447203	9-Jan-25	TRENCH SHORING COMPANY	16,102.80
447204	9-Jan-25	UNITED PARCEL SERVICE INC	143.29
447205	9-Jan-25	UNITED RENTALS (NORTH AMERICA), INC.	1,296.98
447206	9-Jan-25	UNITED SITE SERVICES OF CALIFORNIA INC	1,142.25
447207	9-Jan-25	US BANK NAT'L ASSOCIATION NORTH DAKOTA	66,639.92
447208	9-Jan-25	US JETTING LLC	101.36
447209	9-Jan-25	USA BLUEBOOK	398.15
447210	9-Jan-25	USA WASTE OF CALIFORNIA, INC.	685.80
447211	9-Jan-25	VEOLIA WATER TECHNOLOGIES TREATMENT SOLUTIONS USA INC.	9,427.70
447212	9-Jan-25	VERIZON WIRELESS SERVICES LLC	18,422.51
447213	9-Jan-25	VINCE TURSINI	2,593.00
447214	9-Jan-25	VISTA PAINT CORPORATION	934.19
447215	9-Jan-25	VULCAN MATERIALS COMPANY	2,546.59
447216	9-Jan-25	VYAIR MEDICAL	2,710.49
447217	9-Jan-25	WALTERS WHOLESALE ELECTRIC CO	1,454.63
447218	9-Jan-25	WARD, WILLIAM P JR.	1,541.79
447219	9-Jan-25	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	6,549.25
447220	9-Jan-25	WATER MANAGEMENT GROUP	990.00
447221	9-Jan-25	WAXIE'S ENTERPRISES, LLC	1,804.96
447222	9-Jan-25	WOODBIDGE PINES APTS	1,686.07
447223	9-Jan-25	WOODBIDGE VILLAS	2,145.29
447224	9-Jan-25	XAYAVONG, MARYLYN	24.57
447225	9-Jan-25	XU, KAIJING	21.51
447226	9-Jan-25	ZEBRON CONTRACTING INC	69,955.00
447227	9-Jan-25	ZHANG, WEISHUI	110.16
447228	9-Jan-25	ZHANG, YONGMEI	49.04
447229	9-Jan-25	ZITTEL, ERIC	16.95
447230	9-Jan-25	CONTINENTAL AMERICAN INSURANCE COMPANY	2,321.86
447231	9-Jan-25	HUMANA INSURANCE COMPANY	209.60
447232	9-Jan-25	Norman, Tammy	489.59
447233	9-Jan-25	PALO VERDE IRRIGATION DISTRICT	7,112.50
447234	9-Jan-25	STATE OF CALIFORNIA	6.00
447235	9-Jan-25	STATE WATER RESOURCES CONTROL BOARD	370,506.56
447236	9-Jan-25	UNITED HEALTHCARE INSURANCE COMPANY	742.50
447237	9-Jan-25	UNITED STATES POSTAL SERVICE	3,480.00
447238	16-Jan-25	11:11 SYSTEMS INC.	6,382.50
447239	16-Jan-25	ADS CORP.	2,781.00
447240	16-Jan-25	AIRGAS, INC.	1,956.31
447241	16-Jan-25	ALLIANCE APPRAISAL, LLC	3,500.00
447242	16-Jan-25	ANDRITZ SEPARATION, INC.	18,800.70
447243	16-Jan-25	WRIGHT, ANNE	300.00

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447244	16-Jan-25	ARAKELIAN ENTERPRISES, INC.	13,272.70
447245	16-Jan-25	ASHFORD, WALT	389.31
447246	16-Jan-25	AT&T CORP	59.12
447247	16-Jan-25	AUTOZONE PARTS, INC.	38.88
447248	16-Jan-25	BERKELEY ENGINEERING AND RESEARCH, INC.	5,000.00
447249	16-Jan-25	BLOOMBERG FINANCE LP	7,500.00
447250	16-Jan-25	BOFA SECURITIES, INC.	11,336.61
447251	16-Jan-25	BRUCE HADLEY NEWELL	2,500.00
447252	16-Jan-25	BUTIER ENGINEERING INC	13,320.00
447253	16-Jan-25	CALIFORNIA PACIFIC HOMES	29.32
447254	16-Jan-25	CALPINE CORPORATION	369,792.68
447255	16-Jan-25	CALTROL, INC.	12,224.01
447256	16-Jan-25	CANON FINANCIAL SERVICES, INC.	12,575.04
447257	16-Jan-25	CANON U.S.A., INC.	8.06
447258	16-Jan-25	CAO, MING	45.94
447259	16-Jan-25	CART MART INC.	93.27
447260	16-Jan-25	CHEM TECH INTERNATIONAL INC	6,020.30
447261	16-Jan-25	CLIFFORD MORIYAMA	5,000.00
447262	16-Jan-25	COMMERCIAL DOOR OF ORANGE COUNTY, INC.	2,108.27
447263	16-Jan-25	CORELOGIC INC	608.79
447264	16-Jan-25	COXCO LLC	12,916.93
447265	16-Jan-25	CR & R INCORPORATED	907.80
447266	16-Jan-25	CURATIVE I.T. LLC	3,497.54
447267	16-Jan-25	CYBRARY, INC.	3,206.25
447268	16-Jan-25	DAWN BUCKINGHAM	700.00
447269	16-Jan-25	DBAC INC	25.00
447270	16-Jan-25	DEALERS SERVICE COMPANY, INC	646.99
447271	16-Jan-25	DELL MARKETING LP	2,633.53
447272	16-Jan-25	BRADLEY, DENISE	150.00
447273	16-Jan-25	DG INVESTMENT INTERMEDIATE HOLDINGS 2, INC.	878.00
447274	16-Jan-25	DISCOVERY SCIENCE CENTER OF ORANGE COUNTY	4,570.40
447275	16-Jan-25	ELIJAH STANDING WARRIOR	600.00
447276	16-Jan-25	ENVIRONMENTAL RESOURCE ASSOCIATES, INC.	281.48
447277	16-Jan-25	ENVIRONMENTAL SCIENCE ASSOCIATES	2,216.19
447278	16-Jan-25	ROMO, ERNIE	500.00
447279	16-Jan-25	FARID JAZAYERI	2,400.00
447280	16-Jan-25	FEDEX	344.79
447281	16-Jan-25	FELD, SEAN E	83.46
447282	16-Jan-25	FISHER SCIENTIFIC COMPANY, LLC	2,013.58
447283	16-Jan-25	GARZA INDUSTRIES, INC	1,766.67
447284	16-Jan-25	GEORGE HILLS COMPANY, INC.	253.80
447285	16-Jan-25	GOLDEN STAR TECHNOLOGY, INC.	19,370.63
447286	16-Jan-25	GOLDMAN, SACHS & CO. LLC	18,229.07
447287	16-Jan-25	GOVERNMENTJOBS.COM, INC.	12,235.01

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447288	16-Jan-25	GSRP ST SOLAR I LLC	7,572.35
447289	16-Jan-25	HACH COMPANY	2,508.80
447290	16-Jan-25	HAMILTON, KURT	3,293.88
447291	16-Jan-25	HUNGMOU LIN AND LIEN SU CHU LIN	29.77
447292	16-Jan-25	IDR ENVIRONMENTAL SERVICES	600.00
447293	16-Jan-25	INFOSEND, INC.	36,296.94
447294	16-Jan-25	INNOVATIVE CONSTRUCTION SOLUTIONS	675,141.25
447295	16-Jan-25	IRIS GROUP HOLDINGS LLC	132.96
447296	16-Jan-25	JAMES PRODUCTIONS, INC.	4,660.00
447297	16-Jan-25	JASON LI	1,000.00
447298	16-Jan-25	JOHN ROBINSON CONSULTING, INC.	30,850.00
447299	16-Jan-25	JT THORPE & SON, INC	35,871.55
447300	16-Jan-25	NENTWIG, JUDITH	150.00
447301	16-Jan-25	KAN VENTURES, INC	8,579.95
447302	16-Jan-25	LEATHERWOOD CONSTRUCTION INC	2,600.00
447303	16-Jan-25	LINDE GAS & EQUIPMENT INC.	21,765.71
447304	16-Jan-25	LONGABARDI, STEVE	26.46
447305	16-Jan-25	LU'S LIGHTHOUSE, INC.	80.22
447306	16-Jan-25	LUBRICATION ENGINEERS	8,036.28
447307	16-Jan-25	MAO, KEVIN	220.72
447308	16-Jan-25	MC MASTER-CARR SUPPLY COMPANY	1,413.80
447309	16-Jan-25	MICHAEL K. NUNLEY & ASSOCIATES, INC.	3,383.50
447310	16-Jan-25	MILES CHEMICAL COMPANY, INC.	13,186.06
447311	16-Jan-25	MISSION COMMUNICATIONS, LLC	15,147.80
447312	16-Jan-25	MUNOZ, AUBREY	94.49
447313	16-Jan-25	MUTUAL PROPANE	139.94
447314	16-Jan-25	NEW DIMENSION GENERAL CONSTRUCTION, INC.	67,190.40
447315	16-Jan-25	NMG GEOTECHNICAL INC	1,832.80
447316	16-Jan-25	NORTHWOOD PLACE APTS	1,926.40
447317	16-Jan-25	OCTA	1,837.00
447318	16-Jan-25	ONESOURCE DISTRIBUTORS, LLC	2,711.20
447319	16-Jan-25	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT	178.80
447320	16-Jan-25	P&M HOLDING GROUP, LLP	53,966.00
447321	16-Jan-25	PACIFIC EH&S SERVICES, INC.	6,859.70
447322	16-Jan-25	PACIFIC HYDROTECH CORPORATION	294,833.69
447323	16-Jan-25	PACIFIC HYDROTECH CORPORATION	969.68
447324	16-Jan-25	PACIFIC HYDROTECH CORPORATION	14,547.88
447325	16-Jan-25	PARK WEST LANDSCAPE MAINTENANCE	3,007.78
447326	16-Jan-25	PLUMBERS DEPOT INC	29,490.33
447327	16-Jan-25	PRUDENTIAL OVERALL SUPPLY	11,249.90
447328	16-Jan-25	R C FOSTER CORPORATION	471,977.85
447329	16-Jan-25	RESTEK CORPORATION	1,446.90
447330	16-Jan-25	RINCON CONSULTANTS, INC.	1,296.25
447331	16-Jan-25	ROBERTS ROOFING INC	5,300.00

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

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447332	16-Jan-25	SAND CANYON MEDICAL GROUP	400.00
447333	16-Jan-25	GOPALAKRISHNAN, SANGEETHA	300.00
447334	16-Jan-25	SANTA MARGARITA FORD	307.85
447335	16-Jan-25	SCHINDLER ELEVATOR CORPORATION	347.26
447336	16-Jan-25	SEAL ANALYTICAL INC	728.82
447337	16-Jan-25	SHAMROCK SUPPLY COMPANY, INC.	376.27
447338	16-Jan-25	SIMPPLR INC.	80,621.79
447339	16-Jan-25	SOUTH COAST WATER DISTRICT	1,279.00
447340	16-Jan-25	SOUTHERN CALIFORNIA EDISON COMPANY	15.93
447341	16-Jan-25	SOUTHERN CALIFORNIA GAS COMPANY	43.85
447342	16-Jan-25	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.	455.33
447343	16-Jan-25	SS MECHANICAL CONSTRUCTION CORP	222,075.80
447344	16-Jan-25	T2 UES, INC.	3,655.00
447345	16-Jan-25	TAIT ENVIRONMENTAL SERVICES, INC.	675.00
447346	16-Jan-25	THE NEW HOME COMPANY SOUTHERN CALIFORNIA LLC	910.93
447347	16-Jan-25	THERMO ELECTRON NORTH AMERICA LLC	288.66
447348	16-Jan-25	THIRKETTLE CORPORATION	16,961.18
447349	16-Jan-25	TOM'S TRUCK CENTER NORTH COUNTY, LLC	392.47
447350	16-Jan-25	TOTAL SAFETY U.S., INC.	1,254.80
447351	16-Jan-25	TRENCH SHORING COMPANY	4,878.92
447352	16-Jan-25	UNITED PARCEL SERVICE INC	84.37
447353	16-Jan-25	UNIVAR SOLUTIONS USA , LLC	10,334.20
447354	16-Jan-25	US BANK NAT'L ASSOC N.DAKOTA	7,478.14
447355	16-Jan-25	VILLAGE INVESTMENTS	477.77
447356	16-Jan-25	VWR FUNDING, INC.	960.33
447357	16-Jan-25	VYAIR MEDICAL	1,587.96
447358	16-Jan-25	WALTERS WHOLESALE ELECTRIC CO	6,511.21
447359	16-Jan-25	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	4,528.86
447360	16-Jan-25	WAXIE'S ENTERPRISES, LLC	1,736.79
447361	16-Jan-25	WESTAIR GASES & EQUIPMENT, INC.	29.76
447362	16-Jan-25	WESTERN WEATHER GROUP INC	3,700.00
447363	16-Jan-25	YUNMI MARTIN	7,750.00
447364	16-Jan-25	ZHANG, CHEN	22.96
447365	16-Jan-25	AIR RESOURCES BOARD	110.00
447366	16-Jan-25	AMERICAN FAMILY LIFE ASSURANCE COMPANY OF COLUMBUS	2,920.34
447367	16-Jan-25	ANTHEM BLUE CROSS	337.32
447368	16-Jan-25	CITY OF LAKE FOREST	246,811.89
447369	16-Jan-25	FRANCHISE TAX BOARD	342.00
447370	16-Jan-25	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	8,772.14
447371	16-Jan-25	JOHNSON, NANCY SUE	10,000.00
447372	16-Jan-25	PERS LONG TERM CARE	399.66
447373	16-Jan-25	QUADIENT FINANCE USA, INC.	1,576.74
447374	16-Jan-25	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	2,462.94
447375	23-Jan-25	AGILENT TECHNOLOGIES, INC.	1,831.16

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

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447376	23-Jan-25	AIR TECHNOLOGY LABORATORIES	289.00
447377	23-Jan-25	AMBROSE APTS	2,523.25
447378	23-Jan-25	AT&T CORP	165.87
447379	23-Jan-25	AT&T CORP	6,828.76
447380	23-Jan-25	AT&T CORP	174.03
447381	23-Jan-25	AUTOZONE PARTS, INC.	236.99
447382	23-Jan-25	BACCHUS SIGNATURE SERIES	26.72
447383	23-Jan-25	BEADOR CONSTRUCTION COMPANY INC	1,356.60
447384	23-Jan-25	BEST DRILLING AND PUMP, INC.	57,665.00
447385	23-Jan-25	BPS SUPPLY GROUP	2,254.49
447386	23-Jan-25	BROOKFIELD RESIDENTIAL	108.36
447387	23-Jan-25	BRTIS, MATTHEW	585.39
447388	23-Jan-25	BURNHAM BENEFITS INSURANCE SERVICES, LLC	11,666.66
447389	23-Jan-25	CALIFORNIA PACIFIC HOMES	97.99
447390	23-Jan-25	CHARLES P CROWLEY COMPANY INC	4,054.86
447391	23-Jan-25	CHEM TECH INTERNATIONAL INC	7,298.72
447392	23-Jan-25	D & H WATER SYSTEMS INC.	4,533.69
447393	23-Jan-25	DELL MARKETING LP	397.90
447394	23-Jan-25	DILYTICS INC	5,580.00
447395	23-Jan-25	DMS FACILITY SERVICES, LLC	928.00
447396	23-Jan-25	DOPUDJA & WELLS CONSULTING INC.	7,588.75
447397	23-Jan-25	EATON CORPORATION	14,618.50
447398	23-Jan-25	ECO SERVICES LLC	6,980.70
447399	23-Jan-25	EDUARD TISTEA AND IONICA TISTEA	330.92
447400	23-Jan-25	ENDEMIC ENVIRONMENTAL SERVICES, INC.	1,344.00
447401	23-Jan-25	ENVIRONMENTAL EXPRESS, INC.	979.58
447402	23-Jan-25	FEDEX	311.28
447403	23-Jan-25	FIERRO, SERGIO D	4,662.00
447404	23-Jan-25	FIRE EXTINGUISHING SAFETY & SERVICE	1,184.58
447405	23-Jan-25	FISHER SCIENTIFIC COMPANY, LLC	33.44
447406	23-Jan-25	FRONTIER CALIFORNIA INC.	93.24
447407	23-Jan-25	GOLDEN BELL PRODUCTS	33,736.50
447408	23-Jan-25	GREENLEAF ENGINEERING INC	2,552.93
447409	23-Jan-25	HACH COMPANY	5,197.44
447410	23-Jan-25	HAMILTON, KURT	1,007.91
447411	23-Jan-25	HARRINGTON INDUSTRIAL PLASTICS LLC	2,247.73
447412	23-Jan-25	HENSEL PHELPS CONSTRUCTION CO	964.77
447413	23-Jan-25	HERNANDEZ, LUIS	16.47
447414	23-Jan-25	HITCHENS, DEAN	56.16
447415	23-Jan-25	INFOSEND, INC.	21,138.90
447416	23-Jan-25	KELE INC	338.40
447417	23-Jan-25	KHALILI, ELLIE	456.05
447418	23-Jan-25	KIM, DOYEOP	650.86
447419	23-Jan-25	KIM, SUSIE	232.34

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

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447420	23-Jan-25	LENNAR HOMES OF CALIFORNIA, INC.	144.51
447421	23-Jan-25	LI, LIANG	28.48
447422	23-Jan-25	LIE, YULIAN	465.86
447423	23-Jan-25	LINDE GAS & EQUIPMENT INC.	4,218.68
447424	23-Jan-25	LOZANO SMITH, LLP	189.00
447425	23-Jan-25	LUZAR, JEFF	131.03
447426	23-Jan-25	MALATSKEY, ANDREW	781.65
447427	23-Jan-25	MC FADDEN-DALE INDUSTRIAL HARDWARE, LLC	231.88
447428	23-Jan-25	MICHAEL K. NUNLEY & ASSOCIATES, INC.	3,300.50
447429	23-Jan-25	MITCHELL GENERAL CONTRACTORS INC	486.20
447430	23-Jan-25	MOULTON NIGUEL WATER DISTRICT	423.03
447431	23-Jan-25	NALCO COMPANY LLC	1,465.82
447432	23-Jan-25	NEWPORT BLUFFS APTS	3,248.92
447433	23-Jan-25	NGUYEN, SI	45.06
447434	23-Jan-25	NINYO & MOORE	2,226.50
447435	23-Jan-25	NORIMA CONSULTING US	9,620.00
447436	23-Jan-25	NORTHWOOD PARK APTS	1,379.60
447437	23-Jan-25	O'REILLY AUTO ENTERPRISES, LLC	118.56
447438	23-Jan-25	ONESOURCE DISTRIBUTORS, LLC	354.13
447439	23-Jan-25	ORANGE COUNTY WINWATER WORKS	8,368.99
447440	23-Jan-25	OUTSOURCE TECHNICAL LLC	1,785.00
447441	23-Jan-25	PACIFIC CITY PROPERTIES	15.45
447442	23-Jan-25	PALP INC. DBA EXCEL PAVING COMPANY	539,454.85
447443	23-Jan-25	PAVEWEST, INC.	13,992.80
447444	23-Jan-25	PINNACLE TOWERS LLC	947.99
447445	23-Jan-25	PLUMBERS DEPOT INC	4,874.88
447446	23-Jan-25	PREMIER PAVING INC.	2,684.60
447447	23-Jan-25	PTI SAND & GRAVEL INC	1,701.28
447448	23-Jan-25	PULTZ, DAVID	784.31
447449	23-Jan-25	QUINN COMPANY	522,323.52
447450	23-Jan-25	RAILPROS FIELD SERVICES INC.	8,034.00
447451	23-Jan-25	RANCHO MONTEREY APARTMENTS	2,223.41
447452	23-Jan-25	REAL WATER CONSULTANTS INC.	10,750.00
447453	23-Jan-25	REALTECH CONTROLS, LLC	2,759.98
447454	23-Jan-25	REECE SUPPLY LLC	716.25
447455	23-Jan-25	RETURN TO WORK PARTNERS INC.	9,950.00
447456	23-Jan-25	SAND CANYON MEDICAL GROUP	291.00
447457	23-Jan-25	SECARD, DEBORAH	25.48
447458	23-Jan-25	SECURITAS SECURITY SERVICES USA, INC.	81,991.03
447459	23-Jan-25	SOMERSET APARTMENTS	213.20
447460	23-Jan-25	SONAWANE, MRUDUL SHAILESH	15.98
447461	23-Jan-25	SOUTHERN CALIFORNIA EDISON COMPANY	458,462.99
447462	23-Jan-25	SOUTHERN CALIFORNIA EDISON COMPANY	70.97
447463	23-Jan-25	SOUTHERN CALIFORNIA GAS COMPANY	32,577.10

IRVINE RANCH WATER DISTRICT
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447464	23-Jan-25	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.	1,151.16
447465	23-Jan-25	SPERBER LANDSCAPE COMPANIES	3,906.41
447466	23-Jan-25	SS MECHANICAL CONSTRUCTION CORP	11,046.91
447467	23-Jan-25	SYNAGRO-WWT, INC.	120,463.87
447468	23-Jan-25	THE IRVINE COMPANY	1,553.58
447469	23-Jan-25	THE NEW HOME COMPANY SOUTHERN CALIFORNIA LLC	24.77
447470	23-Jan-25	TIC-SPECTRUM OFFICE	173.60
447471	23-Jan-25	TIERRA VERDE INDUSTRIES	201.49
447472	23-Jan-25	TRENCH SHORING COMPANY	468.98
447473	23-Jan-25	TRI COUNTY PUMP COMPANY	96,789.03
447474	23-Jan-25	UNITED SITE SERVICES OF CALIFORNIA INC	1,142.25
447475	23-Jan-25	USA WASTE OF CALIFORNIA, INC.	708.66
447476	23-Jan-25	V&A CONSULTING ENGINEERS	13,945.20
447477	23-Jan-25	VERIZON WIRELESS SERVICES LLC	179.32
447478	23-Jan-25	VILLA CORONADO APTS	5,477.77
447479	23-Jan-25	VINCE TURSINI	269.00
447480	23-Jan-25	VU, JAMES	531.09
447481	23-Jan-25	VULCAN MATERIALS COMPANY	2,119.90
447482	23-Jan-25	VWR FUNDING, INC.	1,154.57
447483	23-Jan-25	WANG, NING-LAN	28.97
447484	23-Jan-25	WAXIE'S ENTERPRISES, LLC	2,187.52
447485	23-Jan-25	WEST YOST & ASSOCIATES, INC.	3,250.00
447486	23-Jan-25	YU, JOHNATHAN	5.00
447487	23-Jan-25	ZEBRON CONTRACTING INC	8,650.00
447488	23-Jan-25	ANTHEM BLUE CROSS	337.32
447489	23-Jan-25	COUNTY OF ORANGE	203.72
447490	23-Jan-25	FABER, SEAN MICHAEL-TYLER	5,000.00
447491	23-Jan-25	Valdes, Jeffrey Glenn	108.36
447492	30-Jan-25	AGILENT TECHNOLOGIES, INC.	1,268.64
447493	30-Jan-25	AIR TECHNOLOGY LABORATORIES	717.00
447494	30-Jan-25	AIRGAS, INC.	1,899.26
447495	30-Jan-25	ALLIANCE APPRAISAL, LLC	3,500.00
447496	30-Jan-25	AMBROSE APTS	167.56
447497	30-Jan-25	AMERICAN FAMILY INSURANCE CLAIMS SERVICES INC	4,879.44
447498	30-Jan-25	APCO GRAPHICS INC	333.89
447499	30-Jan-25	ASSOCIATION OF CALIFORNIA WATER AGENCIES	51,955.00
447500	30-Jan-25	AT&T CORP	7,733.61
447501	30-Jan-25	AT&T CORP	6,657.00
447502	30-Jan-25	AUTOZONE PARTS, INC.	231.65
447503	30-Jan-25	B & H PHOTO VIDEO	3,001.30
447504	30-Jan-25	BELLEWICK COMMUNITY ASSOCIATION	386.25
447505	30-Jan-25	BORCHARD SURVEYING & MAPPING, INC.	5,660.00
447506	30-Jan-25	BPS SUPPLY GROUP	6,335.04
447507	30-Jan-25	CABERO, ALEXIS	278.68

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447508	30-Jan-25	CAL MICROTURBINE, INC.	3,340.00
447509	30-Jan-25	CALPINE CORPORATION	406,233.37
447510	30-Jan-25	CHAVEZ, FIDEL	57.76
447511	30-Jan-25	CHEMTREC	1,000.00
447512	30-Jan-25	CITY CIRCUIT BREAKERS	279.07
447513	30-Jan-25	CITY OF NEWPORT BEACH	2,273.95
447514	30-Jan-25	CITY OF TUSTIN	335.55
447515	30-Jan-25	COASTLINE EQUIPMENT COMPANY	595.74
447516	30-Jan-25	CONFLUENCE ENVIRONMENTAL, INC	44,050.00
447517	30-Jan-25	COUNTY OF ORANGE	720.35
447518	30-Jan-25	CUNNINGHAM DAVIS CORPORATION	1,597.10
447519	30-Jan-25	DAIOHS USA INCORPORATED	2,799.74
447520	30-Jan-25	DC FROST ASSOCIATES, INC	1,540.12
447521	30-Jan-25	DCS MANAGEMENT LLC	1,056.31
447522	30-Jan-25	DELL MARKETING LP	19,984.83
447523	30-Jan-25	DELREY APARTMENTS	240.40
447524	30-Jan-25	DG INVESTMENT INTERMEDIATE HOLDINGS 2, INC.	1,895.29
447525	30-Jan-25	DIRECTV INC	152.99
447526	30-Jan-25	DMS FACILITY SERVICES, LLC	37,063.09
447527	30-Jan-25	DXP ENTERPRISES, INC.	13,198.38
447528	30-Jan-25	ENEL X ADVISORY SERVICES NORTH AMERICA, INC.	3,000.00
447529	30-Jan-25	ENVIRONMENTAL EXPRESS, INC.	94.01
447530	30-Jan-25	EUROFINS EATON ANALYTICAL, INC.	6,511.25
447531	30-Jan-25	FEDEX	262.47
447532	30-Jan-25	FISHER SCIENTIFIC COMPANY, LLC	2,480.82
447533	30-Jan-25	FLW SERVICE CORPORATION	1,765.27
447534	30-Jan-25	FRONTIER CALIFORNIA INC.	658.48
447535	30-Jan-25	GRAYBAR ELECTRIC COMPANY	1,096.24
447536	30-Jan-25	GUIDA SURVEYING INC.	1,290.20
447537	30-Jan-25	HACH COMPANY	9,363.19
447538	30-Jan-25	HI-LINE INC	415.97
447539	30-Jan-25	ICE QUBE, INC.	1,954.61
447540	30-Jan-25	INTERNATIONAL E-Z UP, INC.	1,031.39
447541	30-Jan-25	IRON MOUNTAIN INFORMATION MANAGEMENT INC	1,184.77
447542	30-Jan-25	JUST ENERGY SOLUTIONS INC.	131.71
447543	30-Jan-25	LEE & RO, INC.	14,432.00
447544	30-Jan-25	LINDE GAS & EQUIPMENT INC.	1,982.20
447545	30-Jan-25	LU'S LIGHTHOUSE, INC.	4,046.23
447546	30-Jan-25	LUBRICATION ENGINEERS	5,479.06
447547	30-Jan-25	MAP COMMUNICATIONS, INC.	1,605.21
447548	30-Jan-25	MBK ENGINEERS	9,387.00
447549	30-Jan-25	MC FADDEN-DALE INDUSTRIAL HARDWARE, LLC	1.73
447550	30-Jan-25	MC MASTER-CARR SUPPLY COMPANY	1,080.09
447551	30-Jan-25	MILES CHEMICAL COMPANY, INC.	14,949.04

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447552	30-Jan-25	MISSION COMMUNICATIONS, LLC	626.00
447553	30-Jan-25	MR CRANE INC	1,667.50
447554	30-Jan-25	NATIONAL READY MIXED CONCRETE SALES, LLC	2,039.09
447555	30-Jan-25	NINYO & MOORE	5,199.25
447556	30-Jan-25	NMG GEOTECHNICAL INC	13,972.00
447557	30-Jan-25	OAK GLEN APTS	1,336.15
447558	30-Jan-25	ONESOURCE DISTRIBUTORS, LLC	10,918.74
447559	30-Jan-25	ORACLE AMERICA, INC.	9,443.25
447560	30-Jan-25	OSI HARDWARE, INC.	3,028.44
447561	30-Jan-25	OUTSOURCE TECHNICAL LLC	4,488.00
447562	30-Jan-25	PACIFIC EH&S SERVICES, INC.	1,196.38
447563	30-Jan-25	PACIFIC MECHANICAL SUPPLY	786.15
447564	30-Jan-25	PARK WEST APTS	16,381.87
447565	30-Jan-25	PARKHOUSE TIRE, INC.	2,774.84
447566	30-Jan-25	PAYMENTUS CORPORATION	76,136.06
447567	30-Jan-25	PHENIX ENTERPRISES, INC	335.93
447568	30-Jan-25	PLUMBERS DEPOT INC	14,018.94
447569	30-Jan-25	PREFERRED PAVING CO	1,747.25
447570	30-Jan-25	PTI SAND & GRAVEL INC	2,898.98
447571	30-Jan-25	QUAIL MEADOW APARTMENTS	194.40
447572	30-Jan-25	R.F. MACDONALD CO., LLC	3,950.00
447573	30-Jan-25	R.J. NOBLE COMPANY	26,862.50
447574	30-Jan-25	REECE SUPPLY LLC	1,980.42
447575	30-Jan-25	RETURN TO WORK PARTNERS INC.	4,050.00
447576	30-Jan-25	RINCON CONSULTANTS, INC.	4,358.61
447577	30-Jan-25	RODNEY HARMSWORTH ASSOCIATES, INC.	6,206.63
447578	30-Jan-25	SAN LEON APTS	173.60
447579	30-Jan-25	SAN REMO APTS	201.60
447580	30-Jan-25	SAND CANYON MEDICAL GROUP	95.00
447581	30-Jan-25	SANTA ROSA APARTMENTS	204.00
447582	30-Jan-25	SEAL ANALYTICAL INC	2,358.43
447583	30-Jan-25	SHAMROCK SUPPLY COMPANY, INC.	882.85
447584	30-Jan-25	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	7,004.26
447585	30-Jan-25	SOUTHERN CALIFORNIA EDISON COMPANY	145,093.18
447586	30-Jan-25	SOUTHERN CALIFORNIA GAS COMPANY	335.13
447587	30-Jan-25	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.	1,578.69
447588	30-Jan-25	SPARLING INSTRUMENTS LLC	3,767.38
447589	30-Jan-25	SS MECHANICAL CONSTRUCTION CORP	22,800.00
447590	30-Jan-25	STANFORD COURT APARTMENTS	201.60
447591	30-Jan-25	TAIT ENVIRONMENTAL SERVICES, INC.	480.00
447592	30-Jan-25	TECH DATA CORPORATION	21,660.98
447593	30-Jan-25	THE NEW HOME COMPANY SOUTHERN CALIFORNIA LLC	386.03
447594	30-Jan-25	THIRKETTLE CORPORATION	11,307.46
447595	30-Jan-25	TIC-OFFICE PROPERTIES	2,562.07

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
447596	30-Jan-25	TIC-SPECTRUM OFFICE	42.00
447597	30-Jan-25	TROJAN TECHNOLOGIES CORP.	345.00
447598	30-Jan-25	TROUNG, HAI	518.23
447599	30-Jan-25	TURTLE ROCK CANYON APTS	52.84
447600	30-Jan-25	TUTTLE-CLICK FORD LINCOLN	134,307.53
447601	30-Jan-25	UNITED PARCEL SERVICE INC	332.79
447602	30-Jan-25	UNITED SITE SERVICES OF CALIFORNIA INC	361.33
447603	30-Jan-25	UNIVAR SOLUTIONS USA , LLC	10,514.80
447604	30-Jan-25	US BANK NAT'L ASSOCIATION NORTH DAKOTA	50,856.55
447605	30-Jan-25	VILLA SIENA APTS	190.40
447606	30-Jan-25	VISTA PAINT CORPORATION	1,502.37
447607	30-Jan-25	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	3,762.33
447608	30-Jan-25	WAXIE'S ENTERPRISES, LLC	397.10
447609	30-Jan-25	WEINGARTNER, THOMAS	32.03
447610	30-Jan-25	XINYU ZHANG AND JIAN ZHEN LI	15.75
447611	30-Jan-25	YAMANAKA, RYAN	200.00
447612	30-Jan-25	AMERICAN FAMILY LIFE ASSURANCE COMPANY OF COLUMBUS	4,252.94
447613	30-Jan-25	CONTINENTAL AMERICAN INSURANCE COMPANY	2,081.68
447614	30-Jan-25	Cronin, Gregory	218.21
447615	30-Jan-25	FRANCHISE TAX BOARD	342.00
447616	30-Jan-25	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	18.74
447617	30-Jan-25	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	10,572.10
447618	30-Jan-25	PERS LONG TERM CARE	399.66
447619	30-Jan-25	ROMAN CATHOLIC BISHOP OF ORANGE	85,155.64
SUB-TOTAL IRWD WELLS FARGO CHECK AND IRWD WELLS FARGO CHECK NO PRINT DISBURSEMENTS			10,371,845.65

1005218	9-Jan-25	Barounis, Demetra	24.25
1005219	9-Jan-25	Bosley, Kelleen M	14.74
1005220	9-Jan-25	Bronstein, Louis (Lou)	218.69
1005221	9-Jan-25	Cervantes, Angel	26.80
1005222	9-Jan-25	Chaney, David (Dave)	14.42
1005223	9-Jan-25	Chaney, Michael A (Michael)	21.70
1005224	9-Jan-25	Compton, Christine A	142.44
1005225	9-Jan-25	Contreras, Joaquin	85.62
1005226	9-Jan-25	Cunningham, Laura S	43.35
1005227	9-Jan-25	Daniel, Matthew (Matthew)	43.09
1005228	9-Jan-25	Gates, Laura	16.88
1005229	9-Jan-25	Greer, Matthew	34.04
1005230	9-Jan-25	Groves, Benjamin Robert	218.28
1005231	9-Jan-25	Haug, Jack Philip Ryan	100.80
1005232	9-Jan-25	Jordan, Dawn M (Dawn)	14.74
1005233	9-Jan-25	Lopez, Miguel	34.28
1005234	9-Jan-25	Madding, Joshua	285.81
1005235	9-Jan-25	Meripol, Robert	170.00

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1005236	9-Jan-25	Nguyen, Jeanny	45.42
1005237	9-Jan-25	Orozco, Gustavo A (Gus)	118.83
1005238	9-Jan-25	Pham, Amie	12.46
1005239	9-Jan-25	Ramirez, Eric	92.72
1005240	9-Jan-25	Richardson, Kyle	44.13
1005241	9-Jan-25	Saldana Rodriguez, Cristina	103.07
1005242	9-Jan-25	Shapiro, Matthew	58.29
1005243	9-Jan-25	Stupy, Cole Austin	16.80
1005244	9-Jan-25	Valencia, Reynaldo (Rey)	29.41
1005245	9-Jan-25	Velez, Cameron Joseph	30.82
1005246	9-Jan-25	Villalta, Jonathan	39.53
1005247	9-Jan-25	Villella, Aaren	113.64
1005248	9-Jan-25	Vu, Johnny T (Johnny)	19.43
1005294	16-Jan-25	Bosley, Kelleen M	15.40
1005295	16-Jan-25	Contreras, Joaquin	59.64
1005296	16-Jan-25	Gates, April	20.02
1005297	16-Jan-25	Groves, Benjamin Robert	76.02
1005298	16-Jan-25	Gulley, Dennis Richard	28.00
1005299	16-Jan-25	Haug, Jack Philip Ryan	57.74
1005300	16-Jan-25	Marquez, Jesus	46.34
1005301	16-Jan-25	Miller, Jacquelyn Rachel (Jackie)	37.65
1005302	16-Jan-25	Ramirez, Miguel	50.12
1005303	16-Jan-25	Reed, Megan A	25.86
1005304	16-Jan-25	Rios, Elias L	32.96
1005305	16-Jan-25	Rodriguez, Jimmy	13.58
1005306	16-Jan-25	Shapiro, Matthew	121.80
1005307	16-Jan-25	Velasco, Louis De Jesus	352.06
1005308	16-Jan-25	Villella, Aaren	59.36
1005309	16-Jan-25	Zamora, Victor A	204.36
1005355	23-Jan-25	Borowski, Michael (Mike)	121.00
1005356	23-Jan-25	Cano, Marco T (Marco)	8.54
1005357	23-Jan-25	Cariker, Cody J (Cody)	14.70
1005358	23-Jan-25	Contreras, Max Albert	33.60
1005359	23-Jan-25	Estrada, Audie Nickolas	445.82
1005360	23-Jan-25	Estrada, Robert C	70.28
1005361	23-Jan-25	Fites, Michael E (Michael)	33.32
1005362	23-Jan-25	Greer, Matthew	17.78
1005363	23-Jan-25	Groves, Benjamin Robert	76.02
1005364	23-Jan-25	Hansen, Casey	28.00
1005365	23-Jan-25	Hatch, Lauren	134.12
1005366	23-Jan-25	Haug, Jack Philip Ryan	153.25
1005367	23-Jan-25	Koenig, Timothy (Tim)	17.50
1005368	23-Jan-25	Lopez, Miguel	23.52
1005369	23-Jan-25	Lu, Michael	7.00

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1005370	23-Jan-25	Ludwig, Jason	67.20
1005371	23-Jan-25	Mwe, Nang	30.00
1005372	23-Jan-25	Nguyen, Claire	125.00
1005373	23-Jan-25	Nguyen, Jeanny	31.64
1005374	23-Jan-25	Ordonez, Bernardino A (Berny)	203.68
1005375	23-Jan-25	Pham, Amie	125.00
1005376	23-Jan-25	Rios, Elias L	108.88
1005377	23-Jan-25	Salazar, Kyle	36.54
1005378	23-Jan-25	Shanafelt, Shane D (Shane)	18.63
1005379	23-Jan-25	Shapiro, Matthew	67.02
1005380	23-Jan-25	Swift, Ian P (Ian)	250.00
1005381	23-Jan-25	Valencia, Reynaldo (Rey)	61.46
1005382	23-Jan-25	Velasco, Louis De Jesus	76.16
1005383	23-Jan-25	Villella, Aaren	150.19
1005384	23-Jan-25	Yue, Andrew R (Andrew)	125.00
1005385	23-Jan-25	Zamora, Victor A	81.28
1005425	30-Jan-25	Cho, Harry K (Harry)	30.00
1005426	30-Jan-25	Contreras, Joaquin	29.82
1005427	30-Jan-25	Joseph, Brandon	355.00
1005428	30-Jan-25	McBride, Damien J	218.74
1005429	30-Jan-25	Nguyen, Claire	355.00
1005430	30-Jan-25	Rajae, Omid	635.00
1005431	30-Jan-25	Reed, Megan A	27.02
1005432	30-Jan-25	Rice, Tera L	66.65
1005433	30-Jan-25	Sagert, Justin	363.28
1005434	30-Jan-25	Souza, Allen Kuhilani	239.00
1005435	30-Jan-25	Teyechea, Cresta (Chrissy)	9.38
1005436	30-Jan-25	Weneta, John Matthew (Matt)	250.00
SUB-TOTAL IRWD WELLS FARGO ACH FOR EXPENSE REPORTS			8,756.41

1005249	9-Jan-25	ALEXANDER'S CONTRACT SERVICES, INC.	135,952.79
1005250	9-Jan-25	AMAZON CAPITAL SERVICES, INC.	4,033.57
1005251	9-Jan-25	AVISTA TECHNOLOGIES, INC	11,002.21
1005252	9-Jan-25	C WELLS PIPELINE MATERIALS, INC	27,239.31
1005253	9-Jan-25	CALIFORNIA BARRICADE RENTALS, INC.	56,357.00
1005254	9-Jan-25	CDW GOVERNMENT LLC	1,282.89
1005255	9-Jan-25	CINDY KREBS CONSULTING, INC.	26,000.00
1005256	9-Jan-25	CITY OF IRVINE	246.59
1005257	9-Jan-25	COLONIAL LIFE & ACCIDENT INSURANCE CO.	370.32
1005258	9-Jan-25	COUNTY OF ORANGE SANITATION DISTRICT	9,145.38
1005259	9-Jan-25	DEMARIA ELECTRIC MOTOR SERVICES, INC.	38,427.96
1005260	9-Jan-25	DRAKE TRAFFIC CONTROL SERVICES INC	2,470.00
1005261	9-Jan-25	EHS INTERNATIONAL, INC	2,640.00
1005262	9-Jan-25	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.	13,286.25

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

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1005263	9-Jan-25	GANAHL LUMBER CO.	2,912.48
1005264	9-Jan-25	HAAKER EQUIPMENT COMPANY	92.38
1005265	9-Jan-25	HANSON BRIDGETT LLP	129,975.60
1005266	9-Jan-25	HILL BROTHERS CHEMICAL COMPANY	8,544.76
1005267	9-Jan-25	HINSILBLON LTD	26,084.00
1005268	9-Jan-25	INDUSTRIAL NETWORKING SOLUTIONS	2,681.28
1005269	9-Jan-25	INNOVATIVE MACHINE TOOL REPAIR LLC	7,064.45
1005270	9-Jan-25	JOHN MICHAEL COVAS	185.00
1005271	9-Jan-25	KRONICK MOSKOVITZ TIEDEMANN & GIRARD	6,092.00
1005272	9-Jan-25	KUTAK ROCK LLP	528.00
1005273	9-Jan-25	LAGUNA BEACH COUNTY WATER DISTRICT	9,151.57
1005274	9-Jan-25	LANDCARE HOLDINGS, INC.	63,550.85
1005275	9-Jan-25	LWP CLAIMS SOLUTIONS INC	2,333.00
1005276	9-Jan-25	MICROSOFT CORPORATION	24.00
1005277	9-Jan-25	MORRISROE, EDWARD	520.40
1005278	9-Jan-25	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	1,133,716.37
1005279	9-Jan-25	NATURALWELL, LLC	797.50
1005280	9-Jan-25	O.C. SUPERIOR CUSTOM CLEANING	5,068.00
1005281	9-Jan-25	OLIN CORPORATION	168,523.08
1005282	9-Jan-25	ORANGE COUNTY AUTO PARTS	106.20
1005283	9-Jan-25	PAPER DEPOT DOCUMENT DESTRUCTION LLC	340.00
1005284	9-Jan-25	PYRO-COMM SYSTEMS INC	1,095.00
1005285	9-Jan-25	R&B AUTOMATION, INC.	2,570.00
1005286	9-Jan-25	RINCON TRUCK CENTER INC.	60.32
1005287	9-Jan-25	TETRA TECH, INC	78,840.00
1005288	9-Jan-25	VSS SALES INC	21,132.04
1005289	9-Jan-25	W. W. GRAINGER, INC.	12,373.33
1005290	9-Jan-25	WATERSMART SOFTWARE INC	16,894.88
1005291	9-Jan-25	WEST COAST SAFETY SUPPLY INC	4,305.69
1005292	9-Jan-25	WESTAMERICA COMMUNICATIONS, INC.	1,485.00
1005293	9-Jan-25	YORKE ENGINEERING, LLC	736.00
1005310	16-Jan-25	ACE INDUSTRIES INC	35,024.62
1005311	16-Jan-25	ADAM'S FALCONRY SERVICE, LLC	2,100.00
1005312	16-Jan-25	AECOM TECHNICAL SERVICES, INC.	551,758.50
1005313	16-Jan-25	ALSTON & BIRD LLP	2,970.00
1005314	16-Jan-25	AMAZON CAPITAL SERVICES, INC.	189.50
1005315	16-Jan-25	AQUA BEN CORPORATION	59,347.98
1005316	16-Jan-25	BIGWIG MONSTER, LLC	10,800.00
1005317	16-Jan-25	BRENNTAG PACIFIC INC.	7,163.44
1005318	16-Jan-25	C WELLS PIPELINE MATERIALS, INC	21,416.58
1005319	16-Jan-25	CANNON CORPORATION	84,699.20
1005320	16-Jan-25	CAROLLO ENGINEERS, INC	6,555.00
1005321	16-Jan-25	CENTROID SYSTEMS, INC.	7,097.41
1005322	16-Jan-25	DELTA DENTAL OF CALIFORNIA	46,732.79

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1005323	16-Jan-25	DRAKE TRAFFIC CONTROL SERVICES INC	2,880.00
1005324	16-Jan-25	FLW, INC.	6,440.86
1005325	16-Jan-25	GANAHL LUMBER CO.	115.42
1005326	16-Jan-25	GCI CONSTRUCTION, INC.	3,562.50
1005327	16-Jan-25	GM SAGER CONSTRUCTION CO, INC.	24,330.00
1005328	16-Jan-25	GRISWOLD INDUSTRIES	16,512.69
1005329	16-Jan-25	HANSON BRIDGETT LLP	7,857.00
1005330	16-Jan-25	HDR ENGINEERING INC	141,864.50
1005331	16-Jan-25	HILL BROTHERS CHEMICAL COMPANY	5,987.92
1005332	16-Jan-25	JCI JONES CHEMICALS, INC.	4,842.27
1005333	16-Jan-25	LANDCARE HOLDINGS, INC.	82,501.16
1005334	16-Jan-25	LIEBERT CASSIDY WHITMORE	4,977.00
1005335	16-Jan-25	MARK KADESH	11,092.00
1005336	16-Jan-25	MCCROMETER, INC.	584.39
1005337	16-Jan-25	MERRIMAC PETROLEUM, INC.	26,970.87
1005338	16-Jan-25	MORGAN COMPANY	270.60
1005339	16-Jan-25	MRO ELECTRIC & SUPPLY COMPANY LLC	8,659.87
1005340	16-Jan-25	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	12,988.65
1005341	16-Jan-25	OLIN CORPORATION	22,185.27
1005342	16-Jan-25	OLSON REMCHO LLP	7,871.50
1005343	16-Jan-25	ORANGE COUNTY AUTO PARTS	917.89
1005344	16-Jan-25	ORIGIN CONSULTING LLC	1,297.50
1005345	16-Jan-25	RAM AIR ENGINEERING INC	40,866.43
1005346	16-Jan-25	RED WING SHOE STORE	978.04
1005347	16-Jan-25	RELIANCE STANDARD LIFE INSURANCE COMPANY	1,312.94
1005348	16-Jan-25	RESOLUTE COMPANY	13,500.00
1005349	16-Jan-25	S & J SUPPLY CO INC	1,664.20
1005350	16-Jan-25	SUNSHINE SUPPLY COMPANY, INC.	959.92
1005351	16-Jan-25	SWAINS ELECTRIC MOTOR SERVICE	42,255.34
1005352	16-Jan-25	TETRA TECH, INC	115,805.50
1005353	16-Jan-25	VSS SALES INC	43,217.79
1005354	16-Jan-25	W. W. GRAINGER, INC.	5,985.07
1005386	23-Jan-25	AMAZON CAPITAL SERVICES, INC.	1,084.99
1005387	23-Jan-25	ANIMAL PEST MANAGEMENT SERVICES, INC.	17,438.50
1005388	23-Jan-25	AQUA BEN CORPORATION	3,719.08
1005389	23-Jan-25	C WELLS PIPELINE MATERIALS, INC	10,229.72
1005390	23-Jan-25	CALIFORNIA BARRICADE RENTALS, INC.	19,889.07
1005391	23-Jan-25	CAROLLO ENGINEERS, INC	7,203.00
1005392	23-Jan-25	CDW GOVERNMENT LLC	6,223.53
1005393	23-Jan-25	CENTROID SYSTEMS, INC.	11,542.50
1005394	23-Jan-25	CITY OF IRVINE	6,726.78
1005395	23-Jan-25	COUNTY OF ORANGE SANITATION DISTRICT	170,512.36
1005396	23-Jan-25	DCSE, INC.	4,529.81
1005397	23-Jan-25	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.	13,357.50

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1005398	23-Jan-25	FARRELL PRINTING, INC.	2,284.40
1005399	23-Jan-25	FIDELITY SECURITY LIFE INSURANCE COMPANY	8,212.98
1005400	23-Jan-25	GANAHL LUMBER CO.	2,163.69
1005401	23-Jan-25	GEOSYNTEC CONSULTANTS, INC.	9,955.00
1005402	23-Jan-25	GM SAGER CONSTRUCTION CO, INC.	90,920.00
1005403	23-Jan-25	GOFORTH & MARTI	27,394.08
1005404	23-Jan-25	GRISWOLD INDUSTRIES	1,618.39
1005405	23-Jan-25	HAAKER EQUIPMENT COMPANY	5,550.25
1005406	23-Jan-25	HILL BROTHERS CHEMICAL COMPANY	10,444.61
1005407	23-Jan-25	INNOVATIVE MACHINE TOOL REPAIR LLC	3,357.50
1005408	23-Jan-25	JOHN MICHAEL COVAS	185.00
1005409	23-Jan-25	KIMBALL MIDWEST	1,583.15
1005410	23-Jan-25	MICROSOFT CORPORATION	416.50
1005411	23-Jan-25	NCL OF WISCONSIN INC	847.14
1005412	23-Jan-25	OLIN CORPORATION	156,093.86
1005413	23-Jan-25	ORANGE COUNTY AUTO PARTS	882.27
1005414	23-Jan-25	ORANGE COUNTY WATER DISTRICT	448,508.78
1005415	23-Jan-25	PSOMAS	4,980.00
1005416	23-Jan-25	R&B AUTOMATION, INC.	3,300.51
1005417	23-Jan-25	RAM AIR ENGINEERING INC	4,595.36
1005418	23-Jan-25	REACH EMPLOYEE ASSISTANCE INC	1,106.00
1005419	23-Jan-25	RELIANCE STANDARD LIFE INSURANCE COMPANY	36,501.50
1005420	23-Jan-25	RLG ENTERPRISES, INC	622.24
1005421	23-Jan-25	S & J SUPPLY CO INC	843.53
1005422	23-Jan-25	VULCAN INDUSTRIES INC	47,679.38
1005423	23-Jan-25	W. W. GRAINGER, INC.	6,148.90
1005424	23-Jan-25	WATER TREATMENT CHEMICALS INC	19,719.00
1005437	30-Jan-25	ABC ICE, INC	337.83
1005438	30-Jan-25	ACE INDUSTRIES INC	744.54
1005439	30-Jan-25	ADAM'S FALCONRY SERVICE, LLC	1,500.00
1005440	30-Jan-25	AECOM TECHNICAL SERVICES, INC.	1,547.50
1005441	30-Jan-25	AMAZON CAPITAL SERVICES, INC.	4,305.12
1005442	30-Jan-25	ARAG NORTH AMERICA, INC.	633.25
1005443	30-Jan-25	BRENNTAG PACIFIC INC.	3,065.50
1005444	30-Jan-25	C WELLS PIPELINE MATERIALS, INC	14,219.44
1005445	30-Jan-25	CALIFORNIA BARRICADE RENTALS, INC.	28,335.52
1005446	30-Jan-25	CONSERV CONSTRUCTION INC.	3,737.50
1005447	30-Jan-25	COOMBS SERVICE GROUP	37,100.00
1005448	30-Jan-25	DATA CLEAN CORPORATION	690.00
1005449	30-Jan-25	DAVID BALLASCH	4,981.00
1005450	30-Jan-25	DELTA DENTAL OF CALIFORNIA	45,902.46
1005451	30-Jan-25	DRAKE TRAFFIC CONTROL SERVICES INC	8,485.00
1005452	30-Jan-25	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	12,406.63
1005453	30-Jan-25	FARRELL PRINTING, INC.	158.27

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1005454	30-Jan-25	HDR ENGINEERING INC	61,218.35
1005455	30-Jan-25	HILL BROTHERS CHEMICAL COMPANY	79,240.04
1005456	30-Jan-25	INNOVATIVE MACHINE TOOL REPAIR LLC	1,058.27
1005457	30-Jan-25	KIMBALL MIDWEST	2,283.48
1005458	30-Jan-25	LWP CLAIMS SOLUTIONS INC	12,503.15
1005459	30-Jan-25	M.CUBED	1,106.25
1005460	30-Jan-25	MERRIMAC PETROLEUM, INC.	30,387.02
1005461	30-Jan-25	OLIN CORPORATION	44,778.58
1005462	30-Jan-25	ORANGE COUNTY AUTO PARTS	552.13
1005463	30-Jan-25	PACIFIC PARTS & CONTROLS INC	1,352.02
1005464	30-Jan-25	PILLSBURY WINTHROP SHAW PITTMAN LLP	11,144.00
1005465	30-Jan-25	PIPELOGIX INC	11,906.38
1005466	30-Jan-25	RAM AIR ENGINEERING INC	6,825.00
1005467	30-Jan-25	SITES PROJECT JOINT POWERS AUTHORITY	40,000.00
1005468	30-Jan-25	SUN-STAR ELECTRIC, INC.	250.00
1005469	30-Jan-25	TETRA TECH, INC	16,170.00
1005470	30-Jan-25	TOTAL RESOURCE MANAGEMENT, INC	14,009.24
1005471	30-Jan-25	VULCAN INDUSTRIES INC	47,679.38
1005472	30-Jan-25	W. W. GRAINGER, INC.	4,041.93
1005473	30-Jan-25	WATERLINE TECHNOLOGIES INC	4,080.00
1005474	30-Jan-25	WECK ANALYTICAL ENVIRONMENT SERVICES, INC.	195.00
SUB-TOTAL IRWD WELLS FARGO ACH DISBURSEMENTS			5,260,648.20
2000908	9-Jan-25	CULLIGAN OF SANTA ANA	22,185.00
2000909	9-Jan-25	FERGUSON US HOLDINGS, INC.	74,085.67
2000910	9-Jan-25	THOMPSON & PHIPPS INC	155,671.66
2000911	9-Jan-25	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA	5,708.08
2000912	16-Jan-25	CAPTIVE AUDIENCE MARKETING INC.	79.00
2000913	16-Jan-25	THOMPSON & PHIPPS INC	12,490.55
2000914	23-Jan-25	FERGUSON US HOLDINGS, INC.	67,710.10
2000915	23-Jan-25	IDEXX DISTRIBUTION, INC	11,986.65
2000916	23-Jan-25	POLYDYNE INC	80,295.30
2000917	23-Jan-25	QUALITY ENVIRONMENTAL CONTAINERS	11,973.48
2000918	23-Jan-25	THERMO ELECTRON NORTH AMERICA LLC	8,233.57
2000919	23-Jan-25	THOMPSON & PHIPPS INC	315.59
2000920	30-Jan-25	ADVANCED CALIBRATION DESIGNS INC	1,973.00
2000921	30-Jan-25	POLYDYNE INC	9,516.48
2000922	30-Jan-25	THOMPSON & PHIPPS INC	11,724.67
SUB-TOTAL IRWD WELLS FARGO PC			473,948.80
100248	9-Jan-25	BANK OF AMERICA	320,812.06
100249	9-Jan-25	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	3,042.00
100250	9-Jan-25	SUMITOMO MITSUI BANKING CORPORATION	30,975.65
100251	9-Jan-25	U.S. BANK NATIONAL ASSOCIATION	144,059.76

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
100252	30-Jan-25	BANK OF AMERICA	500.00
100253	30-Jan-25	BANK OF NEW YORK MELLON TRUST COMPANY NA	4,975,637.50
100254	30-Jan-25	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	3,762.00
100255	30-Jan-25	ORANGE COUNTY WATER DISTRICT	14,838,577.60
100256	30-Jan-25	SUMITOMO MITSUI BANKING CORPORATION	67,024.60
100257	30-Jan-25	U.S. BANK NATIONAL ASSOCIATION	41,914.76
100258	30-Jan-25	WELLS FARGO BANK, N.A.	6,615.58
SUB-TOTAL IRWD WELLS FARGO WIRE DISBURSEMENTS			20,432,921.51
16117	9-Jan-25	CALPERS	818,180.51
16118	9-Jan-25	FRANCHISE TAX BOARD	106,477.97
16119	9-Jan-25	CALPERS	311,658.33
16120	9-Jan-25	INTERNAL REVENUE SERVICE	316,751.30
16121	9-Jan-25	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	3,539.83
16122	9-Jan-25	EMPLOYMENT DEVELOPMENT DEPARTMENT	22,684.80
16123	9-Jan-25	CHARD SNYDER & ASSOCIATES, INC.	6,364.55
16124	9-Jan-25	EMPOWER RETIREMENT, LLC	178,700.23
16125	30-Jan-25	FRANCHISE TAX BOARD	200,961.70
16126	30-Jan-25	CALPERS	649,620.54
16127	30-Jan-25	INTERNAL REVENUE SERVICE	605,333.95
16128	30-Jan-25	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	7,079.66
16129	30-Jan-25	EMPLOYMENT DEVELOPMENT DEPARTMENT	48,137.30
16130	30-Jan-25	BANK OF AMERICA MERRILL LYNCH	187,299.76
16131	30-Jan-25	EMPOWER RETIREMENT, LLC	438,941.22
16132	30-Jan-25	INSPIRA FINANCIAL HEALTH, INC	53,500.91
SUB-TOTAL IRWD BOFA WIRE DISBURSEMENTS			3,955,232.56
SUB-TOTAL BOFA AND WELLS FARGO CHECK AND ELECTRONIC DISBURSEMENTS			40,503,353.13
444279	8-Jan-25	HILLCREST CONTRACTING, INC.	1,352.65
444290	8-Jan-25	MILSTEIN, DANA	97.10
444400	8-Jan-25	MILLER, ANTHONY	52.03
444676	8-Jan-25	IVY, JUSTIN	114.69
444712	8-Jan-25	SAFARI, ELENA	115.74
444737	8-Jan-25	TUKHI, AHMAD J	163.41
444746	8-Jan-25	WOODWARD, BLAKE	26.13
446102	8-Jan-25	NANOPRECISE SCI CORP	36,026.69
446258	30-Jan-25	NEVEN PROPERTIES LLC	243.70
446624	25-Jan-25	NEUMERIC TECHNOLOGIES CORPORATION	11,000.00
447131	25-Jan-25	OCHOA, MASHA	298.89
447241	25-Jan-25	ALLIANCE APPRAISAL, LLC	3,500.00
1004620	5-Jan-25	Barounis, Demetra	24.25
1004643	5-Jan-25	Saldana Rodriguez, Cristina	103.07
1004653	5-Jan-25	ASSOCIATION OF CALIFORNIA WATER AGENCIES	51,955.00

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JANUARY 2025

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIER	PAYMENT AMOUNT
1005051	5-Jan-25	MRO ELECTRIC & SUPPLY COMPANY LLC	8,915.24
2000859	21-Jan-25	THERMO ELECTRON NORTH AMERICA LLC	2,087.28
2000869	21-Jan-25	THERMO ELECTRON NORTH AMERICA LLC	3,467.40
2000878	21-Jan-25	THERMO ELECTRON NORTH AMERICA LLC	1,553.76
2000883	21-Jan-25	THERMO ELECTRON NORTH AMERICA LLC	1,125.13
SUB-TOTAL BOFA AND WELLS FARGO CHECK AND ELECTRONIC VOIDED IN JANUARY 2025			122,222.16
NET			40,381,130.97

Exhibit "E"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

January
2025

	AMOUNT	VENDOR	PURPOSE
1/10/2025	1,352,045.20	BANK OF AMERICA	ACH Payments for Payroll
1/24/2025	1,304,550.77	BANK OF AMERICA	ACH Payments for Payroll
	<u>\$2,656,595.97</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-JAN-25 to 31-JAN-25

NAME	CHECK NO.	CHECK DATE	AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Borowski, Michael	1005355	23-Jan-25	121.00	Certification	CWEA E-I Grade IV
Bronstein, Louis	1005220	9-Jan-25	163.48	Mileage	ACWA Fall Conference, Palm Desert, CA - December 3-5, 2024
Compton, Christine A	1005224	9-Jan-25	142.44	Mileage	WEC Conference, Cuyamaca College, El Cajon, CA - January 15, 2025
Hatch, Lauren	1005365	23-Jan-25	134.12	Mileage	Mileage Reimbursment for Conference
Joseph, Brandon	1005427	30-Jan-25	116.00	Certification	CWEA Collection Systems Supervisor Grade III
Joseph, Brandon	1005427	30-Jan-25	239.00	Membership	CWEA membership
McBride, Damien	1005428	30-Jan-25	218.74	Other(Misc)	Safety shoe allowance
Meripol, Robert	1005235	9-Jan-25	170.00	Certification	ASP certification renewal
Nguyen, Claire	1005372	23-Jan-25	125.00	Other(Misc)	Safety shoe allowance
Nguyen, Claire	1005429	30-Jan-25	239.00	Membership	CWEA membership
Nguyen, Claire	1005429	30-Jan-25	116.00	Certification	CWEA Laboratory Analyst Grade III
Norman, Tammy	447232	9-Jan-25	100.00	Other(Misc)	Toastmasters - December 18, 2024
Norman, Tammy	447232	9-Jan-25	100.00	Other(Misc)	Toastmasters - December 4, 2024
Norman, Tammy	447232	9-Jan-25	100.00	Other(Misc)	Toastmasters - November 6, 2024
Pham, Amie	1005375	23-Jan-25	125.00	Other(Misc)	Safety shoe allowance
Rajae, Omid	1005430	30-Jan-25	135.00	Certification	CISSP renewal and maintenance
Rajae, Omid	1005430	30-Jan-25	500.00	Certification	Cisco Continuing Education certification renewal
Sagert, Justin	1005433	30-Jan-25	242.66	Auto Rental	Reliability Web Conference, San Marcos Island, FL - December 16-19, 2024
Saldana Rodriguez, Cristina	1005241	9-Jan-25	103.07	Other(Misc)	Safety shoe allowance
Souza, Allen Kuhilani	1005434	30-Jan-25	239.00	Membership	CWEA membership
Swift, Ian	1005380	23-Jan-25	250.00	Other(Misc)	Safety shoe allowance
Velasco, Louis De Jesus	1005307	16-Jan-25	203.00	Certification	SWRCB Wastewater Treatment Plant Operator Grade III
Weneta, John Matthew	1005436	30-Jan-25	250.00	Other(Misc)	Safety shoe allowance
Yue, Andrew	1005384	23-Jan-25	125.00	Other(Misc)	Safety shoe allowance
Zamora, Victor	1005309	16-Jan-25	204.36	Other(Misc)	Shadetree Nursery expense for January 2025
Total Amount:			\$4,461.87		

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February 24, 2025
Prepared and
submitted by: C. Compton
Approved by: Paul A. Cook 

CONSENT CALENDAR

2025 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 recommends the Board consider the following actions / positions:

- *AB 259 (Rubio) — Local Agency Teleconference Meetings: “SUPPORT”;*
- *AB 269 (Bennett) — Dam Safety and Climate Resilience Local Assistance: “OPPOSE”*
- *SB 72 (Caballero) — The California Water Plan: Long-Term Supply Targets: “SUPPORT”;*

BACKGROUND:

The 2025-2026 state legislative session convened on December 5, 2024. New members of the Legislature were sworn into office that day. The Legislature then recessed until January 6, 2025, when reconvened the first year of the 2025-2026 legislative session.

January 24 was the last day for bills to be submitted to the Office of the Legislative Counsel, with the bill introduction deadline this year being February 21, although resolutions and constitutional amendments can be introduced after that date. The first policy committee deadlines are in 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 2025-2026 State Budget Proposal:

On January 10, Governor Gavin Newsom presented his proposed California state budget for Fiscal Year 2025-2026 (FY 2025-26), which initially projected a positive fiscal outlook. The proposed budget forecasted an increase of \$16.5 billion in General Fund revenues over the 2024 Budget Act, based on optimistic economic conditions. The Governor’s budget message emphasized fiscal prudence, prioritizing funding for critical programs while exercising caution regarding new fiscal commitments to mitigate potential risks.

Less than a week later, the fiscal outlook has changed drastically due to the catastrophic wildfires in Southern California, particularly in Los Angeles County. The fires are now estimated to have caused damage exceeding \$250 billion, surpassing the economic toll of Hurricane Katrina in 2005. In response to the fires, the Governor expanded the scope of the Special Session to include emergency funding for disaster relief and recovery efforts.

Given the scale of the damage, additional budgetary changes are likely until the final budget is adopted in late June, and fiscal uncertainties will persist as the full extent of the economic impact is yet to be fully assessed. Staff will continue to monitor developments and provide updates as new information becomes available.

Proposition 4 Funding:

In November, Proposition 4 was approved by voters, authorizing a bond measure aimed at funding climate-related initiatives to address critical challenges, including wildfires, water accessibility, and climate resilience. The bond measure allocates funds across various key areas, such as Water Resilience and Management, Wildfire and Forest Resilience, Biodiversity Protection and Nature-Based Solutions, and Clean Air and Community Programs.

Initially, it was expected that the bond issuance would be distributed over multiple years, with funds directed toward qualified projects in a phased approach across multiple programs with \$325 million being proposed in the first year of Proposition 4 distributions for the Wildfire and Forest Resilience programs. Due to the wildfires, the funding allocations and specific funding timeline for Proposition 4 proposed in the first distribution are likely to change from what the Governor had proposed. There is a high potential that more wildfire and forest resilience funding is accelerated, and funds for water infrastructure are pushed to another fiscal year.

In response to this evolving situation, staff, alongside the Dam Safety Coalition, are actively engaging in discussions to ensure that Proposition 4 funds are distributed appropriately given the State's needs while still ensuring funding for dam safety and other important climate resiliency efforts are included in the initial distribution.

Staff will continue to provide updates as the funding process progresses and further details become available.

2025 State Legislative Update:

AB 259 (Rubio) Local Agency Teleconference Meetings:

In 2022, Assemblymember Blanca Rubio (AD-48, Baldwin Park) authored [AB 2449](#), which took effect on January 1, 2023. AB 2449 allows local agencies to use alternative Brown Act meeting procedures in the event a board member is absent due to “just cause” or “emergency circumstances.” The bill allows board members affected by illness, travel, or emergencies to participate remotely.

Although AB 2449's provisions have been amended since its enactment, its sunset date has remained unchanged, and these "just cause" and "emergency" provisions are set to expire at the end of 2025. AB 259, which is sponsored by the California Special Districts Association (CSDA), would eliminate the sunset.

Since its enactment, IRWD has benefited from AB 2449's "just cause" and "emergency" provisions. Staff recommends the Board adopt a "support" position on AB 259.

AB 269 (Bennett) Dam Safety and Climate Resilience Local Assistance:

AB 269, as introduced by Assemblymember Steve Bennett (AD-38, Ventura), proposes to add a new category of eligible projects to those eligible for funding under the State's Dam Safety and Climate Resilience Local Assistance Program. The Dam Safety and Climate Resilience Local Assistance Program is the program the District and the Dam Safety Coalition were successful in getting established to fund dam safety improvements. AB 269, in addition to dam safety improvement projects, would allow the program to fund dam removal projects.

At the time the Dam Safety and Climate Resilience Local Assistance Program was being created, the inclusion of dam removal projects, as eligible projects, was debated, but that category of projects was left out of the program because there are other funding programs available to fund dam removals projects.

Given that AB 269 would divert limited funding away from dam safety improvement projects, staff recommends that the Board adopt an "oppose" position on AB 269.

SB 72 (Caballero) The California Water Plan: Long-Term Supply Targets:

Senator Anna Caballero (SD-14, Merced) has introduced SB 72. SB 72 would establish long-term water supply targets and call for the Department of Water Resources (DWR) to use those targets in future updates to the California Water Plan. The bill is a reintroduced version of SB 366 (2024), that was authored by Senator Caballero, unanimously pass by both houses of the legislature, and then vetoed by the Governor.

SB 366 was supported by the District along with a broad coalition of water agencies, special districts, and associations, including the California Municipal Utilities Association (CMUA), California Council of Economic and Environmental Balance (CCEEB), and the California State Association of Counties (CSAC).

According to SB 366's veto message, the bill was vetoed by the Governor due to fiscal concerns at the end of the last legislative session. Since then, the coalition has refined the bill's language to reduce costs associated with its implementation should it be enacted.

Staff recommends that the Board adopt a "support" position on SB 72.

Other 2025 State Legislative Updates:

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

- Low-income water rate assistance proposals;
- 2025 IRWD sponsored 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 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](#);
- CNRA's [Water Resilience Portfolio Implementation and Resiliency 2.0 Implementation](#);
- DWR SB 1157 Indoor Water Use Studies;
- State Water Resources Control Board's (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](#);
- 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;
- South Coast AQMD's [PAR 1146.2 Control of NOx from Large Water Heaters, Small Boilers and Process Heaters](#); and
- South Coast AQMD's [Proposed Rule 1110.4, Emissions from Emergency Generators](#).

Staff will also provide an update on other regulatory matters of interest to the District.

2025 Federal Legislative and Regulatory Update:

Kern Fan Groundwater Storage Project Outreach:

IRWD's federal advocacy priority in 2025 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 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:

- U.S. Environmental Protection Agency's (U.S. EPA's) [Lead and Copper Rule Improvements](#); and
- U.S. EPA's [Preliminary PFAS Effluent Guidelines Program Plan](#);

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Policy and Communications Committee on February 6, 2025.

RECOMMENDATION:

THAT THE BOARD ADOPT "SUPPORT" POSITIONS ON AB 259 (RUBIO) AND SB 72 (CABALLERO), AND AN "OPPOSE" POSITION ON AB 269 (BENNETT).

LIST OF EXHIBITS:

Exhibit "A" – IRWD Legislative Matrix

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IRWD 2025 LEGISLATIVE MATRIX
Updated: January 28, 2025

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1 (Connolly (D))	Residential Property Insurance: Wildfire Risk		Requires the Department of Insurance, on specified date to consider whether or not to update its regulations to include additional building hardening measures for property-level mitigation efforts and communitywide wildfire mitigation programs.	12/02/2024: INTRODUCED.
CA AB 5 (Berman (D))	Tallying and Release of Election Results		States the intent of the Legislature to enact legislation that assists counties in the prompt tallying and release of election results.	12/02/2024: INTRODUCED.
CA AB 6 (Ward (D))	Residential Developments: Building Standards: Review		Requires the Department of Housing and Community Development to convene a working group no later than specified date, to research and consider identifying and recommending amendments to state building standards allowing residential developments to be built.	01/21/2025: In ASSEMBLY. Ordered to second reading.
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.	12/02/2024: INTRODUCED.
CA AB 21 (DeMaio (R))	Taxpayer Protection Act of 2025		Relates to the Taxpayer Protection Act of 2025.	12/02/2024: INTRODUCED.
CA AB 23 (DeMaio (R))	The Cost of Living Reduction Act of 2025		Declares the intent of the Legislature to enact subsequent legislation to reduce the cost of living in California by undertaking specified activities, including, among other things, by suspending all state taxes and fees on gasoline and electric and gas utilities and by requiring the Little Hoover Commission to provide a report on methods to reduce the cost of living in other areas.	12/02/2024: INTRODUCED.
CA AB 24 (DeMaio (R))	Balanced Budget Accountability Act of 2025		Declares the intent of the Legislature to enact a constitutional amendment that would achieve cost savings for the state and that	12/02/2024: INTRODUCED.

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			would balance the budget by cutting then capping the total annual labor costs in the state budget, requiring state government agencies to competitively source or contract out services, and requiring that both the state budget as a whole and any new program fees be approved by a 2/3 vote of the Legislature.	
CA AB 30 (Alvarez (D))	State Air Resources Board: Gasoline Specifications		Requires the State Air Resources Board to complete a rulemaking on or before July 1, 2025, to adopt specifications for blends of gasoline containing 10.5% to 15% ethanol by volume for use as a transportation fuel. Provides that if the state board does not complete the rulemaking on or before that date, the bill would require that blends of gasoline containing 10.5% to 15% ethanol by volume be treated as approved by the state board and would authorize them to be sold in the state as transportation fuel.	12/02/2024: INTRODUCED.
CA AB 34 (Patterson J (R))	Air Pollution: Regulations: Consumer Costs: Review		Prohibits the State Air Resources Board from adopting any standard, regulation, or rule until the Legislative Analyst has analyzed the cost to the consumer of the proposed standard, regulation, or rule and submitted its analysis to the Legislature.	12/02/2024: INTRODUCED.
CA AB 35 (Alvarez (D))	California Environmental Quality Act: Clean Hydrogen		Provides for limited CEQA review of an application for a discretionary permit or authorization for a clean hydrogen transportation project by requiring the application to be reviewed through a clean hydrogen environmental assessment, unless otherwise requested by the applicant.	12/02/2024: INTRODUCED.
CA AB 39 (Zbur (D))	General Plans: Local Electrification Planning Act		Deems a General plan adopted pursuant to specified provisions as a regional plan for specified purposes. Applies to a city, county, or city and county with a population greater than 75,000 residents.	12/02/2024: INTRODUCED.
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	12/02/2024: INTRODUCED.

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			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.	
CA AB 43 (Schultz (D))	Wild and Scenic Rivers		Extends, indefinitely, the date by which the Secretary of the Natural Resources Agency is authorized to take the specified actions relating to the addition of rivers or segments of rivers to the state's wild and scenic rivers system.	12/02/2024: INTRODUCED.
CA AB 44 (Schultz (D))	Energy: Electrical Demand Forecasts		States the intent of the Legislature to enact subsequent legislation that would require the State Energy Resources Conservation and Development Commission to develop a set of technical guidance and load modification protocols to enable the state to reduce or modify its electrical demand forecast to improve grid reliability.	12/02/2024: INTRODUCED.
CA AB 52 (Aguilar-Curry (D))	Native American Heritage Commission: Powers and Duties		Makes a nonsubstantive change to existing law which vests the Native American Heritage Commission with specified powers and duties relative to Native American cultural resources.	12/02/2024: INTRODUCED.
CA AB 61 (Pacheco (D))	Electricity and Natural Gas: Legislation		Requests the Public Advocate's Office of the Public Utilities Commission to establish a program to, upon request of the Legislature, analyze legislation that would establish a mandated requirement or program or otherwise affect electrical or gas ratepayers. Requests the office to develop and implement conflict-of-interest provisions that would prohibit a person from participating in an analysis for which the person knows or has reasons to know that the person has a financial interest.	12/02/2024: INTRODUCED.

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CA AB 62 (McKinnor (D))	Racially Motivated Eminent Domain		States the intent of the Legislature to enact legislation that would assist victims of racially motivated eminent domain in seeking the return of the taken property, other property of equal value, or financial compensation.	12/02/2024: INTRODUCED.
CA AB 66 (Tangipa (R))	Wildfire Prevention: Vegetation Management		Provides that it is the intent of the Legislature to enact subsequent legislation to address wildfires by allowing for more vegetation management within easements.	12/03/2024: INTRODUCED.
CA AB 69 (Calderon (D))	FAIR Plan Policy Renewals		Requires a broker of record to determine if a FAIR Plan policy can be moved to a voluntary market insurance company before the policy is renewed.	12/10/2024: INTRODUCED.
CA AB 70 (Aguilar-Curry (D))	Solid Waste: Pyrolysis		Relates to the Waste Management Act of 1989. Defines pyrolysis as the thermal decomposition of material at elevated temperatures in the absence or near absence of oxygen.	12/11/2024: INTRODUCED.
CA AB 72 (Jackson (D))	Elections: Bengali		Requires elections officials to provide a voter with registration or voting notices, forms, instructions, assistance, or other materials or information relating to the electoral process, including ballots, in Bengali if the voter requests it.	12/12/2024: INTRODUCED.
CA AB 76 (Alvarez (D))	Surplus Land: Exempt Surplus Land: Sectional Planning		Changes specified requirements concerning surplus land so that at least specified percentage of units that are not designated for students, faculty, or staff of an academic institution must be dedicated to lower income households, as specified, and that the land must be developed at an average density of at least 10 units per acre, calculated with respect to the entire sectional planning area and inclusive of housing designated for students, faculty, and staff of an academic institution.	12/16/2024: INTRODUCED.

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CA AB 82 (Ward (D))	Information Practices Act of 1977: Civil Actions		Makes a nonsubstantive change to the Information Practices Act of 1977, which authorizes an individual to bring an action against an agency under specified conditions, including whenever an agency refuses to comply with an individual’s lawful request to inspect certain records.	12/20/2024: INTRODUCED.
CA AB 87 (Boerner (D))	Housing Development: Density Bonuses		States the intent of the Legislature to enact legislation to ensure that Density Bonus Law in its entirety is only applied to residential projects with no portions being used for visitor serving purposes or uses.	01/06/2025: INTRODUCED.
CA AB 93 (Papan (D))	Water Resources: Demands: Artificial Intelligence		Expresses the intent of the Legislature to enact future legislation that would maintain water and energy efficiency to the extent that new technology, including, but not limited to, artificial intelligence, increases the demands on already limited resources.	01/07/2025: INTRODUCED.
CA AB 94 (Bennett (D))	Recall Elections: Successors		Provides that when the local officer is recalled and removed, that officer may not be appointed to fill the vacancy.	01/07/2025: INTRODUCED.
CA AB 99 (Ta (R))	Electrical Corporations: Rates.		Prohibits an electrical corporation from proposing, and the Public Utilities Commission from approving, a rate increase above the rate of inflation, unless the rate increase is approved by a majority of the electrical corporation’s customers voting in an election conducted according to specified requirements, and except when the commission determines that the costs underlying the rate increase are directly related to safety enhancements and modernization or to higher commodity or fuel costs.	01/08/2025: INTRODUCED.
CA AB 222 (Bauer-Kahan (D))	Data Centers: Energy Usage Reporting and Modeling		Requires a data center that provides computing resources to a developer for the purpose of developing a covered model, as defined, to estimate the total energy used to develop the covered model and to report that information to the developer. Requires a	01/08/2025: INTRODUCED.

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			developer, before using the computing resources of a data center to develop a covered model, to inform the data center of the developer's intent to develop a covered model.	
CA AB 226 (Calderon (D))	Insurance		Authorizes the California FAIR Plan Association, if granted prior approval from the commissioner, to request the California Infrastructure and Economic Development Bank to issue bonds, and would authorize the bank to issue those bonds to finance the costs of claims, to increase liquidity and claims-paying capacity of the association, and to refund bonds previously issued for that purpose.	01/09/2025: INTRODUCED.
CA AB 232 (Calderon (D))	Natural Disasters: Catastrophe Savings Accounts		Authorizes a homeowner to establish one catastrophe savings account that, among other things, has the specified purpose of covering the amount of insurance deductibles and other uninsured portions of risks of loss from wildfire, flood, or earthquake. Requires distributions from a catastrophe savings account to be used to cover qualified catastrophe expenses, defined as expenses paid or incurred due to damage to or loss of a homeowner's primary residence caused by a wildfire, flood, or earthquake.	01/13/2025: INTRODUCED.
CA AB 234 (Calderon (D))	California FAIR Plan Association Governing Committee		Requires the Speaker of the Assembly and the Chairperson of the Senate Committee on Rules to serve as nonvoting, ex officio members of the California FAIR Plan Association Governing Committee, and would authorize each to name a designee to serve in their place.	01/13/2025: INTRODUCED.
CA AB 241 (Tangipa (R))	Wildfire and Vegetation Management Voluntary Tax Fund		Allows an individual to designate on their tax return that a specified amount in excess of their tax liability be transferred to the continuously appropriated Wildfire and Vegetation Management Voluntary Tax Contribution Fund, which would be created by this bill. Requires the Franchise Tax Board to revise the tax return form to include a space for the designation of	01/14/2025: INTRODUCED.

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			contributions to the fund when another voluntary designation is removed from the form or there is space, whichever occurs first.	
CA AB 245 (Gipson (D))	Property Taxation: Disaster Victims		States the intent of the Legislature to enact legislation that would provide meaningful and automatic property tax relief for disaster victims, including fire disasters, in areas of the state proclaimed to be in a state of emergency by the Governor.	01/14/2025: INTRODUCED.
CA AB 253 (Ward (D))	California Residential Private Permitting Review Act		Enacts the California Residential Private Permitting Review Act, which requires a county's or city's building department to prepare a residential building permit fee schedule and post the schedule on the county's or city's internet website, if the county or city prescribes residential building permit fees.	01/15/2025: INTRODUCED.
CA AB 259 (Rubio (D))	Open Meetings: Local Agencies: Teleconferences		Extends, under the Ralph M. Brown Act the alternative teleconferencing procedures indefinitely. Removes a specified date from the act, thereby extending the authorization for a legislative body of a local agency to consider and take action on a request from a member to participate in a meeting remotely due to emergency circumstances, as specified, indefinitely.	01/16/2025: INTRODUCED.
CA AB 261 (Quirk-Silva (D))	Fire Safety: Fire Hazard Severity Zones: Fire Marshal		Authorizes the State Fire Marshal, in periods between the State Fire Marshal's review of areas of the state for recommendations regarding an area's fire hazard severity zone, to confer with entities, including, but not limited to, public agencies, tribes, nonprofit organizations, project applicants, and members of the public, on actions that may impact the degree of fire hazard in an area or the area's recommended fire hazard severity zone designation.	01/16/2025: INTRODUCED.
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,	01/16/2025: INTRODUCED.

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			community-based organizations, and individuals for specified costs related to a disaster, as prescribed. Requires the Director of Emergency Services to allocate from the Disaster Assistance Fund, subject to specified conditions, funds to meet the cost of expenses for those purposes.	
CA AB 263 (Rogers (D))	Scott River: Shasta River: Watersheds		Provides that specified emergency regulations adopted by the State Water Resources Control Board for the Scott River and Shasta River watersheds shall remain in effect until permanent rules establishing and implementing long-term instream flow requirements are adopted for those watersheds.	01/16/2025: INTRODUCED.
CA AB 267 (Macedo (R))	Greenhouse Gas Reduction Fund: High Speed Rail		Suspends the appropriation to the High-Speed Rail Authority for the 2026–27 and 2027–28 fiscal years and would instead require those amounts from moneys collected by the state board to be transferred to the General Fund. Specifies that the transferred amounts shall be available, upon appropriation by the Legislature, to augment funding for water infrastructure and wildfire prevention.	01/17/2025: INTRODUCED.
CA AB 269 (Bennett (D))	Dam Safety and Climate Resilience Local Assistance		Includes the removal of project facilities as additional projects eligible to receive funding under the Dam Safety and Climate Resilience Local Assistance Program.	01/17/2025: INTRODUCED.
CA AB 270 (Petrie-Norris (D))	Office of Emergency Services: Firefighting Activities		Requires the Office of Emergency Services to establish a pilot program to equip the state with the nation's first testbed autonomous firefighting helicopter and the associated configuration, familiarization, and training activities to transition the aircraft into operational use.	01/21/2025: INTRODUCED.
CA AB 272 (Aguilar-Curry (D))	Heavy-Duty Vehicle Inspection and Maintenance Program		Relates to the Heavy-Duty Vehicle Inspection and Maintenance Program. Requires, within 4 years following the full implementation of the program, but not later than February 1,	01/21/2025: INTRODUCED.

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			2026, the State Air Resources Board to provide the first of the 2 biennial reports on its internet website.	
CA AB 275 (Petrie-Norris (D))	Office of Emergency Services: Wildfire Response		States the intent of the Legislature to enact legislation to make the SoCal Edison-funded Quick Reaction Force firefighting helitanker program permanent and maintained by the Office of Emergency Services.	01/21/2025: INTRODUCED.
CA AB 286 (Gallagher (R))	Electricity: Mandatory Rate Reduction		Requires the Public Utilities Commission to reduce the kilowatt-per-hour rate for electricity charged to ratepayers by not less than 30%.	01/22/2025: INTRODUCED.
CA AB 287 (Lackey (R))	Elections: Polling Places and Vote Centers		Requires the governing body with jurisdiction over school buildings or other public buildings to instruct the school district or other public administrator to provide the elections official with an adequate amount of space for voting operations and storage of associated supplies. Requires the district administrator to also make accessible parking spaces and parking for assisting voters curbside available, if requested by the elections official.	01/22/2025: INTRODUCED.
CA AB 288 (McKinnor (D))	Public Employment: Labor Relations		Relates to existing law which authorizes an exclusive representative to file a charge of an unfair labor practice with the Public Employment Relations Board alleging a violation of specified provisions only after certain requirements have been met. Deletes the reference to the July 1, 2022, operative date in those provisions.	01/22/2025: INTRODUCED.
CA AB 293 (Bennett (D))	Groundwater Sustainability Agency: Transparency		Requires each groundwater sustainability agency to publish the membership of its board of directors on its internet website, or on the local agency's internet website, as provided. Requires each groundwater sustainability agency to publish a link on its internet website or its local agency's internet website to the location on the Fair Political Practices Commission's internet website where	01/22/2025: INTRODUCED.

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			the statements of economic interests, filed by the members of the board and executives of the agency, can be viewed.	
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.	01/23/2025: INTRODUCED.
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 conveyance projects, and groundwater recharge projects that provide public benefits and drought preparedness.	01/23/2025: INTRODUCED.
CA AB 300 (Lackey (R))	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 wildfire preparedness plan to include, among other things, a brief description of the planned wildfire preparedness activities.	01/23/2025: INTRODUCED.
CA AB 301 (Schiavo (D))	Planning and Zoning: Housing Development Projects		Requires a state department to comply with specified zoning provisions relating to postentitlement phase permits applicable to a local agency. Deems a postentitlement phase permit approved, and all related reviews complete, if a state department fails to meet the time limits for review of an application for that permit. Revises the definition of postentitlement phase permit.	01/23/2025: INTRODUCED.

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CA AB 303 (Addis (D))	Battery Energy Storage Facilities		Specifies that energy storage systems do not include battery energy storage systems for the above-described purposes. The bill would require 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 megawatt-hours or more of energy if the development project is located within 3,200 feet of a specified receptor.	01/23/2025: INTRODUCED.
CA AB 306 (Schultz (D))	Building Regulations: State Building Standards		Prohibits a city or county from making changes to the specified building standards unless a certain condition is met, including that the California Building Standards Commission deems those changes or modifications necessary as emergency standards to protect health and safety.	01/23/2025: INTRODUCED.
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 allocated for purposes of the ALERTCalifornia fire camera mapping system.	01/23/2025: INTRODUCED.
CA AB 311 (McKinnor (D))	Dwelling Units: Persons at Risk of Homelessness		Reinstates provisions relative to dwellings of persons at risk of homelessness include certain 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.	01/23/2025: INTRODUCED.
CA AB 317 (Jackson (D))	California First Time Homeowner Dream Act		Exempts from CEQA the new construction of a single-family dwelling that meets specified conditions, including that the project contains one single-family dwelling that is 1,500 square feet or less with no more than 3 bedrooms, the property is	01/24/2025: INTRODUCED.

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			intended to be sold to a first-time homebuyer, 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.	
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 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 November 8, 2024.	12/02/2024: INTRODUCED.
CA SB 3 (Cervantes (D))	Election Results		Expresses the intent of the Legislature to enact legislation to revise the process of reporting election results by county elections officials, and to make modifications to the canvass of the vote.	12/02/2024: INTRODUCED.
CA SB 5 (Cabaldon (D))	Infrastructure Financing Districts		Excludes the taxes levied upon a parcel of land enrolled in or subject to a Williamson Act contract or a farmland security zone contract from the allocation to the infrastructure financing district.	12/02/2024: INTRODUCED.
CA SB 7 (McNerney (D))	Artificial Intelligence.		Declares the intent of the Legislature to enact legislation relating to artificial intelligence.	12/02/2024: INTRODUCED.

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CA SB 9 (Arreguin (D))	Accessory Dwelling Units		Prohibits a local agency from imposing an owner-occupant requirement for a proposed or existing accessory dwelling unit whether or not the local agency has adopted a local ordinance.	12/02/2024: INTRODUCED.
CA SB 11 (Ashby (D))	Artificial Intelligence Technology		Defines various terms related to artificial intelligence and synthetic content, and would clarify that use of such synthetic content is deemed to be a false personation for purposes of these and other criminal provisions.	12/02/2024: INTRODUCED.
CA SB 18 (Rubio (D))	Food Access		States the intent of the Legislature to enact legislation that would address food affordability issues and expand access to healthy foods in food deserts and areas at risk of becoming food deserts in California.	12/02/2024: INTRODUCED.
CA SB 21 (Durazo (D))	Workforce Development: Poverty-Reducing Labor Standards		Creates the Equity, Climate Resilience, and Quality Jobs Fund in the State Treasury and would require, to the extent permissible under federal law, 1% of all qualified moneys received from the federal government pursuant to any federal jobs act to be transferred into the fund. The bill would make moneys in the fund available upon appropriation to the Workforce Development Board for specified purposes.	12/02/2024: INTRODUCED.
CA SB 31 (McNerney (D))	Water Quality: Water Recycling Facilities: State Policy		Makes a nonsubstantive change to existing law which states the intention of the Legislature that the state undertake all possible steps to encourage development of water recycling facilities so that recycled water may be made available to help meet the growing water requirements of the state.	12/02/2024: INTRODUCED.
CA SB 44 (Umberg (D))	Fish: Annual Provisional Stocking Document		Makes a nonsubstantive change to provisions of existing law which requires the Department of Fish and Wildlife, before January 1 of each year, to make publicly available on the department's internet website a specified annual document that	12/05/2024: INTRODUCED.

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			contains conditional or provisional plans for freshwater fish plants.	
CA SB 45 (Padilla (D))	Recycling: Beverage Containers: Tethered Plastic Caps		Deletes an authorization under the California Beverage Container Recycling and Litter Reduction Act to pay a quality incentive payment of up to specified amount per ton to qualified recyclers for thermoform plastic containers diverted from curbside recycling programs. Requires, as specified, beverage containers, intended for sale in this state, to have a cap that is tethered to the container that prevents the separation of the cap from the container when the cap is removed from the container.	12/12/2024: INTRODUCED.
CA SB 52 (Perez S (D))	Housing Rental Rates and Occupancy Levels: Algorithmic		Makes it unlawful for any person to sell, license, or otherwise provide to a landlord an algorithmic device that advises on rental rates or occupancy levels for residential dwelling units, and would also make it unlawful for a landlord to use an algorithmic device to set rental rates or occupancy levels for residential dwelling units.	12/20/2024: INTRODUCED.
CA SB 53 (Wiener (D))	Artificial Intelligence: Frontier Models		Declares the intent of the Legislature to enact legislation that would establish safeguards for the development of AI frontier models and that would build state capacity for the use of AI, that may include, but is not limited to, the findings of the Joint California Policy Working Group on AI Frontier Models established by the Governor.	01/07/2025: INTRODUCED.
CA SB 57 (Padilla (D))	Data Centers: Rates		Enacts Ratepayer and Technological Innovation Protection Act. Requires the Public Utilities Commission, on or before July 1, 2026, to establish a special rate structure for data centers, as defined, that, among other things, protects residential ratepayers and small businesses and prevents cost shifts to those existing ratepayers and ensures electrical grid investments to serve data centers are fully recovered.	01/08/2025: INTRODUCED.

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CA SB 72 (Caballero (D))	The California Water Plan: Long-Term Supply Targets		Revises and recasts certain provisions regarding The California Water Plan to, among other things, require the department to expand the membership of the advisory committee to include tribes, labor, and environmental justice interests. Requires the Department of Water Resources, as part of the 2033 update to the plan, to update the interim planning target for 2050, as provided.	01/15/2025: INTRODUCED.
CA SB 73 (Cervantes (D))	California Environmental Quality Act: Exemptions		Exempts from the California Environmental Quality Act from its requirements certain residential, employment center, and mixed-use development projects meeting specified criteria, including that the project is located in a transit priority area and that the project is undertaken and is consistent with a specific plan for which an environmental impact report has been certified.	01/15/2025: INTRODUCED.
CA SB 74 (Seyarto (R))	Office of Land Use and Climate Innovation		Exempts The California Environmental Quality Act (CEQA) from 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, located in a very low vehicle travel area, as defined.	01/15/2025: INTRODUCED.
CA SB 77 (Grove (R))	State Vehicle Fleet: Zero- Emission Vehicles		Requires the Department of General Services to require a supplier of zero-emission vehicles purchased for the state vehicle fleet to certify that the raw materials used in the manufacturing of the zero-emission vehicles, including, but not limited to, cobalt and lithium, come from mining operations that are free of child labor.	01/15/2025: INTRODUCED.
CA SB 79 (Wiener (D))	Planning and zoning: Housing Development: Transit		Declares the intent of the Legislature to enact legislation that would make housing more affordable for California families, reduce greenhouse gas emissions, and enhance public transit systems by, among other things, requiring the upzoning of land	01/15/2025: INTRODUCED.

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			near rail stations and rapid bus lines to encourage transit-oriented development.	
CA SB 88 (Caballero (D))	Air Resources: Carbon Emissions: Biomass		Requires the State Air Resources Board, on or before January 1, 2027, to finalize the standardized system and historic baseline for Green House Gases. Requires the state board, on or before January 1, 2028, to adopt a method of quantification or a lifecycle model for avoided carbon emissions, including, carbon dioxide, methane, and black carbon, from wildfire from the application of prescribed fire to forest biomass resources and agricultural biomass resources, and to develop a carbon credit protocol.	01/22/2025: INTRODUCED.
CA SB 89 (Weber (D))	Pesticide Use: Glyphosate		States the intent of the Legislature to enact subsequent legislation to restrict the use of pesticides containing glyphosate for nonagricultural purposes.	01/22/2025: INTRODUCED.
CA SB 90 (Seyarto (R))	Safe Drinking Water, Wildfire Prevention, Drought		Includes in the list of eligible projects under Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Bond Act of 2024 grants from the entities for improvements to public evacuation routes in very high and high fire hazard severity zones, mobile rigid dip tanks, as defined, to support firefighting efforts, prepositioned mobile rigid water storage, as defined, and improvements to the response and effectiveness of fire engines and helicopters.	01/22/2025: INTRODUCED.
CA SB 92 (Blakespear (D))	Housing Development: Density Bonuses: Mixed- Use		Revises and recasts the definition of “housing development” for purposes of the Density Bonus Law to instead mean a development project for 5 or more residential units, including mixed-use developments if at least two thirds of the square footage of the mixed-use development is designated for residential use, as specified.	01/22/2025: INTRODUCED.


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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SCR 3 (Laird (D))	Safe Drinking Water Act: 50th Anniversary		Commemorates the 50th anniversary of the Safe Drinking Water Act, celebrates the achievements and progress made under this essential law, and expresses its commitment to the continued protection and improvement of California's drinking water resources.	01/22/2025: In SENATE. Ordered to third reading.
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.	01/07/2025: To HOUSE Committee on NATURAL RESOURCES.
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.	01/13/2025: To HOUSE Committee on 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	SUPPORT	Amends the Infrastructure Investment and Jobs Act to increase surface water and groundwater storage.	01/13/2025: To HOUSE Committee on NATURAL RESOURCES.
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 Land Management, and on Tribal lands to return resilience to overgrown, fire prone forested lands, and for other purposes.	01/23/2025: In HOUSE. Passed HOUSE. *****To SENATE.
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.

IRWD 2025 LEGISLATIVE MATRIX

Updated: *January 28, 2025*

Bill No. Author	Title	IRWD Position	Summary/Effects	Status

February 24, 2025
Prepared by: E. Akiyoshi
Submitted by: F. Sanchez / P. Weghorst
Approved by: Paul A. Cook 

CONSENT CALENDAR

WATER SUPPLY ASSESSMENT AND WATER SUPPLY VERIFICATION FOR THE VISTA POINT PROJECT

SUMMARY:

In December 2024, staff received a request from the City of Irvine to prepare a Water Supply Assessment (WSA) and Water Supply Verification (WSV) for the Vista Point Project, located in IRWD's Planning Area 25. Staff prepared the WSA and WSV for the proposed project and recommends Board approval of both documents.

BACKGROUND:

The proposed Vista Point Project in the City of Irvine is designed for the construction of 2,500 new residential dwelling units on approximately 40 acres of the University Research Park area. The project site is located in Planning Area 25, along Academy Way. The project is included in the existing City of Irvine General Plan. A location map of the Vista Point Project is provided as Exhibit "A."

In December, the City of Irvine requested that IRWD prepare both a WSA and WSV for the Vista Point 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 Vista Point 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 2045 show an increase in IRWD potable water demands of 330 acre-feet per year (AFY) from 84,527 AF at baseline demand to 84,857 AF with the project. In addition, non-potable demand increases by 13 AFY in 2045 from 29,326 AF at baseline to 29,339 AF with the project. This demand is in addition to the existing and planned future uses including, but not limited to, agricultural and manufacturing. 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 February 6, 2025, Water Resources Policy and Communications Committee meeting.

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 VISTA POINT PROJECT.

LIST OF EXHIBITS:

Exhibit "A" – Vista Point Project Location Map
Exhibit "B" – Water Supply Assessment for the Vista Point Project
Exhibit "C" – Water Supply Verification for the Vista Point Project

Vista Point Project in PA25



Note: This page is intentionally left blank.

Exhibit "B"

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

To: (Lead Agency)

City of Irvine
One Civic Center Plaza
Irvine, CA 92623-9575

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

Project Information

Project Title: Vista Point

- ☒ Residential: No. of dwelling units: 2,500 dwelling units (See Attachment "B")
☐ Shopping center or business: No. of employees N/A Sq. ft. of floor space N/A
☐ 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:

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.

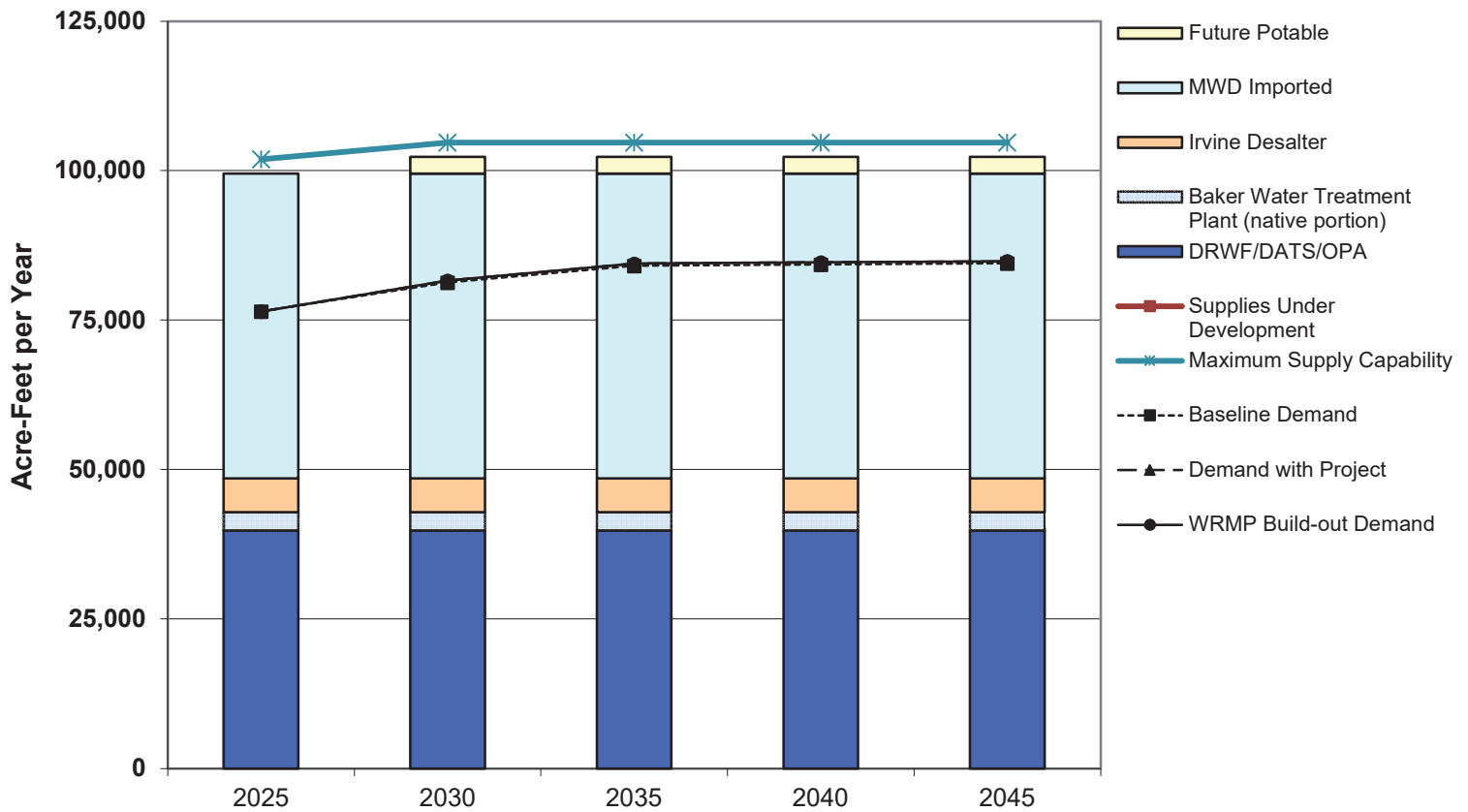
As discussed under "*IRWD's Evaluation of Effect of Reduced MWD Supplies to IRWD*" (see above), IRWD has effectively analyzed an imported water supply reduction up to a level 5 Regional Shortage Stage in Figures 1a, 2a, 3a. These Figures, however, do not reflect a reduction in demands, thus representing 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.

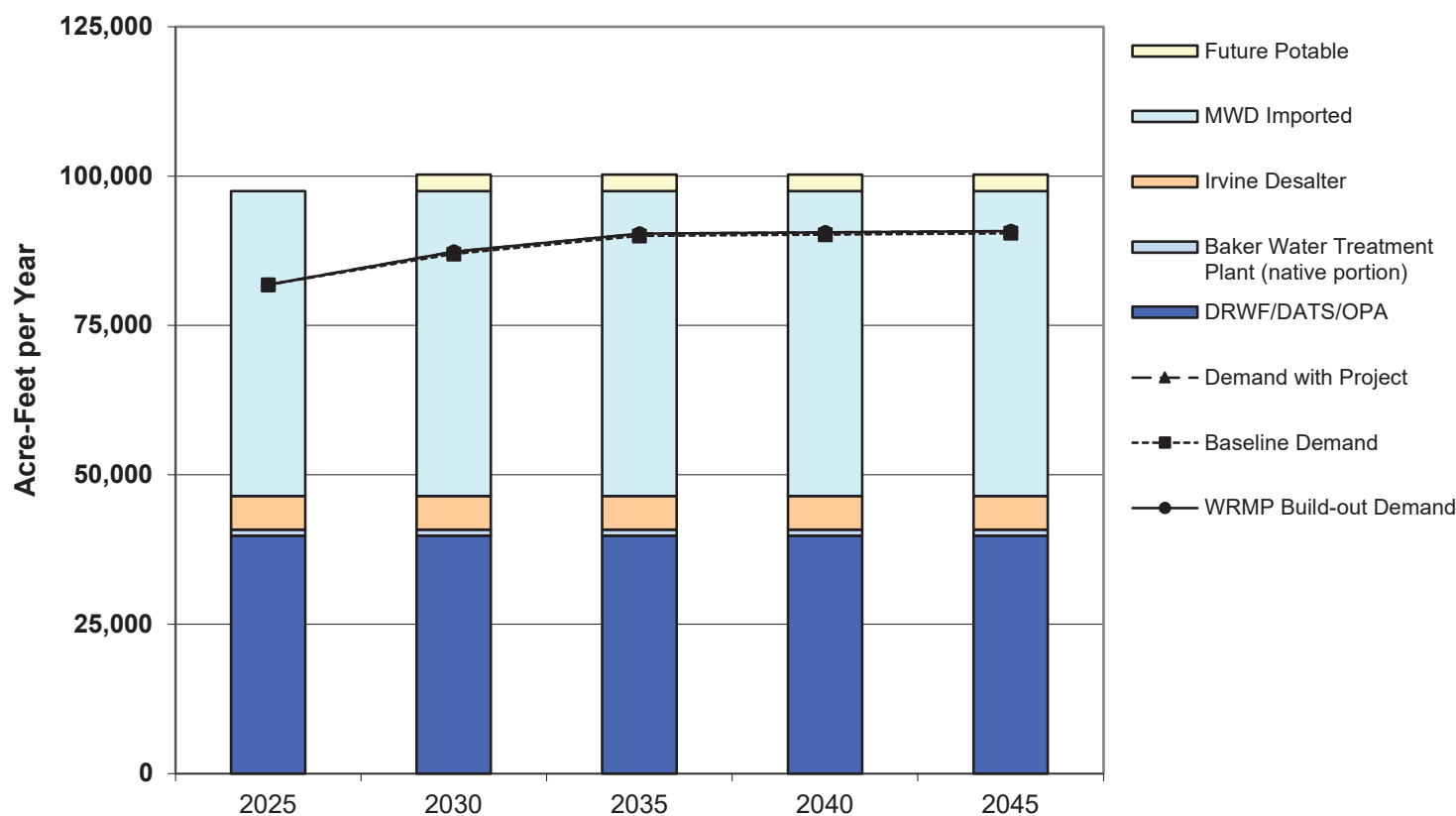
Figure 1
IRWD Normal-Year Supply & Demand - Potable Water



(in acre-feet per year)	2025	2030	2035	2040	2045
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Baker)	51,027	51,027	51,027	51,027	51,027
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)	3,048	3,048	3,048	3,048	3,048
Supplies Under Development					
Future Potable	-	2,800	2,800	2,800	2,800
Maximum Supply Capability	101,911	104,711	104,711	104,711	104,711
Baseline Demand	76,462	81,275	84,106	84,316	84,527
Demand with Project	76,459	81,603	84,434	84,645	84,857
WRMP Build-out Demand	76,459	81,603	84,434	84,645	84,857
Reserve Supply with Project	25,452	23,108	20,277	20,066	19,854

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.

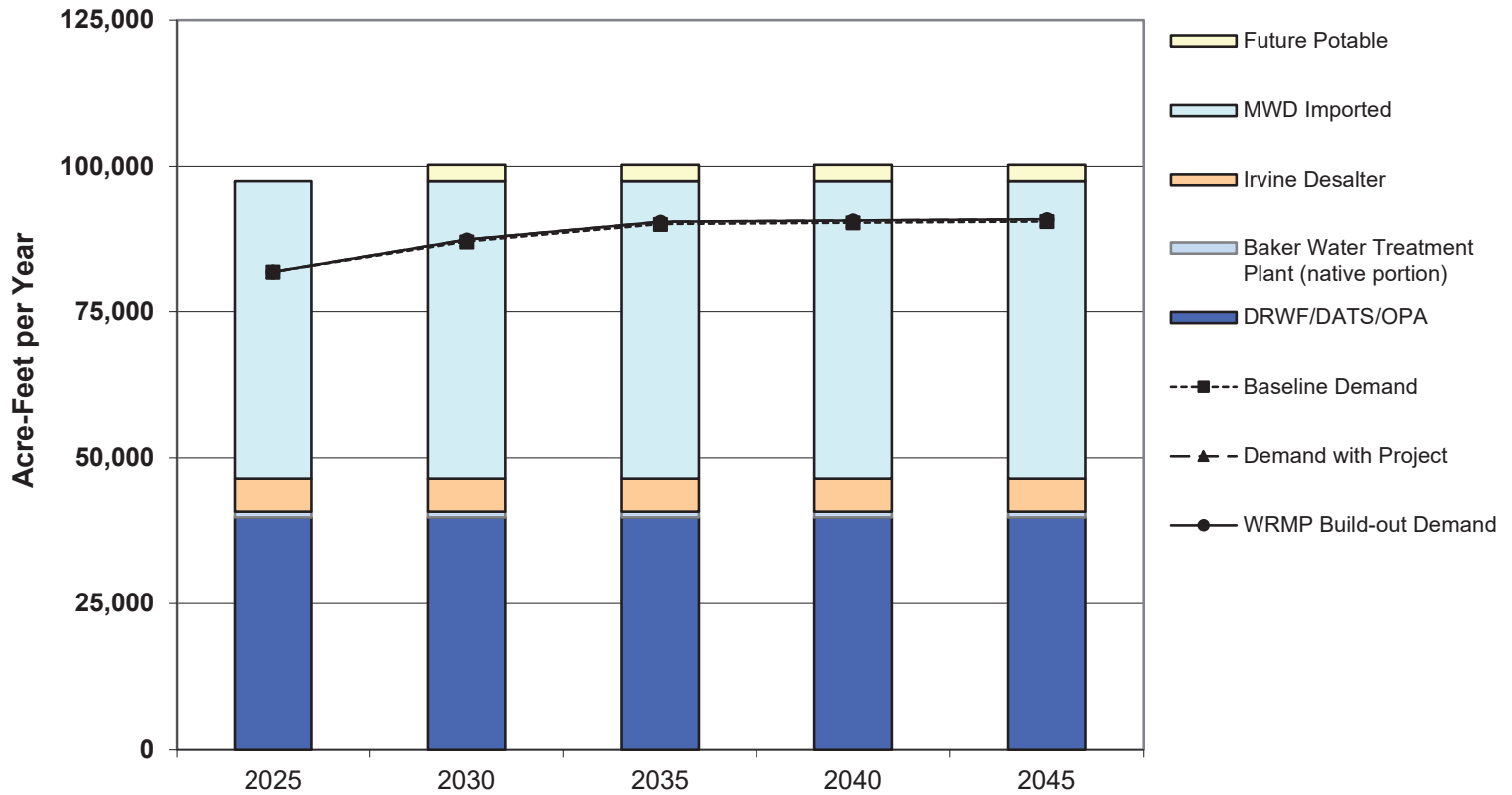
Figure 2
IRWD Single Dry-Year Supply & Demand - Potable Water



(in acre-feet per year)	2025	2030	2035	2040	2045
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Baker)	51,027	51,027	51,027	51,027	51,027
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	99,863	102,663	102,663	102,663	102,663
Baseline Demand	81,815	86,964	89,993	90,218	90,444
Demand with Project	81,811	87,315	90,344	90,570	90,797
WRMP Build-out Demand	81,811	87,315	90,344	90,570	90,797
Reserve Supply with Project	18,052	15,348	12,319	12,093	11,866

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

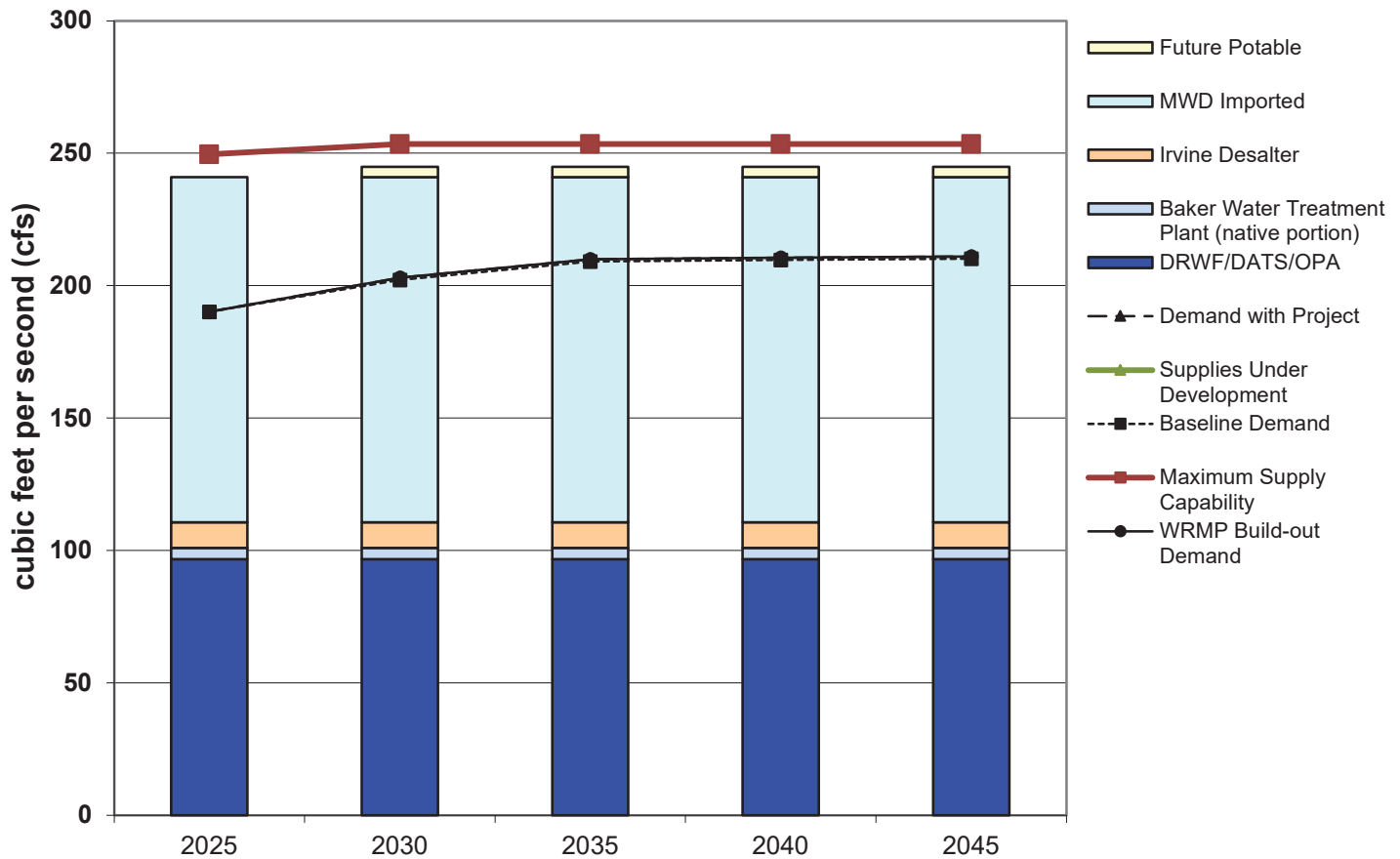
Figure 3
IRWD Multiple Dry-Year Supply & Demand - Potable Water



(in acre-feet per year)	2025	2030	2035	2040	2045
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Baker)	51,027	51,027	51,027	51,027	51,027
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	99,863	102,663	102,663	102,663	102,663
Baseline Demand	81,815	86,964	89,993	90,218	90,444
Demand with Project	81,811	87,315	90,344	90,570	90,797
WRMP Build-out Demand	81,811	87,315	90,344	90,570	90,797
Reserve Supply with Project	18,052	15,348	12,319	12,093	11,866

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

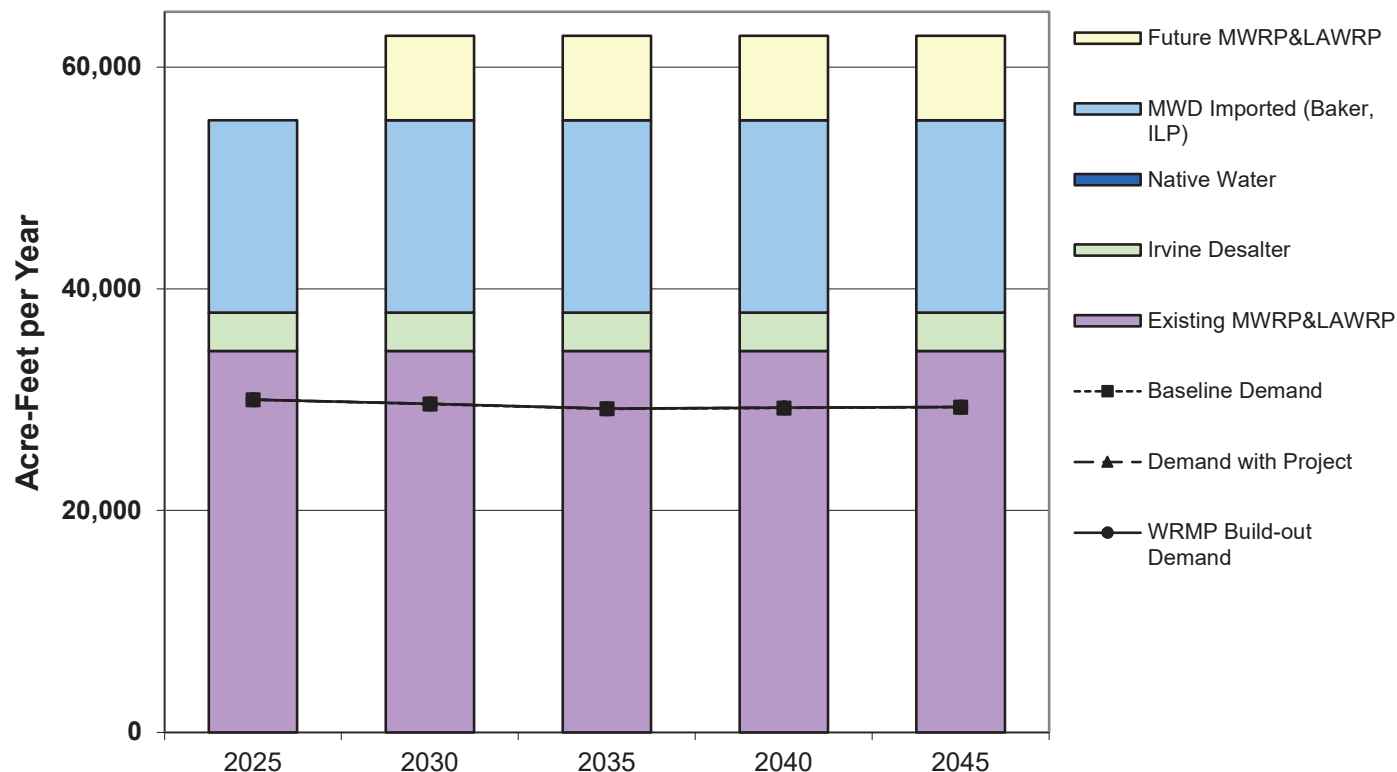
Figure 4
IRWD Maximum-Day Supply & Demand - Potable Water



(in cfs)	2025	2030	2035	2040	2045
<u>Current Potable Supplies</u>					
MWD Imported (EOCF#2, AMP, OCF, Baker)	130.4	130.4	130.4	130.4	130.4
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)	4.2	4.2	4.2	4.2	4.2
<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	190.1	202.1	209.1	209.6	210.2
Demand with Project	190.1	202.9	209.9	210.4	211.0
WRMP Build-out Demand	190.1	202.9	209.9	210.4	211.0
Reserve Supply with Project	59.5	50.6	43.5	43.0	42.5

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

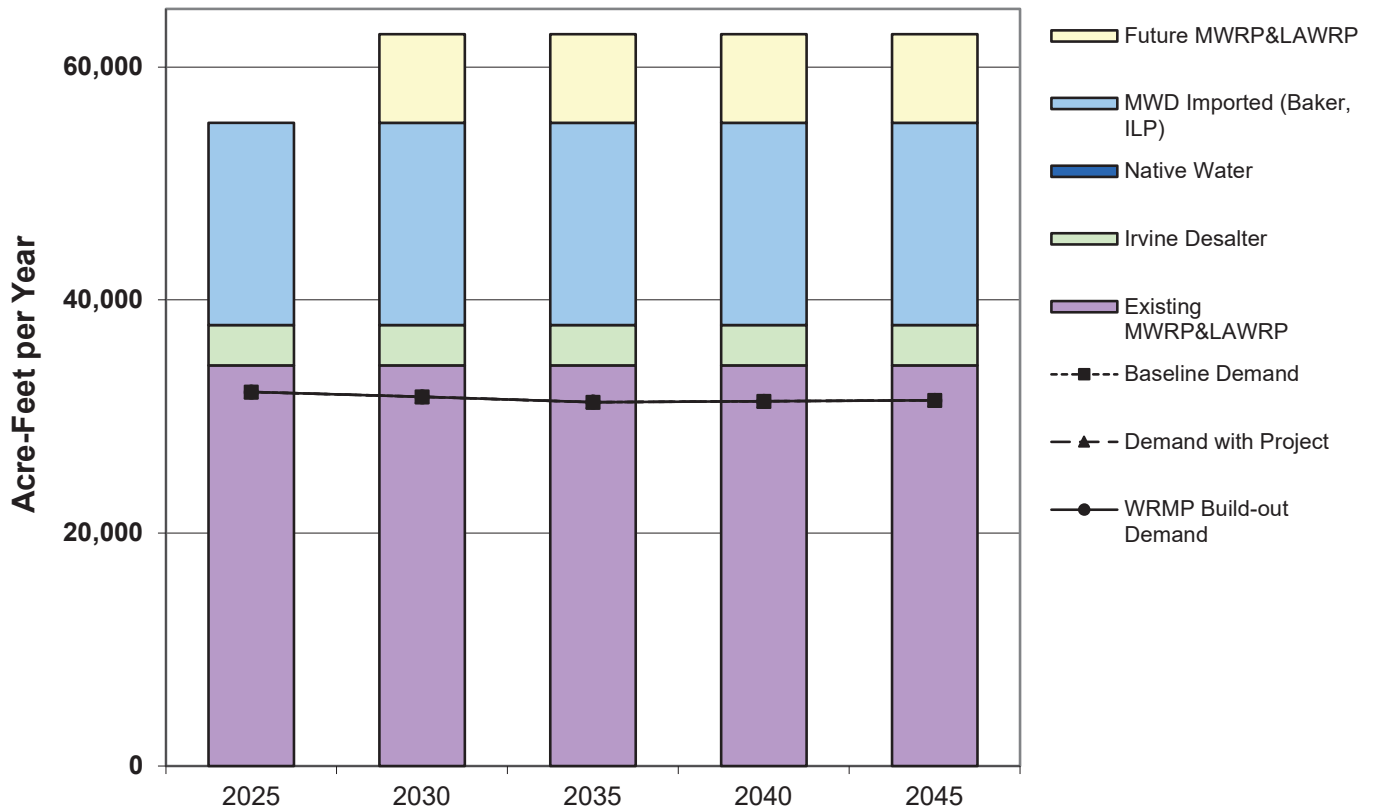
Figure 5
IRWD Normal-Year Supply & Demand - Nonpotable Water



(in acre-feet per year)	2025	2030	2035	2040	2045
<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)	17,347	17,347	17,347	17,347	17,347
Irvine Desalter	3,461	3,461	3,461	3,461	3,461
Native Water	-	-	-	-	-
Maximum Supply Capability	55,197	62,820	62,820	62,820	62,820
Baseline Demand	30,008	29,610	29,179	29,252	29,326
Demand with Project	30,006	29,623	29,193	29,266	29,339
WRMP Build-out Demand	30,006	29,623	29,193	29,266	29,339
Reserve Supply with Project	25,191	33,197	33,627	33,554	33,481

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



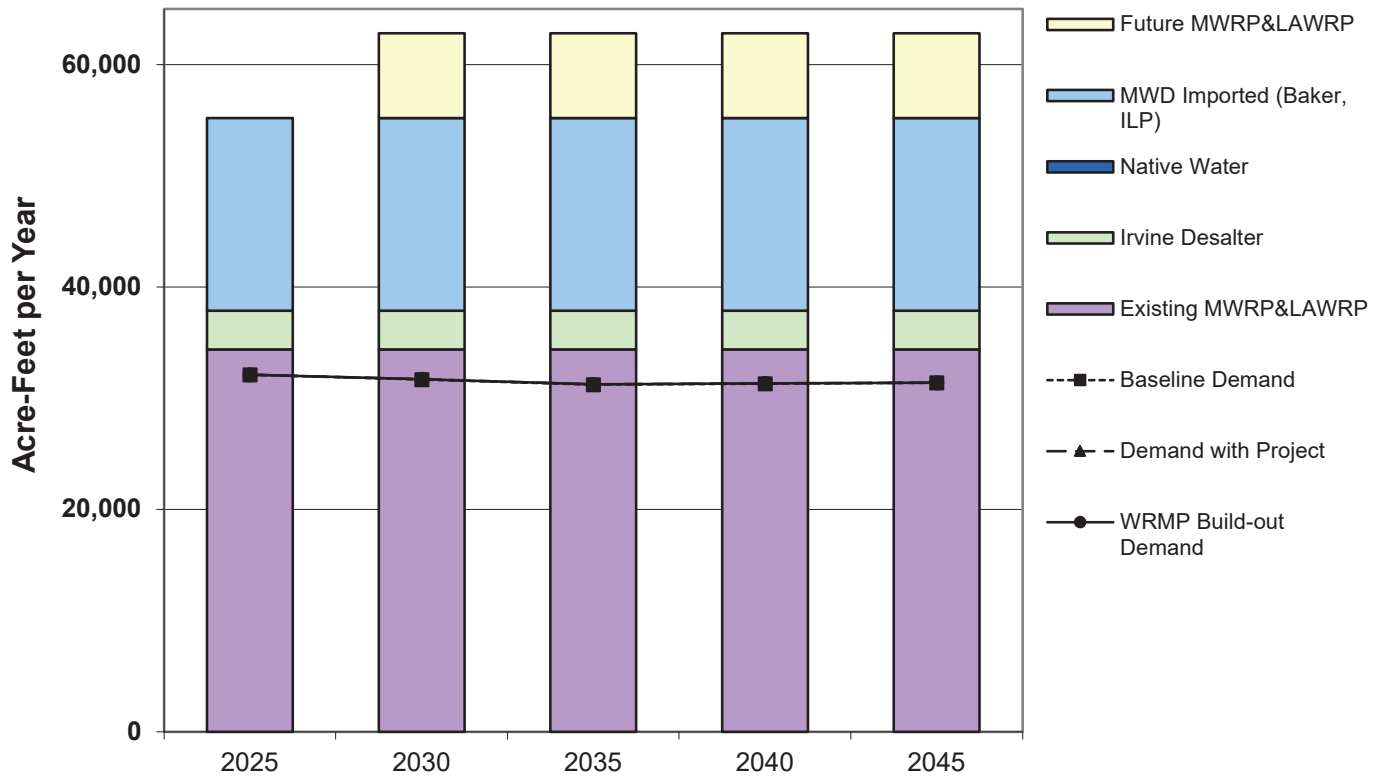
(in acre-feet per year)	2025	2030	2035	2040	2045
Current Nonpotable Supplies					
Existing MWRP&LAWRP	34,389	34,389	34,389	34,389	34,389
Future MWRP&LAWRP	-	7,623	7,623	7,623	7,623
MWD Imported (Baker, ILP)	17,347	17,347	17,347	17,347	17,347
Irvine Desalter	3,461	3,461	3,461	3,461	3,461
Native Water	-	-	-	-	-
Maximum Supply Capability	55,197	62,820	62,820	62,820	62,820
Baseline Demand	32,108	31,682	31,222	31,300	31,378
Demand with Project	32,107	31,697	31,236	31,314	31,393
WRMP Build-out Demand	32,107	31,697	31,236	31,314	31,393
Reserve Supply with Project	23,090	31,123	31,584	31,506	31,427

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

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

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



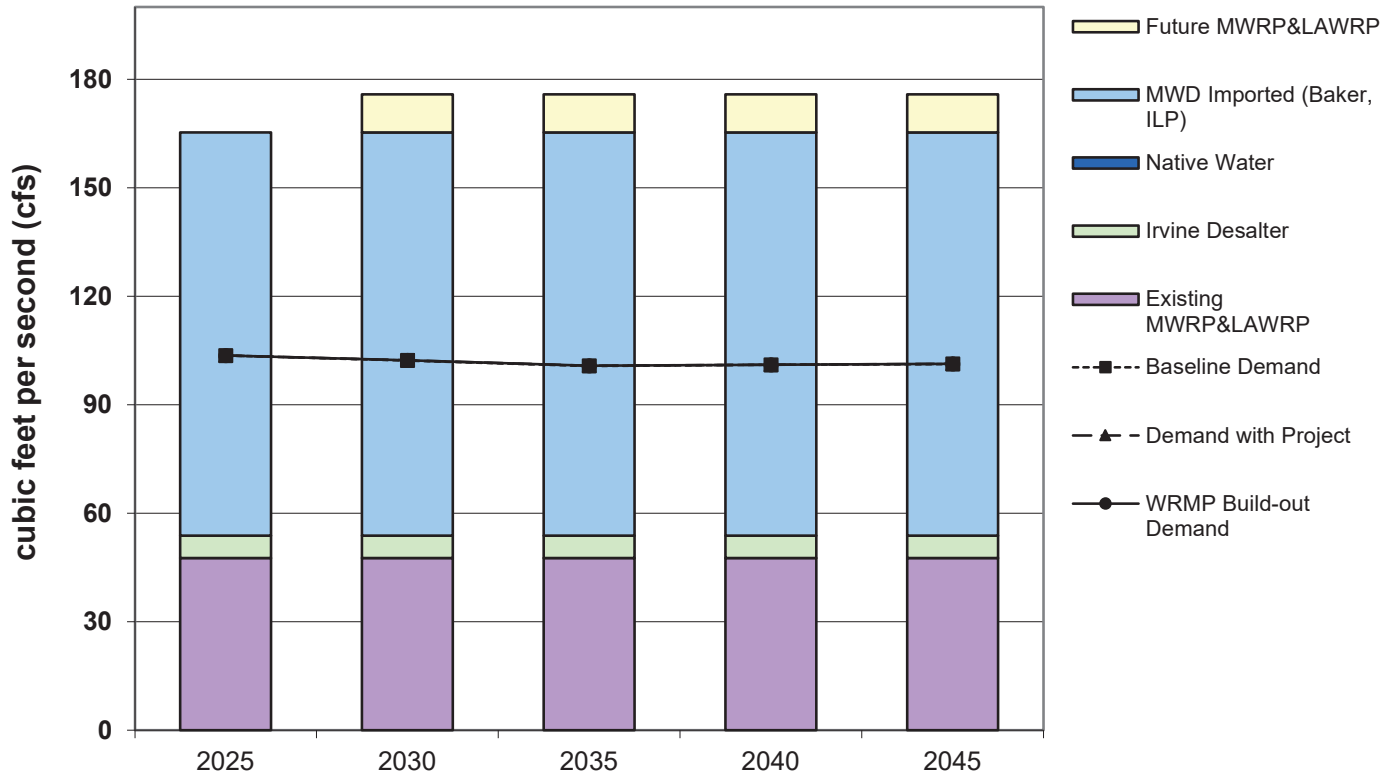
(in acre-feet per year)	2025	2030	2035	2040	2045
Current Nonpotable Supplies					
Existing MWRP&LAWRP	34,389	34,389	34,389	34,389	34,389
Future MWRP&LAWRP	-	7,623	7,623	7,623	7,623
MWD Imported (Baker, ILP)	17,347	17,347	17,347	17,347	17,347
Irvine Desalter	3,461	3,461	3,461	3,461	3,461
Native Water	-	-	-	-	-
Maximum Supply Capability	55,197	62,820	62,820	62,820	62,820
Baseline Demand	32,108	31,682	31,222	31,300	31,378
Demand with Project	32,107	31,697	31,236	31,314	31,393
WRMP Build-out Demand	32,107	31,697	31,236	31,314	31,393
Reserve Supply with Project	23,090	31,123	31,584	31,506	31,427

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

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

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

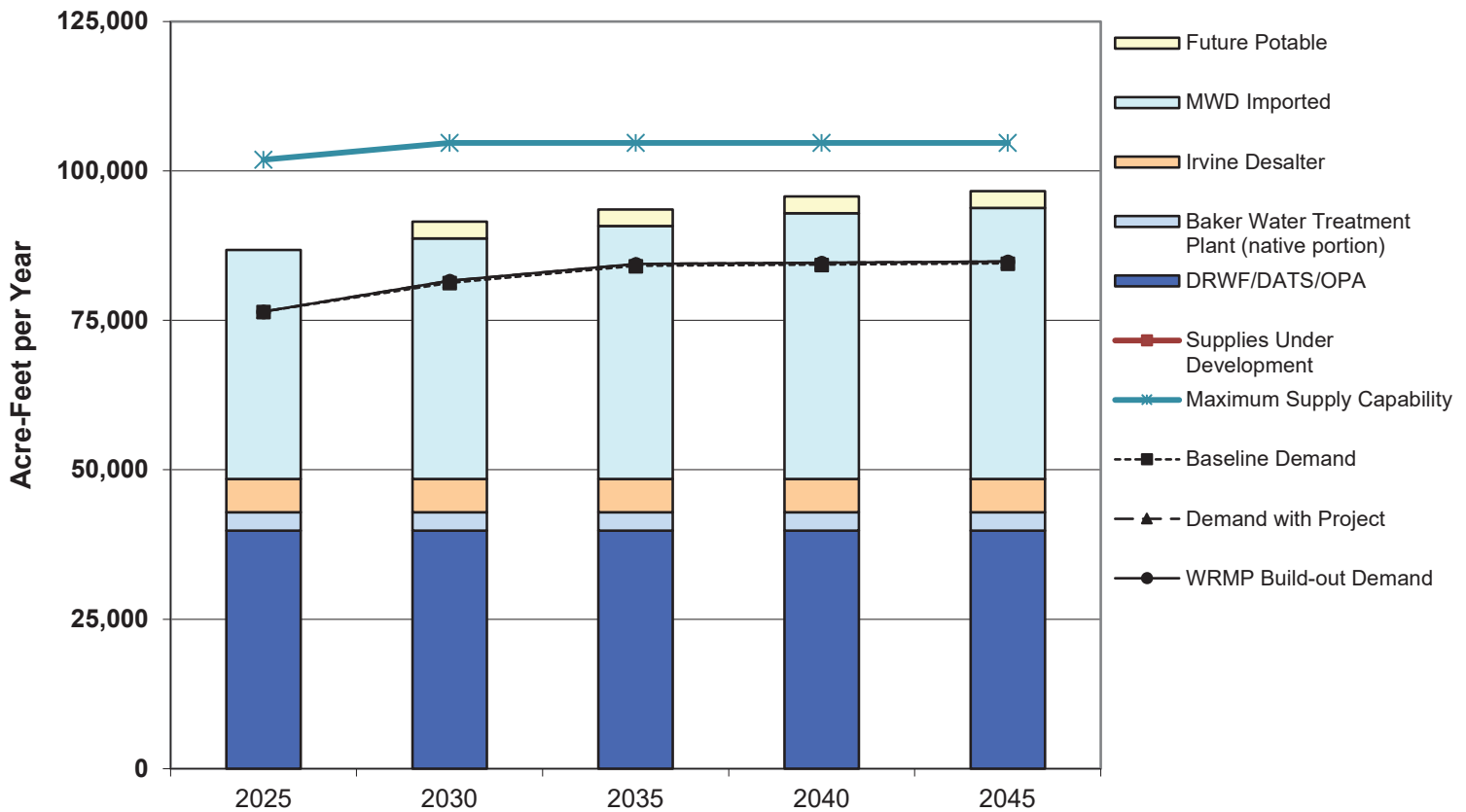
Figure 8
IRWD Maximum-Dry Supply & Demand - Nonpotable Water



(in cfs)	2025	2030	2035	2040	2045
<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	103.6	102.2	100.8	101.0	101.3
Demand with Project	103.6	102.3	100.8	101.1	101.3
WRMP Build-out Demand	103.6	102.3	100.8	101.1	101.3
Reserve Supply with Project	61.7	73.5	75.0	74.8	74.5

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

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

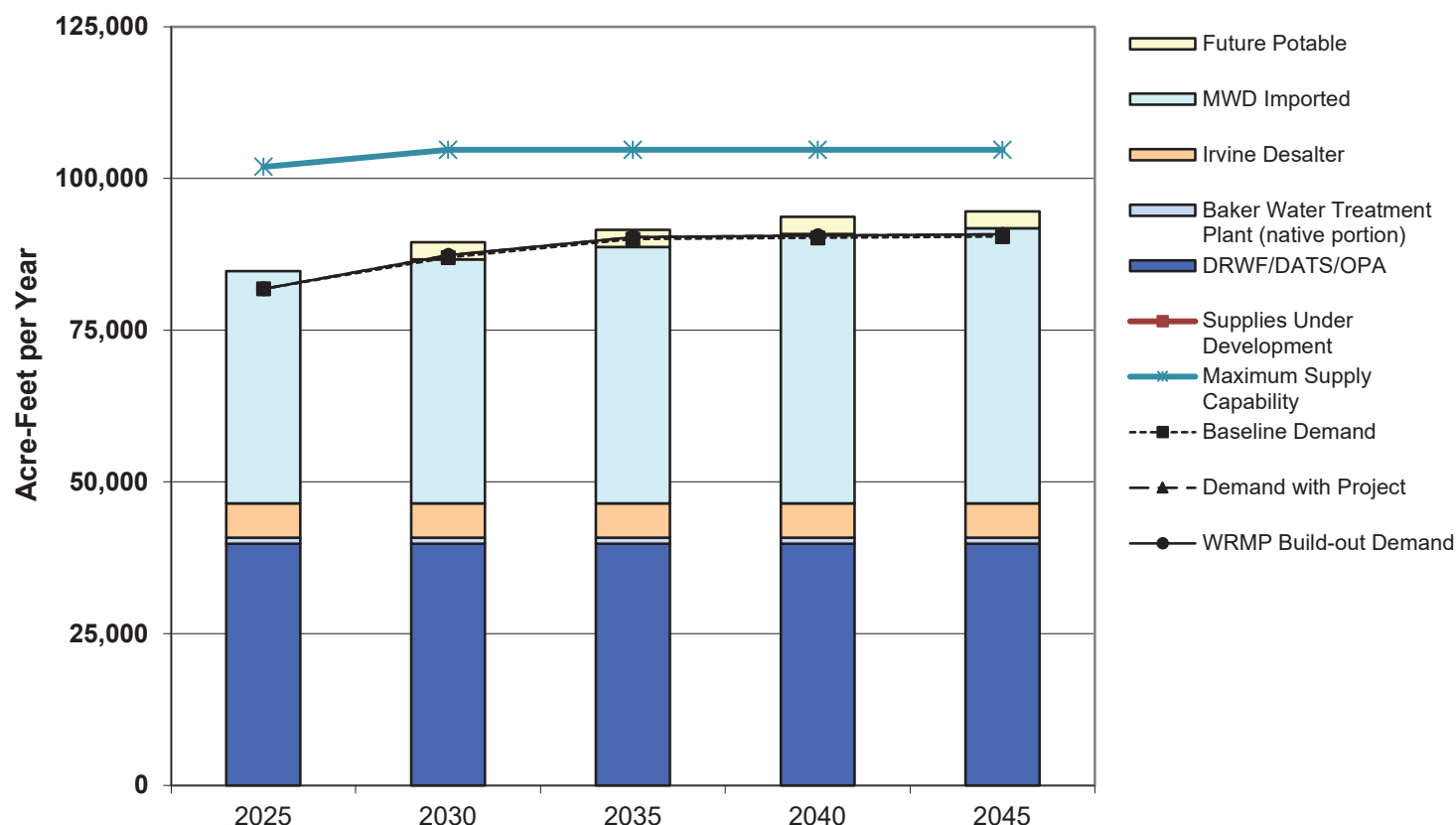


(in acre-feet per year)	2025	2030	2035	2040	2045
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Baker)	38,270	40,222	42,274	44,430	45,323
DRWF/DATS/OPA	39,818	39,818	39,818	39,818	39,818
Irvine Desalter	5,618	5,618	5,618	5,618	5,618
Wells 21 & 22	2,400	2,400	2,400	2,400	2,400
Baker Water Treatment Plant (native portion)	3,048	3,048	3,048	3,048	3,048
Supplies Under Development					
Future Potable	-	2,800	2,800	2,800	2,800
Maximum Supply Capability	89,154	93,906	95,958	98,114	99,007
Baseline Demand	76,462	81,275	84,106	84,316	84,527
Demand with Project	76,459	81,603	84,434	84,645	84,857
WRMP Build-out Demand	76,459	81,603	84,434	84,645	84,857
Reserve Supply with Project	12,695	12,304	11,525	13,470	14,151

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



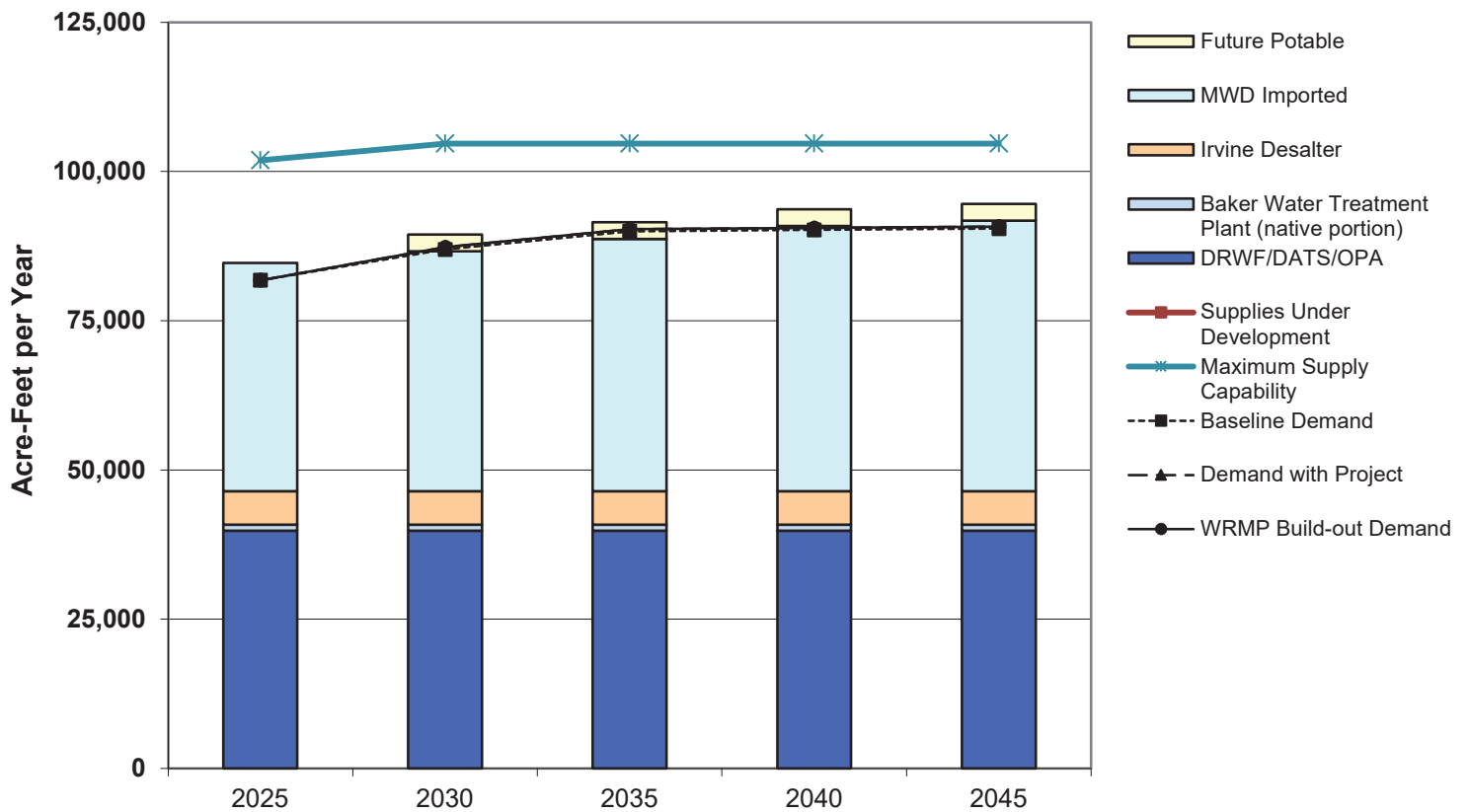
(in acre-feet per year)

	2025	2030	2035	2040	2045
<u>Current Potable Supplies</u>					
MWD Imported (EOCF#2, AMP, OCF, Baker)	38,270	40,222	42,274	44,430	45,323
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	87,106	91,858	93,910	96,066	96,959
Baseline Demand	81,815	86,964	89,993	90,218	90,444
Demand with Project	81,811	87,315	90,344	90,570	90,797
WRMP Build-out Demand	81,811	87,315	90,344	90,570	90,798
Reserve Supply with Project	5,295	4,543	3,566	5,496	6,163

*For illustration purposes, IRWD has shown MWD Imported Supplies as estimated under a MWD short-term allocation up to a level 5 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. 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	2045
<u>Current Potable Supplies</u>					
MWD Imported (EOCF#2, AMP, OCF, Baker)	38,270	40,222	42,274	44,430	45,323
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	87,106	91,858	93,910	96,066	96,959
Baseline Demand	81,815	86,964	89,993	90,218	90,444
Demand with Project	81,811	87,315	90,344	90,570	90,797
WRMP Build-out Demand	81,811	87,315	90,344	90,570	90,797
Reserve Supply with Project	5,295	4,543	3,566	5,496	6,163

*For illustration purposes, IRWD has shown MWD Imported Supplies as estimated under a MWD short-term allocation up to a level 5 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. measures as described in the 2020 UWMP. Under a MWD Allocation, the Baker WTP would be limited to available MWD and native water.

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 updated in the following table:

	Max Day (cfs)	Avg. Annual (AFY)	Annual by Category (AFY)
Current Supplies			
Potable - Imported 10			
East Orange County Feeder No. 2	41.4	18,746	1
Allen-McColloch Pipeline*	64.7	29,296	1
Orange County Feeder	18.0	8,150	1
	124.1	56,192	
Potable - Treated Surface			
Baker Treatment Plant (Imported) 10	6.3	4,554	6
Baker Treatment Plant (Native)	4.2	3,048	6
Potable - Groundwater			
Dyer Road Wellfield	80.0	28,000	2
OPA Well	4.4	3,200	11
Deep Aquifer Treatment System-DATS	12.3	8,618	2
Wells 21 & 22	8.6	2,400	2
Irvine Desalter	9.7	5,618	3
Total Potable Current Supplies	249.6		113,273
Nonpotable - Recycled Water			
MWRP (25.2 mgd)	39.1	28,228	4
LAWRP (5.5 mgd)	8.5	6,161	4
Future MWRP & LAWRP	10.6	7,623	5
			42,012
Nonpotable - Imported 10			
Baker Aqueduct	40.2	11,651	6
Irvine Lake Pipeline	65.0	9,000	7
	105.2	20,651	
Nonpotable - Groundwater			
Irvine Desalter-Nonpotable	6.2	3,461	8
Nonpotable Native			
Irvine Lake (see Baker Treatment Plant above)	4.2	3,048	8,9
Total Nonpotable Current Supplies (Excludes Native)	169.6		66,124
Total Combined Current Supplies	419.2		179,397
Supplies Under Development			
Potable Supplies			
Future Groundwater Production Facilities	3.9	2,800	
Total Under Development	3.9	2,800	
Total Supplies			
Potable Supplies	253.4		116,073
Nonpotable Supplies	169.6		66,124
Total Supplies (Current and Under Development)	423.0		182,197

1 Based on converting maximum day capacity to average by dividing the capacity by a peaking factor of 1.6. Max Day is equivalent to Treatment Plant Production.

2 Contract amount - See Assessment Potable Supply-Groundwater(iii). Due to groundwater limitations, value changed from 6,329 AF to 2,400 AF.

3 Contract amount - See Assessment Potable Supply-Groundwater (iv) and (v). Maximum day well capacity is compatible with contract amount.

4 MWRP 28.0 mgd treatment capacity (28,228 AFY RW production) with 90% plant efficiency (25.2 mgd) and LAWRP permitted 5.5 mgd tertiary treatment capacity (6,161 AFY).

5 Future estimated MWRP & LAWRP recycled water production. Includes biosolids and expansion to 33 mgd.

6 Since 2017, Baker Water Treatment Plant (WTP) treats imported and native water. Baker Aqueduct capacity has been allocated to Baker WTP participants and IRWD owns 46.50 cfs in Baker Aqueduct, of which 10.5 cfs is for for potable treatment. IRWD has 36 cfs remaining capacity for non-potable uses. The nonpotable average use is based on converting maximum day capacity to average by dividing the capacity by a peaking factor of 2.5 (see Assessment 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. The amount shown in the table remains 10.5 cfs.

7 Based on IRWD's proportion of Irvine Lake imported water storage; Actual ILP capacity would allow the use of additional imported water from MWD through the Santiago Lateral.

8 Contract amount - See Assessment Nonpotable Supply-Groundwater (i) and (ii). Maximum day well capacity (cfs) is compatible with contract amount.

9 Based on 70+ years historical average of Santiago Creek Inflow into Irvine Lake. Since 2020, native water is treated through Baker WTP.

10 Supplies in this table are total and are not adjusted to account for any reductions in imported water.

11 Per Agreement with the City of Orange, average annual capacity increased to 3,200 acre-feet.

*64.7 cfs is current assigned capacity; based on increased peak flow, IRWD can purchase 10 cfs more (see page 25 (b)(1)(iii)).

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 shown in the following table:

(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.

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

(v) Agreement For Joint Exercise of Powers For Construction, Operation and

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

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.

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

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.

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. The foregoing permit and licenses, jointly held by IRWD (as successor to The Irvine Company (“TIC”) and Carpenter Irrigation District (“CID”)) and Serrano Water District (“SWD”), secure appropriative rights to the flows of Santiago Creek. Under Licenses 2347 and 2348, IRWD and SWD have

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

the right to diversion by storage at Santiago Dam (Irvine Lake) and a submerged dam, of a total of 25,000 AFY. Under Permit No. 19306, IRWD and SWD have the right to diversion by storage of an additional 3,000 AFY by flashboards at Santiago Dam (Irvine Lake). (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 under these licenses and permit is 28,000 AFY. A 1996 amendment to License Nos. 2347, 2348 and 2349 [replaced by Permit No. 19306 in 1984] limits the withdrawal of water from the Lake to 15,483 AFY under the licenses. This limitation specifically references the licenses and doesn't reference water stored pursuant to other legal entitlements. The use and allocation of the native water is governed by the agreements described in the next paragraph.

(ii) Agreement, dated February 6, 1928 ("1928 Agreement"); Agreement, dated May 15, 1956, as amended November 12, 1973 ("1956 Agreement"); Agreement, dated as of December 21, 1970 ("1970 Agreement"); Agreement Between Irvine Ranch Water District and The Irvine Company Relative to Irvine Lake and the Acquisition of Water Rights In and To Santiago Creek, As Well As Additional Storage Capacity in Irvine Lake, dated as of May 31, 1974 ("1974 Agreement"). The 1928 Agreement was entered into among SWD, CID and TIC, providing for the use and allocation of native water in Irvine Lake. Through the 1970 Agreement and the 1974 Agreement, IRWD acquired the interests of CID and TIC, leaving IRWD and SWD as the two co-owners. TIC retains certain reserved rights.

The 1928 Agreement divides the stored native water by a formula which allocates to IRWD one-half of the first 1,000 AF, plus increments that generally yield three-fourths of the amount over 1,000 AF.¹⁰ The agreements also provide for evaporation and spill losses and carryover water remaining in the Lake at the annual allocation dates. Given the dependence of native water on rainfall, for purposes of this assessment only a small portion of IRWD's share of the 28,000 AFY of native water rights (3,048 AFY in normal years and 1,000 AFY in single and multiple-dry years) is shown in currently available supplies, based on averaging of historical data. However, IRWD's ability to supplement Irvine Lake storage with its imported untreated water supplies, described herein, offsets the uncertainty associated with the native water supply.

• 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.

¹⁰ The 1956 Agreement provides for facilities to deliver MWD imported water into Irvine Lake, and grants storage capacity for the imported water. By succession, IRWD owns 9,000 AFY of this 12,000 AFY imported water storage capacity. This storage capacity does not affect availability of the imported supply, which can be either stored or delivered for direct use by customers.

(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, 2015¹¹. 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

¹¹ 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.

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)

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 ¹²
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
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

¹² 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.

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)	DRWF ¹³	Future GW ¹⁴	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).

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.¹⁵ Sufficient replenishment supplies are projected by the OCWD MPR to be

¹³ 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.

¹⁴ Under-development.

¹⁵ 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.

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 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

PA25



Attachment "B"

Uses Included in Project

December 11, 2024

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

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

The City of Irvine hereby requests an assessment of water supply availability for the below-described project. The [[City]] has determined that the project is a "project" as defined in Water Code §10912, and has determined that [[an environmental impact report/negative declaration/mitigated negative declaration]] is required for the project.

Proposed Project Information

Project Title: Vista Point

Location of project: Academy Way, Irvine, CA 92617 (University Research Park 9 – Planning Area 25)

- ☒ (For projects requiring a new assessment under Water Code §10910 (h).) Previous Water Supply Assessment including this project was prepared on: June 2019. This application requests a new Water Supply Assessment, due to the following (check all 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
- (Enclose maps and exhibits of the project)

Type of Development:

- ☒ Residential: No. of dwelling units: 2,500 (1,300 additional units from previous WSA)
- ☐ 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: _____

Total acreage of project: 39.91 gross acres

Acreage devoted to landscape:

Greenbelt _____ golf course _____ parks _____
Agriculture _____ other landscaped areas 42%

Number of schools _____ Number of public facilities _____

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:

N/A

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

Current uses: vacant land and professional offices.

General Plan land use and zoning designations for properties zoned 5.5 Medical and Science would be changed to a "Multi Use" designation and 2,500 units would be moved from other areas in the city anticipated to be developed with residential units as evaluated in the City of Irvine 2045 General Plan Update Final Program Environmental Impact Report (GPU EIR).

Is the project included in the existing General Plan? No
If no, describe the existing General Plan Designation See land use note above

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 IRVINE

By: 

Eric Martin, Senior Planner

REQUEST RECEIVED:

Date: 12/11/2024

By: 

Irvine Ranch Water District

REQUEST COMPLETE:

Date: _____

By: _____

Irvine Ranch Water District

Exhibit "C"

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

To: (Lead Agency)
City of Irvine
One Civic Center Plaza
Irvine, CA 92623-9575

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

Project Information

Project Title: Vista Point

☒ Tentative Tract No. 2024-116 ☐ Verification requested prior to tentative map application

Number of residential units in Project: 2,500

Uses in Project including non-residential (type, no. of employees, sq. ft. of floor space, acreage)
(see Attachment "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 _____, Vista Point. A copy of the Assessment is attached hereto and incorporated herein by this reference (see Exhibit "B").

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 _____

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	1990	1995	2000	2005	2010	2015	2020
Potable – imported	44,401	28,397	36,777	19,306	15,227	13,674	15,904
Potable – groundwater	10,215	20,020	20,919	37,160	42,089	54,616	42,374
Nonpotable - recycled	11,589	10,518	14,630	15,296	20,847	21,770	26,412
Nonpotable - imported	24,899	2,333	16,343	5,304	5,562	7,869	1,528
Nonpotable – groundwater	816	1,834	2,890	2,285	3,761	3,462	4,795
Nonpotable – native	2,778	5,980	4,949	7,251	837	6,205	1,682
Total	94,698	69,082	96,508	86,602	88,323	107,596	92,695

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

PA25



Attachment "B"

Uses Included in Project

November 15, 2024

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

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

The City of Irvine hereby requests verification of the availability of a sufficient water supply for the below-described project. Under Government Code §66473.7(b)(1), written verification of the availability of a 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.

The City has determined that the subject project (1) includes a subdivision meeting the criteria requiring verification of availability of sufficient water supply and (2) does not fall within one of the statutory exemptions for previously developed urban sites, sites surrounded by urban use, or low-income housing sites.

Proposed Project Information

Project Title: Vista Point

Location of project: Academy Way, Irvine, CA 92617 (University Research Park 9)

Planning Area(s): 25
(Enclose a project map and exhibits)

Was the project included as part of a previously completed Water Supply Assessment (Water Code §10910)? ☒ yes ☐ no Revised to new WSA, Requested 12-11-2024, "Vista Point"
If yes, date and project title of Water Supply Assessment June 11, 2019 – University Research Park 9 (URP)

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

Was a Water Supply Verification previously completed for the project? ☒ yes ☐ no
If yes, indicate reason for reverification: ☐ tract map expiration ☐ new Water Supply Assessment required due to project revisions, changed circumstances or new information

☐ Tentative Map Application No.* 00925635-PTP ☐ Tentative Tract No.* 2024-116
☒ 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: _____, (Government Code §66455.3))


Type of development included in the project:
☒ Residential: No. of dwelling units: 2,500
☐ Shopping center or business: No. of employees _____ Sq. ft. of floor space _____

Note: This page is intentionally left blank.

February 24, 2025

Prepared by: C. Smithson / C. Collins

Submitted by: N. Adly

Approved by: Paul A. Cook 

CONSENT CALENDAR

RESOLUTION ADOPTING RATES, APPEAL, AND EXHAUSTION

SUMMARY:

Proposition 218 established certain procedural requirements and limitations that agencies must follow to adopt property-related fees for water or sewer service. Assembly Bill 2257 (2024) authorizes agencies to adopt a procedure that requires any legal objections to a fee structure to be timely made in writing and allows the District to respond to and resolve any objections prior to the Board adopting proposed rates. Adopting this procedure will protect the District against unanticipated legal challenges to its fee structure and will ensure a clear administrative record of the basis for, and any legal objections to, the fee structure.

Staff recommends approval of Exhibit “A”, a resolution entitled Establishing a Procedure for Ratepayer Objections to Proposed Water and Sewer Fees and Charges.

BACKGROUND:

The District’s current budget and rate setting practice includes adopting water and sewer fees and charges in accordance with procedures outlined in Article XIII D of the California Constitution, commonly referred to as “Proposition 218.” Proposition 218 establishes certain procedural requirements and substantive limitations that a local public agency must follow to adopt a property-related fee, charge, or assessment (“fee”) for water or sewer service.

Staff recommends that the Board adopt the attached resolution, which will establish an exhaustion of administrative remedies procedure (“exhaustion procedure”) consistent with Assembly Bill No. 2257 (2024) (chaptered at Government Code sections 53759.1 and 53759.2). The exhaustion procedure allows ratepayers to bring any legal objection regarding the proposed fee structure to the District’s attention early in the fee consideration process and provides an opportunity for the District to address or resolve any objections before the District’s Board of Directors makes a final decision on whether to adopt a proposed fee pursuant to Proposition 218. The exhaustion procedure requires that a customer present any legal objections to the fee prior to that fee’s adoption in order to preserve any legal right to later sue the District regarding the fee structure.

The exhaustion procedure will generally require IRWD to:

- Notify the public of the amount of the proposed fee;
- Make the District’s written basis for the proposed fee publicly available (including on the District’s website);
- Provide 45 days for any ratepayer to review the proposed fee and its basis and make any legal objections;

- Require any legal objection to be in a writing to the District that specifies the grounds for alleged noncompliance with Proposition 218; and
- Require the District to consider and respond in writing to any timely-submitted legal objections prior to the close of the protest hearing required under Proposition 218.

In connection with IRWD's consideration of water or sewer rate increases, the Board will determine at the hearing:

- Whether the written objections and the District's response warrant clarifications to the proposed fee or assessment or the Cost of Service Report;
- Whether to reduce the proposed fee or assessment;
- Whether to further review the Cost of Service Report and proposed fee or assessment before making a determination on whether clarification or reduction is needed; and
- Whether to proceed with the protest hearing or ballot tabulation hearing required under Section 4 or 6 of Article XIII D of the California Constitution.

Approximately 15 days will be added to the 45-day window required under the District's traditional Proposition 218 notice and protest procedures. These additional 15 days will allow for time to respond in writing to all written objections, as required under AB 2257. Adopting this procedure will protect the District against unanticipated legal challenges to its fee structure and will ensure a clear administrative record of the basis for, and any legal objections to, the fee structure.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

None.

COMMITTEE STATUS:

None.

RECOMMENDATION:

THAT THE BOARD ADOPT THE RESOLUTION ESTABLISHING A PROCEDURE FOR RATEPAYER OBJECTIONS TO PROPOSED WATER AND SEWER FEES AND CHARGES.

LIST OF EXHIBITS:

Exhibit "A" – Resolution Establishing a Procedure for Ratepayer Objections to Proposed Water and Sewer Fees and Charges

Exhibit “A”

RESOLUTION NO. 2025-1

RESOLUTION OF THE BOARD OF DIRECTORS OF
THE IRVINE RANCH WATER DISTRICT
ESTABLISHING A PROCEDURE FOR RATEPAYER OBJECTIONS TO
PROPOSED WATER AND SEWER FEES AND CHARGES

- A. The Irvine Ranch Water District is a California Water District (“District”), formed pursuant to Water Code Section 34000 *et seq.* and provides water and sewer service to its retail customers.
- B. California law requires that certain changes to retail water and sewer fees and charges be adopted in accordance with procedures outlined in Article XIII D, of the California Constitution, commonly referred to as “Proposition 218.”
- C. Proposition 218 establishes certain procedural requirements and substantive limitations that a local public agency must follow to adopt a property-related fee, charge, or assessment (“fee”) for water or sewer service.
- D. This resolution is intended to adopt an exhaustion of administrative remedies procedure (“exhaustion procedure”) consistent with Assembly Bill No. 2257 (2024) (chaptered at Government Code sections 53759.1 and 53759.2). The exhaustion procedure allows ratepayers to bring a legal objection regarding the proposed fee to the District’s attention early in the fee consideration process, and provides an opportunity for the District to address or resolve any objections before the District’s Board of Directors makes a final decision on whether to adopt a proposed fee pursuant to Proposition 218. The exhaustion procedure requires ratepayers to participate in the pre-adoption objection process in order to preserve a legal right to sue the District regarding the fee structure.
- E. The exhaustion procedure will generally require the District to:
 - a. Notify the public of the amount of the proposed fee;
 - b. Make the District’s written basis for the proposed fee publicly available (including on the District’s website);
 - c. Provide 45 days for any ratepayer to review the proposed fee and its basis and make any legal objection;
 - d. Require any such objection to be in a writing to the District that specifies the grounds for alleged noncompliance with Proposition 218, and
 - e. Require the District to consider and respond in writing to timely submitted objections prior to the close of the protest hearing required under Proposition 218.

The Board of Directors of Irvine Ranch Water District therefore RESOLVES as follows:

- 1. The District Board hereby adopts the exhaustion of administrative remedies procedure contained in Government Code section 53759.1(c), as further described below.
- 2. In connection with the District’s consideration of water or sewer rate increases, the District Board hereby directs the staff to take the following actions:
 - a. Public Hearing Date. Establish a date certain for a public hearing on any proposed water or sewer rates, at which hearing the staff shall present a summary of any written legal objections from the public during the objection period and responses from staff to those objections. The Board may consider any protests to the proposed fee increases on the same or a different date, but only after considering all objections and responses. The Board may continue the hearing from time-to-time in order to provide additional time for consideration of, and responses to, any timely-submitted legal objections and/or protests.

- b. Cost of Service Report. Make available to the public the written basis for the proposed fee or assessment (the “Cost of Service Report”) by:
 - i. Posting it on the District’s website;
 - ii. Making it available at the headquarters of the District; and
 - iii. Mailing it to any property owner upon request.
 - c. Objection Period. Establish a time frame for an “objection period” of not less than 45 days between mailing of the notice described below and the public hearing, during which period the public may submit a written legal objection to any aspect of the Cost of Service Report.
 - d. Public Notice. Notify the public in writing of the availability of the Cost of Service Report in the notice sent pursuant to subdivision (c) of Section 4 or paragraph (1) of subdivision (a) of Section 6 of Article XIII D of the California Constitution, and include in that notice:
 - i. A prominently displayed statement that all written legal objections must be submitted within the written objection period and that a failure to timely object in writing bars any right to challenge that fee or assessment through a legal proceeding;
 - ii. A prominently displayed description of all substantive and procedural requirements for submitting an objection to the proposed fee or assessment; and
 - iii. The process for submitting protests.
3. In connection with the District’s consideration of water or sewer rate increases, the District Board will determine at the hearing:
- a. Whether the written legal objections and the District’s response warrant clarifications to the proposed fee or assessment or the Cost of Service Report;
 - b. Whether to reduce the proposed fee or assessment;
 - c. Whether to further review the Cost of Service Report and proposed fee or assessment before making a determination on whether clarification or reduction is needed; and
 - d. Whether to proceed with the protest hearing or ballot tabulation hearing required under Section 4 or 6 of Article XIII D of the California Constitution.
4. This resolution will take effect immediately and will apply to any proposed water or sewer fees for which notice is provided pursuant to Proposition 218.
5. Pursuant to Government Code sections 53759.1 and 53759.2, a person or entity will be prohibited from bringing a judicial action or proceeding that alleges non-compliance with Proposition 218 for any new, increased, or extended fee adopted by the District, unless that person or entity has timely submitted to the District a written legal objection to that fee that specifies the grounds for the alleged non-compliance.
6. The Board authorizes District staff to take such other and additional actions as may be reasonably necessary to implement the purpose of this resolution and implement the exhaustion procedure.

ADOPTED, APPROVED and SIGNED on February 24, 2025.

President, IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

District Secretary,
IRVINE RANCH WATER DISTRICT

Claire Hervey Collins, General Counsel
Hanson Bridgett LLP

February 24, 2025

Prepared by: M. Seesangrit / A. McNulty

Submitted by: F. Sanchez / P. Weghorst

Approved by: Paul A. Cook



ACTION CALENDAR

WATER EFFICIENCY TACTICAL INCENTIVE BUDGET INCREASE

SUMMARY:

On June 10, 2024, the IRWD Board approved a regional rebate program budget in the amount of \$445,000 to provide supplemental funding for FY 2024-25 rebate programs. Participation in the Turf Replacement and the Spray to Drip rebate programs is higher than expected and projected to surpass the current program budget. Staff recommends that the Board approve an increase of \$496,000 to the Operating Budget for FY 2024-25 to continue IRWD's participation in the regional rebate programs through June 2025.

BACKGROUND:

In 2015, the District entered into the Water Conservation Participation Agreement (provided as Exhibit "A") with the Municipal Water District of Orange County (MWDOC) to participate in the regional rebate program administered by Metropolitan Water District. MWDOC and Metropolitan provide base-level regional funding for the programs, which IRWD supplements with targeted funding for IRWD customers. Each year the IRWD Board approves funding for the rebate programs and authorizes the General Manager to allocate these funds between the various programs and modify device incentive levels up to the amounts approved by the Board. Funding allocations are based on prior customer participation and availability of regional funding.

Status of Rebate Program Funding:

On June 10, 2024, the Board approved a total rebate programs budget in the amount of \$445,000 for FY 2024-25 and these funds were allocated among the various programs. The program budget for FY 2024-25 is expected to be exhausted before the end of the fiscal year due to higher-than-expected participation. Participation rates increased due to strategic marketing efforts and the statewide ban on non-functional turf for commercial landscapes that was passed in 2023.

Rebate Program Participation:

Turf Replacement and Spray to Drip rebates are available to commercial and residential customers irrigating with potable water. In 2024, the District made a tactical incentive funding level change to incentivize more participation in the residential Turf Replacement rebate program. Customers were informed of the funding level change during the District's *No Mo' Mow* campaign which ran from April through October 2024. The first half of the campaign encouraged customers to remove their lawns. To stimulate residential customers to act, the second half of the campaign included an expiration date for the \$5 per square foot (sq ft) turf rebate. At the conclusion of the campaign, IRWD's supplemental funding of \$2 per sq ft for

residential customers was removed leaving a remaining regional base-level turf rebate amount of \$3 per sq ft. Commercial customers irrigating with potable water are still eligible for IRWD's supplemental funding of \$2 for a total turf rebate of \$5 per sq ft. Overall, the *No Mo' Mow* campaign resulted in a 58% increase in turf rebate applications compared to the same time the previous year.

Non-Functional Turf Ban:

Assembly Bill 1572, which was enacted in 2023, prohibits the use of potable water to irrigate non-functional turf on commercial, industrial, and institutional properties. Non-functional turf is solely decorative and has no other function, such as recreation. The prohibition includes turf located on road medians and areas outside businesses that are not used for recreation. Exempt from the ban is functional grass, such as sports fields, picnic areas, cemeteries, and the areas irrigated with recycled water. The ban does not address residential turf.

The non-functional turf ban applies to public agencies in 2027, and then to commercial customers and Homeowners Associations (HOA) in the following two years. The non-functional turf ban and the current \$5 per sq ft rebate for commercial customers has motivated large landscape customers to begin replacing non-functional turf areas. The rebate is capped at 200,000 sq ft for public agency landscapes and 50,000 sq ft for commercial and HOA landscapes.

Increased Inspection Costs:

IRWD elected to utilize MWDOC's contractor in-lieu of IRWD staff time to conduct all Turf Replacement and Spray to Drip inspections beginning in July 2024. This change added an additional cost paid to MWDOC for the pre- and post-inspections and freed up IRWD staff to focus on other programs and assignments.

Need for Additional Program Funding:

Since July 2024, over 124 Turf Replacement rebates applications have been received for over 1.1 million sq ft and over 90 Spray to Drip rebate applications have been received for over 1.4 million sq ft. Pending rebate applications have a combined funding commitment of \$94,000 and staff forecasts an additional \$402,000 will be required to provide funding for program inspection costs and IRWD's supplemental funding for commercial customer rebates through the end of the fiscal year. Staff recommends that the Board authorize an increase to the FY 2024-25 Operating Budget from over-allocation revenues for tactical incentives in the amount of \$496,000 to continue funding these successful programs, which support IRWD's continued compliance with the "Making Conservation as a Way of Life" regulation.

FISCAL IMPACTS:

An increase to the Operating Budget for FY 2024-25 from over-allocation revenues for tactical incentives in the amount of \$496,000 is needed to continue funding the Turf Replacement and Spray to Drip rebate programs.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed at the February 6, 2025, Water Resources Policy and Communications Committee meeting.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE AN INCREASE TO THE FY 2024-25 OPERATING BUDGET FOR TACTICAL INCENTIVES IN THE AMOUNT OF \$496,000 FROM OVER-ALLOCATION REVENUES AND AUTHORIZE THE GENERAL MANAGER TO ALLOCATE THE FUNDING TO THE FY 2024-25 REBATE PROGRAMS ADMINISTERED THROUGH THE WATER CONSERVATION PARTICIPATION AGREEMENT BETWEEN MWDOC AND IRWD; AND TO EXECUTE ADDENDA TO THE AGREEMENT AS MAY BE NECESSARY TO ALLOCATE FUNDS TO SPECIFIC PROGRAMS AND MODIFY DEVICE INCENTIVE LEVELS BASED ON CUSTOMER PARTICIPATION RATES AND REGIONAL PROGRAM FUNDING LEVELS.

LIST OF EXHIBITS:

Exhibit “A” – Water Conservation Participation Agreement with MWDOC

Note: This page is intentionally left blank.

**Water Conservation Participation Agreement between
the Municipal Water District of Orange County and Irvine Ranch Water District**

This Water Conservation Participation Agreement ("Agreement") is made between the Municipal Water District of Orange County ("MWDOC") and Irvine Ranch Water District ("Participant Agency"). MWDOC and Participant Agency may be collectively referred to as "Parties" and individually as "Party."

Recitals

- A. The Metropolitan Water District of Southern California ("Metropolitan") provides incentive funding to residential, commercial, and industrial water users in its service area for a variety of water conservation activities, including, but not limited to, rebates for the purchase and installation of water-saving devices ("Metropolitan Base Incentives").
- B. MWDOC is a member agency of Metropolitan and has agreements with Metropolitan that enable residential, commercial, and industrial water users in MWDOC's service area, and for the benefit of MWDOC's member agencies, to participate in and take advantage of Metropolitan's Base Incentives.
- C. Participant Agency, as a MWDOC member agency or a direct Metropolitan member agency, may elect to participate in Metropolitan's program to replace non-conserving items within its service area.
- D. The Metropolitan Base Incentives amounts for each eligible device or program available to MWDOC and Metropolitan member agencies are listed in the attached Addendums 1A and 1B. It is expected that Metropolitan will establish funding for additional water conservation items and to change some or all of the existing funding rates throughout the term of this Agreement. Any such changes will be incorporated herein by amendment to Addendums 1A and 1B.
- E. Metropolitan and MWDOC each have fiscal responsibility to manage their individual budgets, and hence may have a need to limit availability of funds.
- F. MWDOC and Metropolitan member agencies may also choose to provide additional supplemental funding of their own to augment the Metropolitan Base Incentives. Based on the terms and conditions of this Agreement, MWDOC will facilitate supplemental funding for Participant Agency through the Metropolitan rebate contractor ("Rebate Contractor") or MWDOC directly. Metropolitan member agencies will coordinate any supplemental funding directly with Metropolitan.
- G. In addition to the Metropolitan Base Incentives, MWDOC has developed and arranged additional local, state, and federal grant funding ("Grant Funding") for eligible devices in a number of water conservation programs ("MWDOC Administered Programs") that MWDOC offers to Participant Agency and Metropolitan member agencies. This grant funding may be used to enhance the Metropolitan Base Incentives. Granting agencies

include, but are not limited to, the Department of Water Resources and the United States Bureau of Reclamation.

- H. Participant Agency may also operate customized, local water conservation incentive programs in their respective service areas (“Participant Agency Administered Programs”) and may have access to the Metropolitan Base Incentives and Grant Funding for such, subject to MWDOC and Metropolitan approval and the terms and conditions of this Agreement and any MWDOC and/or Metropolitan agreements.
- I. The purpose of this Agreement is to create a master water conservation participation agreement between MWDOC and Participant Agency that combines all of the conservation programs and incentives (“Programs”) into one agreement. Addendums to this Agreement will be issued for changes involving Metropolitan approved items, MWDOC Board approved items, Grant Funding, adding and subtracting MWDOC Administered Programs and Participant Agency Administered Programs as identified in Section 2, and changes to incentive programs, including funding and incentive levels.

NOW THEREFORE, in consideration of the promises and covenants hereinafter set forth, the Parties do agree as follows:

Section 1: Agreement Term and Administration

- 1.1 This Agreement will be effective on July 1, 2015 or upon execution of this Agreement by all Parties, whichever is later, and shall terminate on June 30, 2025 (“Term”). Continuance of this Agreement will be subject to annual budget approval by MWDOC’s Board of Directors.
- 1.2 This Agreement may be amended at any time by written mutual agreement of the Parties, or by Addendums issued by MWDOC as set forth in Recital I.
- 1.3 This Agreement may be terminated by either Party for any reason upon thirty (30) days written notice to the other Party.
- 1.4 All Addendums are enforced for the duration of this Agreement unless the Addendums are amended or terminated by either Party.
- 1.5 In the event the Agreement is terminated early, Participant Agency is responsible for payment of any funding contributions required by this Agreement that that were initiated prior to the effective date of the termination. For purposes of this Agreement, an application is deemed initiated when an application has been received by Metropolitan’s rebate vendor, EGIA, by MWDOC, or a reservation has been made within any of MWDOC’s online application portals that is pursuant to any of the programs described within this Agreement and the attached Addendums.
- 1.6 Notwithstanding any other provision in this Agreement, funds for all of the programs described within this Agreement and the attached Addendums are conditioned upon the

availability of funds and MWDOC is under no obligation to provide funding for any of the programs if MWDOC determines, in its own discretion, that such funding is exhausted, reduced, eliminated, or unavailable from any funding source, for any reason.

Section 2: Program Funding

2.1 Supplemental Funding

2.1.1 In addition to the Metropolitan Base Incentives, Participant Agency may provide additional funding to augment the Metropolitan Base Incentives amounts for those programs and devices that Participant Agency identifies, and in the amounts indicated, in the appropriate locations in Addendums 2A, 2B, and 2C (“Supplemental Funding”). The Supplemental Funding listed in Addendums 2A through 2C shall specify the amount of Supplemental Funding Participant Agency will provide per device or program, as well as the total maximum Supplemental Funding amount committed to each category of device or program. If the Participant Agency does not complete, sign, and return Addendums 2A through 2C to MWDOC, notwithstanding any other provision of this Agreement, the Participant Agency will not be bound by this Section or the provisions in Addendums 2A through 2C. In general, Supplemental Funding Addendums submitted by the 15th of a month will become effective the first of the following month.

2.1.2 If Participant Agency elects to provide Supplemental Funding or enhanced incentives under this Agreement for any device or program, Participant Agency is responsible for tracking the use of and the remaining availability of those funds. MWDOC will assist, in every way possible, but the ultimate responsibility for tracking all Participant Agency funding is the responsibility of Participant Agency. Participant Agency will ultimately be responsible for any overuse of Participant Agency Supplemental Funding.

2.1.3 Any requests for changes or revisions to Participant Agency’s Supplemental Funding, including funding transfers between Programs, must be submitted by Participant Agency to MWDOC in the form of revised Addendum 2s listing the new funding amounts/limits.

2.1.4 The Participant Agency may elect to participate in the Supplemental Funding Program and be bound by the provisions of this Section 2.1, Sections 3, 5, 6, 7, and 8 of this Agreement, and Addendum 2A through 2C by having its authorized representative complete and sign Addendum 2A through 2C in the spaces provided.

2.2 MWDOC Administered Programs

2.2.2 Participant Agency may elect to take advantage of the MWDOC Administered Programs by having its authorized representative complete and sign Addendums 3A through 3C in the spaces provided. If Participant Agency completes and signs Addendums 3A through 3C, Participant Agency agrees to be bound by the provisions of this Section 2.2, Sections 3, 5, 6, 7, and 8 of this Agreement, and Addendums 3A through

3C. If the Participant Agency does not complete, sign, and return Addendums 3A through 3C, notwithstanding any other provision of this Agreement, the Participant Agency will not be bound by this Section or the provisions in Addendums 3A through 3C.

2.3 Participant Agency Administered Programs

2.3.1 From time to time, funding may be made available for Participant Agency to operate a customized member agency administered local water conservation incentive program or programs (“Participant Agency Administered” “PA” or “MAA Program”) in its service area and access the Metropolitan Base Incentives for such, subject to MWDOC approval of the program and the terms and conditions of this Agreement and Addendum 4. The Participant Agency Administered Program(s) and requirements in connection with it are described in more detail in Addendum 4.

2.3.2 Upon receipt of approval of a Participant Agency Administered Program by MWDOC, Participant Agency is bound by the provisions of Sections 3, 5, 6, 7, and 8 of this Agreement and Addendum 4.

2.4 Exhaustion of Funding

2.4.1 In the event Participant Agency provided funding for any Program or device is exhausted, and Participant Agency does not elect to add additional funding or transfer available funding from another Program or device, MWDOC will discontinue offering the additional rebate funding for that Program or device in Participant Agency’s service area. Notwithstanding any other provision in this Agreement, MWDOC may terminate this Agreement as it relates to Section 2 at any time without prior notice in the event that MWDOC determines that funding for any device or program on Addendums 2 through 4 or MWDOC Grant Funding is exhausted, reduced, eliminated, or unavailable from any funding source, for any reason.

Section 3: Participant Agency Responsibility and Ownership

- 3.1 Participant Agency, at its sole discretion, may independently contract with its own agents under separate agreements for program administration and management for any Participant Agency Administered Program provided that doing so does not compromise program performance, create or present a conflict of interest, or violate the terms of this Agreement.
- 3.2 Participant Agency and/or its agent shall provide all necessary services and materials for such Participant Agency Administered Programs including, but not limited to the following: program administration, promotion, marketing materials, data collection, and analysis, installation verification, and reporting.
- 3.3 All materials and supplies necessary to implement a Participant Agency Administered Program shall be the exclusive property of Participant Agency. MWDOC shall have no

ownership, right, title, security interest, or other interest in any Participant Agency Administered Program materials or supplies, nor any rights duties, or responsibilities, therefor.

- 3.4 Participant Agency is responsible for assuring that any Participant Agency Administered Program complies with all federal, state, and local requirements.
- 3.5 Participant Agency agrees to cooperate with MWDOC's data management activities related to assessing device saturation and program success.
- 3.6 As part of any Participant Agency Administered Program, Participant Agency shall use, maintain, and submit to MWDOC within the designated timeframe an electronic database, to be approved by MWDOC prior to use, for any conservation items installed, distributed, or rebated by Participant Agency or its agents to avoid duplicate distributions and to determine the saturation rate of items by the appropriate geographic delineation.
- 3.7 Participant Agency is solely responsible for the performance of its staff or representatives in complying with the terms of this Agreement and for the proper allocation and appropriate use of funds provided by Metropolitan and/or MWDOC for the purpose of achieving water conservation savings under this Agreement.

Section 4: MWDOC's Obligations

- 4.1 MWDOC will be response to Participant Agency for ensuring that timely reports on the Programs' results are prepared by MWDOC's staff.
- 4.2 MWDOC will develop a database of information regarding participation in the Programs and provide monthly electronic and/or written reports of activity to Participant Agency.
- 4.3 MWDOC will invoice Participant Agency for any Participant Agency funding obligations on a monthly basis for rebates issued in the previous month.
- 4.4 MWDOC does not guarantee any minimum number of rebates will be available for Participant Agency's service area.

Section 5 Marketing.

- 5.1 Participant Agency agrees to assist in the marketing of programs it participates in under this Agreement. With regard to Participant Agency Administered Programs, Participant Agency will be solely responsible for marketing its Participant Agency Administered Program to customers in its service area.

Section 6: Installation Verification

- 6.1 Participant Agency shall be responsible for conducting installation verifications of items installed, distributed, and/or rebated by Participant Agency under Participant Agency

Administered Programs, and/or for paying all costs associated with this verification. Installation verification measures for program devices must be designed to ensure that materials, installation verifications of eligible program devices, and services meet requirements established by Metropolitan, which requirements will be provided to Participant Agency by MWDOC.

- 6.2 Participant Agency may be responsible for conducting installation verifications of items installed, distributed, and/or rebated by Participant Agency or MWDOC under MWDOC Administered Programs, and/or for paying all costs associated with this verification. Installation verification measures for program devices must be designed to ensure that materials, installation verifications of eligible program devices, and services meet requirements established by Metropolitan, which requirements will be provided to Participant Agency by MWDOC.
- 6.3 MWDOC reserves the right to conduct installation verification of items within Participant Agency's service area.
- 6.4 Participant Agency acknowledges that any device receiving funding from Metropolitan may be subject to an installation verification to be performed by Metropolitan, or its agent(s), at Metropolitan's discretion.
- 6.5 Participant Agency shall promptly refund to MWDOC any amounts paid under any Participant Agency Administered Program or MWDOC Administered Program for installed or distributed devices in the event MWDOC or Metropolitan establishes via installation verification that the program devices were not installed.

Section 7: Reporting and Invoicing

- 7.1 For any and all Supplemental Funding provided by Participant Agency and/or Participant Agency provided funding or inspection costs under the MWDOC Administered Programs pursuant to Section 2 of this Agreement, and as more particularly described in Addendums 2 and 3, MWDOC will invoice Participant Agency on a monthly basis for the cost of such funding, and Participant Agency must pay the full amount of such invoice within thirty (30) days of receipt of any such invoice.
- 7.2 For any and all Participant Agency Administered Program(s), Participant Agency will invoice MWDOC on a monthly basis, by the 10th of each month, for any approved funding and costs associated with the Participant Agency Administered Program(s) as indicated in and subject to the provisions of Addendum 4. MWDOC is under no responsibility to reimburse Participant Agency for any costs incurred by Participant Agency that are not approved by MWDOC consistent with the terms and conditions of this Agreement and Addendum 4. The invoice package shall include a fully completed, to the satisfaction of MWDOC, Excel customer/applicant spreadsheet showing program activity, and an invoice, signed by the General Manager or designee of Participant Agency, certifying the information provided as accurate. Participant Agency shall use the Excel customer/applicant spreadsheet and Invoice forms approved by MWDOC.

- 7.3 Participant Agency shall maintain all Participant Agency Administered Program information, including Participant Agency applications, water bills, and purchase receipts, for a period of seven years from the end date of this Agreement.
- 7.4 Payment of Participant Agency invoices shall be in the form of either a credit on MWDOC's water bill to Participant Agency or a check made payable to Participant Agency. Method of payment shall be at MWDOC's discretion.

Section 8: Confidentiality

- 8.1 MWDOC agrees to maintain the confidentiality of Participant Agency's customer names, addresses, and other information gathered in connection with this Agreement. MWDOC will not cause or permit the disclosure of such information except as necessary to carry out any of the MWDOC Administered or Participant Agency Administered Programs, or as required by law. To the extent that MWDOC contracts with third party contractors to carry out all or any portion of any of the Programs, MWDOC will require such contractors to maintain the confidentiality of such customer information.
- 8.2 Notwithstanding anything to the contrary in this Agreement, Participant Agency acknowledges and agrees that MWDOC may request and use historical water consumption data for purposes of satisfying any grant water use and water quality evaluation requirements of any of the Programs. Participant Agency also acknowledges and agrees that MWDOC may also request to use Program applicant information, such as name, mailing address, site photos, and email address to market other water use efficiency programs to past applicants. A similar provision will be required of every individual applicant.

Section 9. Indemnification.

- 9.1 The parties agree that each Party shall be responsible for its own actions, and the actions of its officers, employees, and agents, in performing services under this Agreement. Except as provided in this Agreement and its Addendums, each Party agrees to indemnify and hold the other Party and its officers and agents harmless and agrees to defend the other Party against any claim or asserted liability arising out of its actions, either willful or negligent, or the actions of its officers, employees, and agents, in performing services pursuant to this Agreement. Such indemnity will include any losses relating to any claim made, whether or not a court action is filed, and will include attorney fees and administrative and overhead costs related to or arising out of such claim or asserted liability.
- 9.2 Participant Agency shall include the following language in its agreement with any consultant or contractor retained by Participant Agency to work on any of the Program" "(Consultant) agrees at is sole cost and expense to protect, indemnify, defend, and hold harmless Metropolitan, MWDOC, and their associated Boards of Directors, officers, representatives, agents and employees from and against any and all claims and liability

of any kind (including, but not limited to, any claims or liability for injury or death to any person, damage to property, natural resources or to the environment, or water quality problems) that arise out of or related to Participant Agency's approval, construction, operation, repair, or ownership of any Program. Such indemnity shall include all damages and losses related to any claim made, whether or not a court action is filed, and shall include attorneys' fees, administrative and overhead costs, engineering and consulting fees, and all other costs related to our arising out of such claim or asserted liability."

Section 10. Certification re Lobbying (43 CFR 18)

- 10.1 The undersigned hereby certifies on behalf of Participant Agency that no Federal appropriated funds have been paid or will be paid, by or on behalf of the Participant Agency, to any person for influencing or attempting to influence an officer or employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying" in accordance with its instructions. To the extent federal funds are involved, the Participant Agency shall require that the language of this certification be included in the awards documents for any sub-awards by the Participant Agency at all tiers (including sub-contracts, sub-grants, and contracts under grants, loans and cooperative agreements) and that sub-recipients, if any, shall certify accordingly.

Section 11. Other Terms

- 11.1 Any alteration or variation of the terms of this Agreement will not be valid unless made in writing and signed by both Parties.
- 11.2 This Agreement will inure to the benefit of and be binding upon the Parties and their respective successors.
- 11.3 The partial or total invalidity of one or more parts of this Agreement will not affect the intent or validity of this Agreement.
- 11.4 This agreement shall be deemed a contract made under the laws of the State of California, and for all purposes will be interpreted in accordance with such laws. The Parties hereby agree and consent to the exclusive jurisdiction of the courts of the State of California, and that the venue of any action brought hereunder will be in Orange County, California.

///
///

11.5 This Agreement constitutes the entire agreement between the Parties.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement.

MUNICIPAL WATER DISTRICT
OF ORANGE COUNTY

IRVINE RANCH WATER DISTRICT

By:



Robert J. Hunter
General Manager

Date:

7-14-15

By:



Paul Cook
General Manager

Date:

7-9-15

Approved as to Form:

Bowie, Arneson, Wiles & Giannone




Joan C. Arneson
Legal Counsel

Date:

6/25/15

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February 24, 2025
Prepared by: J. Davis
Submitted by: N. Adly
Approved by: Paul A. Cook 

ACTION CALENDAR

PROPOSED 2025 DEBT ISSUANCE

SUMMARY:

Staff, along with the District's municipal financial advisor, Public Financial Management (PFM), have evaluated unsolicited underwriter proposals and recommendations related to refunding IRWD's 2010 Build America Bonds (BABs). In addition to the BABs refunding, proposals were reviewed from banks related to the District's Letters of Credit (LOC) expiring this year. In connection with the proposed bond issuance and expiring LOCs, and based on the proposals received, staff recommends that the Board authorize staff to:

- Cause the issuance of fixed and / or variable General Obligation (GO) Bonds in an amount sufficient to refund the 2010 BABs;
- Cause the LOCs extension for the 2008A and 2009B, LOC substitution for the 2009A and cash redemption of the Series 1993; and
- Retain underwriters, bond counsel, and disclosure counsel as needed for these transactions.

BACKGROUND:

IRWD's 2010 BABs, originally marketed by Goldman Sachs, currently have \$175.0 million of outstanding principal at a fixed rate of 4.44% with subsidy. Without subsidy, the rate would be 6.62%. The BABs were issued with a make-whole call with an Extraordinary Optional Redemption provision (ERP), which would allow the District to redeem the 2010 BABs with a lower cost make-whole call versus the standard make-whole call upon the occurrence of an Extraordinary Event. Based on review by bond counsel, it was determined that an ERP event was triggered due to the reduction of the subsidy because of Federal legislation mandating sequestration affecting the subsidy.

Based on current economic conditions, a refunding of the 2010 BABs issue may potentially generate expected savings to IRWD of approximately \$6.0 million, assuming an all-in variable interest rate of 3.00%. A fixed rate GO debt issuance may result in approximately \$3.0 million of expected savings and would include a 10-year par call. Either mode would eliminate the risk of sequestration affecting the subsidy. IRWD and its municipal advisor are currently analyzing recommended refinancing plans for the 2010B BABs including considerations related to both variable and fixed rate refinancing alternatives as there are considerations with each from the perspective of ratings, tax-exemption and interest rate volatility.

The District also currently has four LOCs expiring this year. Two of the LOCs (2008A and 2009B) need to be extended and the 2009A LOC needs to be substituted. Therefore, staff and PFM have reviewed proposals from current LOC banks to take these actions. The proposals were competitive with LOC pricing from other banks of similar credit quality. The Series 1993

debt is at a point where cash redemption, or simply paying this debt off, will result in reduced administrative costs for IRWD. Legal counsel has prepared a resolution approving the early redemption of the 1993 bonds, attached as Exhibits “B”.

FISCAL IMPACTS:

A refunding of the 2010 BABs may potentially generate expected savings of approximately \$3.0 million to \$6.0 million for the District, based on current interest rates and other market conditions. The underwriter fees and cost of issuance, including legal, rating agencies, and trustee expenses, are estimated at \$930,000. The defeasance of the Series 1993 will eliminate the administrative fees associated with this debt.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Finance and Personnel Committee on February 3, 2025.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE STAFF TO CAUSE THE ISSUANCE OF FIXED AND/OR VARIABLE RATE GENERAL OBLIGATION BONDS IF MARKET CONDITIONS WILL GENERATE SAVINGS AND PROVIDE SUFFICIENT VALUE TO REFUND THE 2010 BUILD AMERICA BONDS; CAUSE THE LETTERS OF CREDIT EXTENSION FOR THE 2008A AND 2009B; LETTERS OF CREDIT SUBSTITUTION FOR THE 2009A; AND DEFEASANCE OF THE SERIES 1993 BONDS; AND TO RETAIN UNDERWRITERS, BOND COUNSEL, AND DISCLOSURE COUNSEL AS NEEDED FOR THE ISSUANCE AND LETTERS OF CREDIT; AND ADOPT THE RESOLUTION BY THE FOLLOWING TITLE:

RESOLUTION NO. 2025-2

RESOLUTION OF THE BOARD OF DIRECTORS OF
THE IRVINE RANCH WATER DISTRICT
AUTHORIZING CERTAIN ACTIONS IN CONNECTION
WITH REDEMPTION OF THE
BONDS OF IRVINE RANCH WATER DISTRICT,
CONSOLIDATED SERIES 1993

LIST OF EXHIBITS:

Exhibit “A” – 2010B BABs Refunding Analysis

Exhibit “B” – Resolution Authorizing Certain Actions in Connection with Redemption of the Bonds of Irvine Ranch Water District Consolidated Series 1993



Irvine Ranch Water District

Series 2010B BABs Refunding Analysis

January 27, 2025



Series 2010B Refunding Summary of Results – VRDBs

- A refunding of IRWD's Series 2010B BABs utilizing VRDBs utilizing the following assumptions produces expected savings in today's market
- Assumptions
 - Dated Date: 5/1/2025
 - All-in Interest Rate: 3.00%*
 - Current sequestration assumed through life of Series 2010B BABs
 - US Treasury rates as of January 27, 2025
 - Extraordinary MWC price of 108.796
 - Level expected savings
- Using a fixed assumption for future all-in interest rates on the VRDBs, changes in the US Treasury rate will be the variable that can affect expected PV Savings
 - The adjacent sensitivity analysis illustrates impacts to expected PV Savings due to changes in the 10Y US Treasury rate

2025A Refunding	
Refunding Par	\$187,850,000
Refunded Par	\$171,880,000
Refunded Maturities	2040 maturity
Est PV Savings (\$)	\$6,674,000
Est PV Savings (%)	3.88%
Extraordinary MWC	108.796

Expected PV Savings	
Current UST – 25bps	\$2,947,000 (1.71%)
Current UST	\$6,674,000 (3.88%)
Current UST + 25bps	\$10,301,000 (5.99%)

* All-in interest rate assumption utilized for initial analyses per IRWD request. Actual future all-in interest rate will likely vary.



Series 2010B Refunding Summary of Results – Fixed Rate Bonds

- A fixed rate refunding of the Series 2010B BABs produces expected PV Savings of \$3.3mm or 1.93% of refunded par in today's market
- Assumptions
 - Dated Date: 5/1/2025
 - Current sequestration assumed through life of Series 2010B BABs
 - Interest rates as of January 27, 2025
 - US Treasury rates as of January 27, 2025
 - Extraordinary MWC price of 108.796
 - Level savings
- Expected PV savings can be affected by changes in both the 10-year US Treasury rate (changes the Extraordinary Make Whole Call price) and changes in tax-exempt rates (changes to the cost of the refunding bonds)

2025A Refunding	
Refunding Par	\$160,985,000
Refunded Par	\$171,880,000
Refunded Maturities	2040 maturity
PV Savings (\$)	\$3,325,000
PV Savings (%)	1.93%
Extraordinary MWC	108.796

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Exhibit “B”

RESOLUTION NO. 2025-2

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
IRVINE RANCH WATER DISTRICT AUTHORIZING CERTAIN ACTIONS
IN CONNECTION WITH REDEMPTION OF THE BONDS OF
IRVINE RANCH WATER DISTRICT, CONSOLIDATED SERIES 1993

The Irvine Ranch Water District (“IRWD”) has issued the Bonds of Irvine Ranch Water District, Consolidated Series 1993 (the “1993 Bonds”).

The irrevocable letter of credit of U.S. Bank National Association (“U.S. Bank”) has been issued with respect to the 1993 Bonds (the “1993 Bonds Letter of Credit”).

The 1993 Bonds Letter of Credit is scheduled to expire on May 1, 2025.

Consistent with IRWD’s Debt Management Policy, the Board of Directors (the “Board”) must approve all IRWD debt issuance or refunding proposals involving a pledge or other extension of IRWD’s credit through the sale of securities, execution of loans or leases, or making guarantees, or otherwise involving directly or indirectly the lending or pledging of IRWD’s credit.

After consideration, the Board has determined that it is in the interest of IRWD to redeem the 1993 Bonds using the funds of IRWD, rather than execute a new letter of credit therefor.

The Board of Directors of IRWD therefore resolves as follows:

Section 1. The Treasurer is hereby authorized and directed to cause the redemption of the 1993 Bonds on or before May 1, 2025, using IRWD-held funds.

Section 2. The Treasurer is hereby authorized and directed to deliver funds of IRWD to The Bank of New York Mellon Trust Company, N.A., as successor trustee for the 1993 Bonds sufficient to pay the redemption price on or before the redemption date established prior to May 1, 2025.

Section 3. The foregoing authorization to cause the redemption of the 1993 Bonds includes any and all of the following: preparation and/or approval, execution and delivery of any notices, instruments, disclosure or other documents to be delivered or distributed in conjunction with the authorized actions, and any other actions to implement the redemption of the 1993 Bonds.

Section 4. The President, Secretary, Treasurer, and each other officer of IRWD is hereby authorized and directed to execute and deliver any and all documents and instruments and to do and cause to be done any and all acts and things necessary or proper for carrying out the transaction contemplated by this resolution.

ADOPTED, APPROVED and SIGNED on February 24, 2025.

President, IRVINE RANCH WATER DISTRICT

District Secretary,
IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:


Claire Hervey Collins, General Counsel
Hanson Bridgett LLP

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February 24, 2025

Prepared by: T. Foo / M. Cortez

Submitted by: K. Burton

Approved by: Paul A. Cook 

ACTION CALENDAR

OPERATIONS CENTER WAREHOUSE AND WATER QUALITY STORAGE BUILDING CONSULTANT VARIANCE AND CONSTRUCTION AWARD

SUMMARY:

The IRWD Operations Center Warehouse and Water Quality Storage Building project will construct a 6,400 square foot building with an attached canopy over an outdoor storage area of 3,600 square feet, and a 1,700 square foot storage building for the Water Quality Department, adjacent to the existing warehouse. Staff recommends that the Board:

- Authorize a budget increase in the amount of \$3,625,000, from \$797,000 to \$4,422,000, for Project 11854;
- Authorize a budget increase in the amount of \$3,588,000, from \$797,000 to \$4,385,000, for Project 11855;
- Authorize the General Manager to execute Variance No. 5 in the amount of \$625,942 with Stantec Architecture, Inc. for additional design services and construction support services; and
- Authorize the General Manager to execute a construction contract with KPRS Construction Services, Inc. in the amount of \$5,761,704 for the Operations Center Warehouse and Water Quality Storage Building project.

BACKGROUND:

The IRWD warehouse and storage yard located at the Michelson Operations Center was constructed in 1994. Since that time, the District has grown significantly with the annexation of other districts, the establishment of additional internal operations groups, and the construction of many projects that have expanded IRWD's infrastructure and facilities, including water and sewer treatment processes such as the Baker Water Treatment Plant and Biosolids. In addition, the District reorganized the warehousing / inventory program and added an appropriate level of inventory. The combination of all the above factors has strained the District's existing material storage facilities beyond physical capacity and has resulted in the purchase and use of temporary storage containers, as well as the use of other facilities, to house materials.

In 2019, IRWD retained Whitman, Requardt & Associates to perform a warehouse study to evaluate the District's warehousing needs and recommend options for increasing storage at the Michelson Operations Center. The District elected the alternative to construct a new pre-engineered metal building and adjacent canopy sited in the material storage yard adjacent to the existing Operations Center Warehouse. A site plan of the project area is provided as Exhibit "A".

In September 2021, IRWD retained Stantec Architecture, Inc. to complete the design of the new warehouse. Four variances were executed during the design for additional work, e.g., the design of a new Water Quality Storage Building to replace several temporary storage containers housing Water Quality and Regulatory Compliance inventory and to allow the Regulatory Compliance Group to prepare sample bottles; completion of additional underground utility surveying; completion of an inventory analysis; and the design of conduits for security cameras, Wi-Fi, and card readers. During design, the area of the new warehouse was extended into the Biosolids access road, which required additional surveying of underground utilities in the vicinity of the new warehouse building and canopy. The inventory analysis led to an increase in the square footage of the warehouse and attached canopy after additional storage needs were identified. The four previous variances totaled a cumulative \$199,978.

Variance No. 5:

Stantec has performed additional work that was not included in the four variances. Stantec submitted 100% plans which included Solatubes®, a tubular daylighting system. Due to concerns of the maintenance required on the roof, the Solatubes® were removed and Stantec redesigned the lighting in the warehouse. Stantec submitted their 100% design in July 2023 and comments were returned in October 2023. Stantec submitted their “final” design in March 2024 and staff returned additional comments, identifying missing items in the 100% and final design. This led to the electrical design being modified due to the elimination of a tire storage carousel; expansion of the asphalt replacement work; extension of the rigid inclusion system to include the canopy area; conduit rerouting; preparation of the fire master plan; and replacement of existing storage racks with new racks. Due to these design changes, the design of the new warehouse and storage building was not finalized until November 2024.

On February 10, 2025, Stantec submitted their proposal that includes the additional tasks that were required to complete the design as well as construction support services. The construction support services, which is the majority of the proposal fees, includes meetings, the review of shop drawings and requests for information; performing plan revisions; and completing record drawings. The fees for both the additional design and construction support services are provided below and a summary of the services is described in Variance No. 5, which is provided as Exhibit “B”.

Task	Bid Amount
Additional Design Services	\$118,832
Construction Support Services	\$507,110
Total Fees	\$625,942

Staff reviewed the variance request and recommends that the Board authorize the General Manager to execute Variance No. 5 in the amount of \$625,942 with Stantec Architecture, Inc. for the additional design services and construction support services described herein.

Construction Bid and Award:

The project was advertised to a select list of five contractors on November 12, 2024. Four contractors were added to the bidders list via an addendum due to the initial low interest in the project. The bid opening occurred on January 22, 2025, and five bids were received as summarized in the table below:

Bidder	Bid Amount
KPRS Construction Services, Inc.	\$5,761,704
SS+K Construction, Inc.	\$5,961,580
D.F. Perez Construction, Inc.	\$6,611,661
Woodcliff Corporation	\$7,250,000
Griffith Company	\$8,736,800
<i>Engineer's Estimate</i>	<i>\$7,800,000</i>

KPRS Construction Services, Inc. is the apparent low bidder with a bid of \$5,761,704; the bid results are shown in Exhibit "C". Although the range of bids was large, the difference between the two lowest bids is \$200,000. Four of the five bids were less than the engineer's estimate of \$7,800,000, including the lowest bid which was 26% less than the engineer's estimate. KPRS successfully completed the construction of the buildings adjacent to the IRWD's Sand Canyon Headquarters and is well qualified to perform the work.

Bid Protests:

Both SS+K Construction, Inc. and D.F. Perez Construction, Inc. submitted letters of protest to the District. SS+K and Perez protested that KPRS did not list an approved subcontractor for Remedial Soil Stabilization (also known as "rigid inclusion") work. IRWD's legal counsel reviewed the grounds for protest and deemed KPRS's bid responsive based on KPRS's supporting documentation that reflected its subcontractor, SCI, Inc. was in fact using an approved rigid inclusion subcontractor, Keller North America, Inc.

Perez also protested SS+K's bid, stating SS+K failed to list an approved pre-engineered metal building manufacturer. To this point, legal counsel found SS+K's bid responsive since there is no legal requirement that a manufacturer was required to be listed in the bid.

Staff transmitted letters of response to both SS+K and Perez. Perez accepted IRWD's response. SS+K sent a rebuttal letter asserting that SCI's proposal did not include rigid inclusion work and that KPRS failed to list the rigid inclusion scope in SCI's work description as part of their bid. SCI provided bids to both KPRS and SS+K. SCI included the rigid inclusion work on KPRS' bid, but it was not included on SS+K's. SCI did, however, include reinforcing steel work on SS+K's proposal and not on KPRS' proposal. According to IRWD's legal counsel, there is no evidence that KPRS or SCI attempted bid peddling or bid shopping to obtain a lower bid for this work. In addition, Public Contract Code section 4104(b) does not require sub-subcontractors to be listed in the bid. Therefore, IRWD legal counsel deemed KPRS' bid for the project as the lowest responsive bid for the project.

FISCAL IMPACTS:

Projects 11854 and 11855 are included in the Fiscal Year 2024-25 Capital Budget and require budget increases as follows:

Project No.	Current Budget	Addition <Reduction>	Total Budget
11854	\$797,000	\$3,625,000	\$4,422,000
11855	\$797,000	\$3,588,000	\$4,385,000
Total	\$1,594,000	\$7,213,000	\$8,807,000

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7, Section 15303, which states new, small facilities or structures; installation of small new equipment and facilities in small structures; and water main, sewage, electrical, gas and other utility extensions of reasonable length to serve such construction, are exempt from CEQA. This exemption also applies to up to four commercial buildings not exceeding 10,000 square feet in floor area on sites zoned for such use. A Notice of Exemption for the project was filed with the Orange County Clerk-Recorder on December 6, 2022.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE FOR PROJECT 11854 IN THE AMOUNT OF \$3,625,000, FROM \$797,000 TO \$4,422,000, AND FOR PROJECT 11855 IN THE AMOUNT OF \$3,588,000, FROM \$797,000 TO \$4,385,000; AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 5 IN THE AMOUNT OF \$625,942 WITH STANTEC ARCHITECTURE, INC.; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH KPRS CONSTRUCTION SERVICES, INC., IN THE AMOUNT OF \$5,761,704 FOR THE OPERATIONS CENTER WAREHOUSE AND WATER QUALITY STORAGE BUILDING, PROJECTS 11854 AND 11855.

LIST OF EXHIBITS:

Exhibit "A" – Project Location Map
Exhibit "B" – Stantec Variance No. 5
Exhibit "C" – Bid Results – KPRS Construction Services, Inc.

Exhibit "A"

OPERATIONS CENTER WAREHOUSE AND WATER QUALITY STORAGE BUILDING - PROJECT SITE PLAN



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IRVINE RANCH WATER DISTRICT PROFESSIONAL SERVICES VARIANCE

Project Title: Warehouse Buildings at Michelson Operations CenterProject No.: 11854, 11855Date: 2/10/2025Purchase Order No.: 645760Variance No.: 5Originator: ☒ [X] IRWD ☐ [] ENGINEER/CONSULTANT ☐ [] Other (Explain) _____Description of Variance (*attach any back-up material*):

Additional design engineering services to redesign the warehouse lighting, modify the electrical design, expand the asphalt replacement work, extend the rigid inclusion system, prepare fire master plan, and incorporate additional items identified during design development. In addition, provide construction support services including meetings, review of shop drawings and requests for information, plan revisions, and record drawings. The scope of work is summarized in the attached Stantec variance letter.

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
Additional engineering services per attached Stantec letter	3,093	Varies				\$625,942.27
Total \$ =						\$625,942.27

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
--	Additional engineering services per attached Stantec letter	N/A	None	N/A

Required Approval Determination:

Total Original Contract	<u>\$475,632.00</u>	<input type="checkbox"/> [] Director: Cumulative total of Variances less than or equal to \$75,000.
Previous Variances	<u>\$199,978.00</u>	
This Variance	<u>\$625,942.27</u>	<input type="checkbox"/> [] Executive Director: Cumulative total of Variances less than or equal to \$125,000.
Total Sum of Variances	<u>\$825,920.27</u>	
New Contract Amount	<u>\$1,301,552.27</u>	<input type="checkbox"/> [] General Manager: Cumulative total of Variances less than or equal to \$200,000.
Percentage of Total Variances to Original Contract	<u>174</u> %	<input checked="" type="checkbox"/> [X] Board: Cumulative total of Variances greater than \$200,000.

ENGINEER/CONSULTANT: Stantec Architecture, Inc.

IRVINE RANCH WATER DISTRICT

Company Name
Cooper, Jessica (Los Angeles) (Los Angeles)
 Date: 2025.02.11 14:04:33-08'00'

Project Engineer/Manager

Date

Department Director

Date

February 11, 2025

Engineer's/Consultant's Management

Date

General Manager/Board

Date

IRVINE RANCH WATER DISTRICT

PROFESSIONAL SERVICES VARIANCE REGISTER

[illegible]



Stantec Architecture Inc.
801 S Figueroa St, Unit 300
Los Angeles, CA 90014

February 10, 2025
File: 2014269100

Attention: Tiffany Foo, PE
Irvine Ranch Water District
3512 Michelson Drive, Irvine, CA 92612

Dear Ms. Foo,

Reference: Stantec Construction Administration Services for the New Warehouse and Water Quality Storage Buildings at the Michelson Operations Center

We are pleased to submit our scope of work and fee proposal for construction administration services, and previously unbilled additional services for the IRWD Michelson Operations Center New Warehouse and Water Quality Storage Building.

SCOPE OF SERVICES

CONSTRUCTION ADMINISTRATION SERVICES

On November 21, 2024, Irvine Ranch Water District ("the District") held a Pre-bid Site Walk for all proposing General Contractors. By invitation, Stantec accompanied the District and potential bidders to walk the Michelson Operations Center Warehouse yard, Water Quality Storage Building site, and temporary yard for storage of materials and equipment during construction. This walk signaled the end of the A/E Design contract and beginning of the Construction Administration (CA) phase.

Stantec will provide Irvine Ranch Water District construction phase services including Project Management, submittal/shop drawing review, response to requests for information, plan revisions, site visits and record drawing preparation. Our fee includes civil, architectural, industrial, structural, mechanical, plumbing, electrical, fire protection, communications and technology discipline CA services for the scope of work delineated below. The fees are based on the scope outlined herein and the clarifications, basis of fee inclusions, and exclusions listed in the General Conditions / Qualifications section of this letter.

These services are detailed below as follows:

Task 1: Project Management

Stantec will conduct project management that adheres to the scope of work, schedule, and budget of the project. Stantec will provide frequent communication with the District and other project stakeholders and implement Stantec's Quality Assurance and Quality Control (QA/QC) System. The scope of services for Project Management shall include the following:

- 1.1 Project Status Reports, Invoicing, and Document Control - Stantec shall conduct project management activities to track progress of work, manage staff, manage budget, and maintain

Design with community in mind

Reference: Stantec Construction Administration Services for the New Warehouse and Water Quality Storage Buildings at the Michelson Operations Center

internal management documents. Stantec will prepare monthly invoices for the District for the project duration of sixteen (16) months.

1.2 Quality Assurance and Quality Control (QA/QC) - Stantec will implement its quality assurance and quality control protocol for all deliverables submitted to IRWD. Each deliverable will be reviewed for completeness and accuracy by a senior staff member prior to being submitted to IRWD for review.

1.3 Communication – Stantec will field incoming/outgoing RFIs, submittals, deviation requests, field changes, etc., and distribute to the appropriate discipline and/or subconsultant. We will manage deliverables, response timelines, coordinate meetings and site visits.

Task 2: Project Meetings

2.1 Project Meetings - Stantec will attend sixty (60) Owner/Architect/Contractor (OAC) virtual construction progress meetings of one (1) hour each during the course of the project construction period. The OAC meetings will be attended by one (1) Stantec participant.

2.2 Discipline Specific Meetings – Stantec and our consultants will attend ten (10) virtual meetings of one (1) hour each. The Discipline Specific Meetings will be attended by one (1) participant.

Task 3: Shop Drawing Review

3.1 Stantec has budgeted for a combined total shop drawing review of one hundred fifty (150) submittals and of one hundred fifty (150) resubmittals. Submittals will be reviewed by Stantec and our subconsultants, Peterson Structural, and NMG Geotechnical, for completeness and conformity with the contract documents. Stantec will deliver copies of the reviewed submittals to the IRWD Inspector, IRWD Project Manager, IRWD File and Contractor as required by the Specifications.

3.2 Stantec has budgeted an average of four (4) hours of review time for each submittal and one (2) hour of review time for resubmittals.

Task 4: Contractor's Request for Information/Clarification (RFI/RFC)

4.1 Stantec has budgeted for a combined total RFI/RFC review of ninety (90) submittals. RFI's/RFC's will be responded to by Stantec and our subconsultants, Peterson Structural, and NMG Geotechnical.

4.2 We assume an average of four (4) hours of review time for each RFI/RFC submittal.

Reference: Stantec Construction Administration Services for the New Warehouse and Water Quality Storage Buildings at the Michelson Operations Center

Task 5: Change Order Review

5.1 Stantec has budgeted for review of five (5) change orders submitted by the Contractor and will provide comments to IRWD. We have budgeted for twelve (12) hours for each change order review.

Task 6: Plan Revisions

6.1 Stantec has budgeted for two hundred (200) hours of staff time for minor revisions to the construction drawings during the course of the project construction period.

Task 7: Site Visits during Construction

7.1 Stantec will conduct ten (10) site visits of four (4) hour each, including drive time, during the course of the project construction period. The site visits will be attended by one (1) Stantec participant.

Task 8: Record Drawings

8.1 At construction completion, Stantec and it's subconsultants will prepare record drawings using the Contractor's and IRWD's redlines and RFI responses. Stantec will deliver Revit files for the entire plan set, and a single-color PDF electronic file of the entire construction plan set.

Task 9: Coordination during Construction

9.1 Stantec and it's subconsultants have budgeted for two hundred (200) hours of staff time for drawing clarifications and general field questions during the course of the project construction period..

GENERAL CONDITIONS/QUALIFICATIONS

The fees are based on the following clarifications, inclusions, and exclusions.

1. Project-specific insurances are not included in our fee.
2. Project-related permitting fees are not included in and are the responsibility of the District.
3. Fees are developed in accordance with the understanding of the current project schedule projected by the District. Schedule extensions are not assumed by these fees in this proposal.
4. Invoices will be submitted monthly on a time and materials basis. Once the project budget reaches approximately 75% spent, we will notify the District and reassess the level of continued support needed to complete the project.
5. Construction related to geotechnical and onsite archaeological monitoring will be provided by others and are not included in this proposal.

Reference: Stantec Construction Administration Services for the New Warehouse and Water Quality Storage Buildings at the Michelson Operations Center

6. The Design Team (Stantec and its subconsultant partners), will review infrastructure requirements for all owner-furnished/owner-installed (OFOI) equipment as noted in the drawing set. The District is responsible for providing detailed technical information to the Design Team for this review.
7. Construction Administration Fee:
 - a. At time of proposal, the anticipated Notice-of-Award date for the General Contractor is February 24, 2025, and duration of construction is anticipated for 16 months, including startup and close-out.
 - b. Assumptions for CA fees are based on a 16-month duration.
8. Site Visits (in-person):
 - a. Site Walks “As Needed” between the Design Team and the District or General Contractor.
 - b. Hours include travel time to/from the project site.
 - c. If additional site visits are requested above those included in this section, a contract variance will be submitted for additional travel time and hours associated with the work.
9. For all field investigations, construction site visits, etc., all necessary work orders, access requests, etc. will be completed by the District, and dates/times confirmed with those responsible for granting access, Warehouse and Water Quality management, occupants of the areas, etc. in advance of arrival.
10. Landscape design services are not included.
11. The record documents will reflect the as-built conditions in the field, to the extent provided by the General Contractor and its subcontractors.
12. This proposal does not include services related to the preparation of hydrocarbon, asbestos demolition, mold, or lead-based paint removal specifications. If this is required it will be prepared by a required/applicable Licensed Hazardous Material Abatement Sub-contractor and not a Stantec scope.
13. A full-time Construction Administrator for the Design Team, to be co-located onsite with the General Contractor, is not assumed for this project.
14. This proposal does not include assistance from Stantec to prepare any O&M manuals.
15. This proposal does not include commissioning services. Stantec will be available for questions during the commissioning process performed by Others.
16. Determining the “Means and Methods” of construction are exclusively the responsibility of the awarded General Contractor.
17. Construction administration services will be provided as detailed in Tasks 1 through 9 above. Services beyond those described and requested by the District shall be performed as additional services.
18. The expected number of RFIs is shown above. Where reasonably required and requested, the Design Team will review and take such action as it deems appropriate to address RFIs to provide clarification and interpretations necessary for the General Contractor to proceed with work in the field. It is agreed that:
 - a. The Design Team will determine the format of its response to RFIs including whether in narrative or graphic format.
 - b. Whether or not drawings/sketches will be updated to answer to RFIs will be determined by the District and the Design Team. The Design Team may not be required to update drawings/models in all instances.

Reference: Stantec Construction Administration Services for the New Warehouse and Water Quality Storage Buildings at the Michelson Operations Center

19. The expected number of Submittals is shown above. The assumption is (1) one submittal with (1) one round of resubmittal. Submittal Reviews can involve multiple disciplines. Submittal Reviews are expected to average 4 hours of review per submission and 2 hours for resubmittal.
 - a. The Design Team will determine the format of its response to Submittals including whether in narrative or graphic format.
 - b. The Design Team will review contractor submittals. Such review is undertaken for the limited purpose of assessing general conformance with the design intent shown in the IFC drawings. The Design Team can reject any submittal that:
 - o does not comply with the contract documents, design intent or the Designer's IFC submission in a material way;
 - o The Design Team determines the submittal is not fully complete.
 - c. If the District proposes any deviations from the Project Requirements or the IFC documents, whether or not such deviation is incorporated into the contractor-submittal, the District shall specifically notify Stantec of such deviation in writing and shall include sufficient documentation to demonstrate that such deviation is acceptable to the District and fully compliant with all Project requirements and achieves all performance requirements in all respects.
 - d. Development of Contractor-submittals, including shop and fabrication drawings, is exclusively the responsibility of the awarded General Contractor and their subcontractors, and excluded from the Design Team's scope of Services.
 - e. The Design Team is not responsible for any deviations, errors, omissions or discrepancies in any contractor-submittal, whether or not reviewed, approved or otherwise by the Design Team.
20. General Contractor is to refer to the Project Manual and Specifications for what is required for each section, whether it is Product Data, Shop Drawings, Samples, etc.
21. Exclusion for any disciplines not included in this proposal and submitted fee schedule. Work outside of the described SOW can be provided through an add service contract variance.

Reference: Stantec Construction Administration Services for the New Warehouse and Water Quality Storage Buildings at the Michelson Operations Center

ADDITIONAL DESIGN SERVICES (PREVIOUSLY INCURRED)

The approved budget and hours in the original SOW and subsequent Variances submitted by the Design Team were inadequate to support the work needed for the 100% CD submittal and the Issue for Construction (IFC) document set. The initial 100% CD set was submitted in July 2023; and the Final IFC set was approved in October 2024 (15 months later). The District has acknowledged through emails and other conversations, that additional design services were needed, in part, to support schedule extension, numerous document reviews, multiple comment logs, design changes, revisions to the drawings, Title 24 lighting redesign, and cost estimate updates. Stantec and its subconsultants is submitting for previously unbilled work as part of this proposal, which is tracked separately from the Construction Administration scope of work.

The additional design services are summarized as follows:

Tasks	Hours		Total
Title 24 Lighting Redesign (Solatube Removal)	57	\$	9,825.00
Redesign: Electrical & Telecom Re-Review	84	\$	16,546.50
Redesign: Civil & Site Re-Review	81	\$	13,849.50
Redesign: Architectural, Mechanical and Plumbing Re-Review	105	\$	17,193.00
Specifications Re-Review & Reformatting	88	\$	15,132.50
Fire Master Plan	130	\$	19,810.02
Project Management & Correspondence w/IRWD	68	\$	10,386.00
Cost Estimate Revisions (Stantec)	10	\$	1,316.25
Expenses		\$	0.00
Subconsultants			
Jacobus & Yuang – Cost Estimate Revisions		\$	2,952.50
Peterson Structural Engineers – Structural Revisions		\$	11,821.00
		\$	
Total		\$	118,832.27

Reference: Stantec Construction Administration Services for the New Warehouse and Water Quality Storage Buildings at the Michelson Operations Center

FEE SCHEDULE SUMMARY

Below is a summary of the fee schedule with this request:

Tasks	Hours		Total
Task 1: Project Management	360	\$	72,000.00
Task 2: Project Meetings	70	\$	14,000.00
Task 3: Shop Drawing Review	900	\$	180,000.00
Task 4: RFI's / RFC's	360	\$	72,000.00
Task 5: Change Order Review	60	\$	12,000.00
Task 6: Plan Revisions	200	\$	40,000.00
Task 7: Site Visits	40	\$	8,000.00
Task 8: Record Drawings	280	\$	56,000.00
Task 9: Coordination during Construction	200	\$	40,000.00
3B/C.03 – V05 – Additional Design Services	623	\$	118,832.27
Expenses		\$	13,110.00
Total		\$	625,942.27

Regards,

Stantec Architecture, Inc.

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Attachment: Detailed Fee Breakdown

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Exhibit "C"

Bid Results

Bidder Details

Vendor Name	KPRS Construction Services, Inc.
Address	2850 Saturn Street Brea, California 92821 United States
Respondee	Angel Barrera
Respondee Title	Chief Estimator
Phone	714-381-8053
Email	angelb@kprsinc.com
Vendor Type	CADIR
License #	751130
CADIR	1000001182

Bid Detail

Bid Format	Electronic
Submitted	01/22/2025 1:59 PM (PST)
Delivery Method	
Bid Responsive	
Bid Status	Submitted
Confirmation #	411037

Respondee Comment

Buyer Comment

Attachments

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

Subcontractors

Showing 13 Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Type
Anderson Air Conditioning 2100 E. Walnut Ave Fullerton, California 92831	HVAC	894408	1000765095	\$105,900.00	CADIR
Crew, Inc 19618 S. Susana Rd Rancho Dominguez, California 90221	Demolition & Earthwork	696291	10000000685	\$263,900.00	
Fineline Electric 15375 Barranca Pkwy Irvine, California 92618	Electrical & Fire Alarm	1095531	1000965386	\$687,707.00	
JG Gentry 1297 W. 9th Street Upland, California 91786	Site Concrete	A991354	1000045135	\$193,180.00	
N-U Enterprise 7 Goddard Street Ste. 200 Irvine, California 92618	Drywall	888647	1000007865	\$125,937.00	
Nowlin Fence, Inc. 945 S. East Street Anaheim, California 92805	Fencing	281665	1000004056	\$76,038.00	
PV&C 1620 S. Grove Ave Suite B Ontario, California 91761	Plumbing	529259	1000011218	\$79,964.00	
Ramirez Company 778 N. Georgia Ave Azusa, California 91702	Site Utilities	1019358	1000045372	\$210,854.00	
SCI, Inc. 18501 Collier Suite b-106 Lake Elsinore, California 92530	Concrete	782607	1000029396	\$587,800.00	
Sark Custom Awnings & Window Co 12832 Muscatine Street Pacoima, California 91331	Canopies	755504	1000033070	\$48,970.00	
Shambaugh & Son, LP 3233 Enterprise Street Brea, California 92821	Fire Sprinkler	998265	1000450522	\$56,077.00	
Shook Building Systems, Inc. 127 Business Center Drive, Suite B Corona, California 92878	Metal Building	283001	1000014167	\$1,026,237.00	
Superior Paving Company Inc dba U 1880 N. Delilah St. Corona, California 92879	AC Paving	865828	1000002565	\$227,470.00	

Line Items

Discount Terms No Discount

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
BASE BID ITEMS							\$5,761,704.00		
1			Mobilization, demobilization, and clean-up	LS	1	\$229,110.00	\$229,110.00	Yes	
2			Site Improvements	LS	1	\$1,942,783.00	\$1,942,783.00	Yes	
3			Warehouse Building and Canopy	LS	1	\$2,589,993.00	\$2,589,993.00	Yes	
4			Water Quality Storage Building	LS	1	\$727,060.00	\$727,060.00	Yes	
5			Temporary storage	LS	1	\$76,782.00	\$76,782.00	Yes	
6			Payment and performance bonds and insurance	LS	1	\$111,166.00	\$111,166.00	Yes	
7			Erosion control measures	LS	1	\$36,710.00	\$36,710.00	Yes	
8			Trench safety measures	LS	1	\$22,400.00	\$22,400.00	Yes	
9			Startup, testing, and training	LS	1	\$15,700.00	\$15,700.00	Yes	
10			Operation and maintenance manuals	LS	1	\$5,000.00	\$5,000.00	Yes	
11			Prepare and maintain record drawings	LS	1	\$5,000.00	\$5,000.00	Yes	
ADDITIVE AND DEDUCTIVE BID ITEMS							\$0.00		
12			ADDITION (+) OR DEDUCTION (-)	LS	1	\$0.00	\$0.00	Yes	

Line Item Subtotals

Section Title	Line Total
BASE BID ITEMS	\$5,761,704.00
ADDITIVE AND DEDUCTIVE BID ITEMS	\$0.00
Grand Total	\$5,761,704.00

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