

AGENDA
IRVINE RANCH WATER DISTRICT
WATER RESOURCES POLICY AND COMMUNICATIONS
COMMITTEE MEETING
THURSDAY, SEPTEMBER 7, 2023

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 Webex: <https://irwd.webex.com/irwd/j.php?MTID=md81ad9caf76283ac2460ae9d2efeeef0>
Meeting Number (Access Code): 2492 267 4959
Meeting Password: BntcPgF74K3

As courtesy to the other participants, please mute your phone when you are not speaking.

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

CALL TO ORDER 1:30 p.m.

ATTENDANCE Committee Chair: John Withers _____
Member: Karen McLaughlin (Alternate) _____

ALSO PRESENT

Paul Cook	_____	Paul Weghorst	_____
Wendy Chambers	_____	Fiona Sanchez	_____
Christine Compton	_____	Jim Colston	_____
John Fabris	_____	Kellie Welch	_____
Mark Tettermer	_____	Amy McNulty	_____
Michael Van Dyke	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PUBLIC COMMENT NOTICE

If you wish to address the Committee on any item, please submit a request to speak via the “chat” feature available when joining the meeting virtually. Remarks are limited to three minutes per speaker on each subject. Public comments are limited to three minutes per speaker on each subject. You may also submit a public comment in advance of the meeting by emailing comments@irwd.com before 8:00 a.m. on September 7, 2023.

COMMUNICATIONS

1. Notes: Weghorst
2. Public Comments
3. Determine the need to discuss and/or take action on item(s) introduced that came to the attention of the District subsequent to the agenda being posted; and determine which items may be approved without discussion.

INFORMATION

4. MUNICIPAL WATER DISTRICT OF ORANGE COUNTY 2023 ORANGE COUNTY WATER RELIABILITY STUDY – WEGHORST

Recommendation: Receive and file.

ACTION

5. 2023 LEGISLATIVE AND REGULATORY UPDATE – COMPTON

Recommendation: Receive and file.

6. AMENDED WATER SUPPLY ASSESSMENT FOR PLANNING AREA 39 LOTS 10 AND 13 PROJECT – WELCH / AKIYOSHI / SANCHEZ / WEGHORST

Recommendation: That the Board approve the Amended Water Supply Assessment for the revised Planning Area 39 Lots 10 and 13 Project.

OTHER BUSINESS

7. Directors' Comments
8. Adjourn

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 Committee in connection with a matter subject to discussion or consideration at an open meeting of the Committee 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 Committee 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 Committee 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.

September 7, 2023
Prepared and
submitted by: P. Weghorst
Approved by: Paul A. Cook *PAC*

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
2023 ORANGE COUNTY WATER RELIABILITY STUDY

SUMMARY:

The Municipal Water District of Orange County (MWDOC) has prepared its 2023 Orange County Water Reliability Study which provides estimates of future shortages of potable water in South Orange County and areas that overlie the Orange County Groundwater Basin. In the study, shortages are described for five different planning scenarios. Provided is an overview of the findings and recommendations from the study. At the Committee meeting, a representative from MWDOC will present an overview of the reliability study.

BACKGROUND:

In July, MWDOC released the 2023 Orange County Water Reliability Study that is provided as Exhibit “A”. The study provides estimates of the probability and magnitude of future water shortages in Orange County under the five planning scenarios that are listed in Exhibit “B”. These scenarios are based on the stresses associated with different climate change conditions, varying degrees of local and regional water supplies, as well as different assumptions for the implementation of the California Delta Conveyance Project (DCP). The scenarios represent the following conditions:

1. Low stress without the DCP;
2. Moderate stress without the DCP;
3. Moderate stress with the DCP;
4. Significant stress without the DCP; and
5. Significant stress with the DCP.

The 2023 study builds on MWDOC’s 2018 Reliability Study by incorporating a better understanding of potential climate change impacts, reduced availability of imported water supplies, changes in planned water supply projects, declining water demands, and completion of a needs analysis. At the Committee meeting, a representative from MWDOC will present an overview of 2023 study, its findings, and recommendations.

Water Supply Reliability Findings:

MWDOC’s 2023 Reliability Study provides estimates of water shortages in the years 2030 and 2050 in South Orange County and areas overlying the Orange County Groundwater Basin. Shortage estimates are provided for the five planning scenarios depicted in Exhibit “B” assuming two demand assumptions: 1) no changes in demand, and 2) a 15% reduction in demand during

critical drought periods. The following table summarizes the maximum shortages that would be expected to occur for both demand conditions across all five of MWDOC’s planning scenarios. These maximum shortages are expected to occur 1.9% of the time by 2030 and 3.5% of the time by 2050.

Maximum Shortages Expected to Occur
 Across MWDOC’s Five Planning Scenarios

Region	Demand Reduction During Critical Droughts	Maximum Shortages in 2030 (AFY)	Maximum Shortages in 2050 (AFY)
Area Overlying Orange County Groundwater Basin	15%	9,000	87,000
	None	70,000	153,000
South Orange County	15%	11,000	37,000
	None	31,000	57,000

The MWDOC 2023 study also provides estimates of economic impacts related to the described shortages. These impacts were estimated using information from a survey of businesses located outside of IRWD’s service area. These economic impacts are not realistic to IRWD’s service area because the study does not reflect IRWD’s ability to use water from its Water Bank in Kern County. The IRWD Water Bank would provide water needed to avoid shortages and economic impacts in the IRWD service area.

Recommendations:

MWDOC makes three recommendations in its 2023 Orange County Water Reliability Study. The recommendations are as follows:

1. Orange County water agencies should continue to make investments in water reuse, water use efficiency, water transfers and banking, conjunctive use, and desalination.
2. Orange County should advocate for a balanced regional portfolio of water supplies at Metropolitan Water District that includes implementation of the Pure Water Southern California Project, implementation of the DCP, new regional storage, continued financial support for water use efficiency and local projects, as well as exploration of regional seawater desalination.
3. Orange County and Metropolitan should continue to study the evolving science of climate change and its impacts on water demands and supplies, as well as develop adaptive management strategies to mitigate these impacts.

IRWD staff participated in the preparation of MWDOC's 2023 study by providing comments and suggestions throughout the process. Modeling information from the MWDOC study will serve as a foundation for the ongoing development of IRWD's 2023 Water Supply Reliability Evaluation.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not Applicable.

RECOMMENDATION:

Receive and File.

LIST OF EXHIBITS:

Exhibit "A" – MWDOC's 2023 Orange County Water Reliability Study
Exhibit "B" – MWDOC's 2023 Reliability Study Planning Scenarios

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Exhibit "A"



2023

ORANGE COUNTY

WATER RELIABILITY STUDY

Municipal Water District of Orange County

July 2023

CDM
Smith®

A-1

Table of Contents



Executive Summary **1**



Section 1: Introduction **5**

- 1.1 History of Orange County Water Reliability Study 5
- 1.2 Changed Conditions for 2023 Study 6
- 1.3 Objectives for 2023 Orange County Water Reliability Study 14



Section 2: Planning Scenarios **15**

- 2.1 Uncertainties 15
- 2.2 Planning Scenarios 21



Section 3: Water Supply Modeling **23**

- 3.1 Orange County Water Supply Systems Model 23
- 3.2 Water Demand Forecast 25
- 3.3 Orange County Groundwater Assumptions 30
- 3.4 Imported Water Modeling 33



Section 4: Water Supply Reliability Assessment **43**

- 4.1 MET Regional Reliability 43
- 4.2 Orange County Reliability 45
- 4.3 Summary of Reliability Assessment 49



Section 5: Economic Impacts of Water Shortages **51**

- 5.1 Summary of Economic Impacts 52
- 5.2 Applying Economic Impacts to Study Results 53



Section 6: Conclusions **57**

- 6.1 Summary of Findings 57
- 6.2 Recommendations 58



Section 7: Study References **59**

Executive Summary


Background


Ensuring a reliable water supply that is resilient to droughts and climate change is essential to supporting a vibrant economy and quality of life for residents in Orange County. To help guide planning for future water supply reliability for water providers in Orange County and provide input on regional water supply issues for the Metropolitan Water District of Southern California (MET), the Municipal Water District of Orange County (MWDOC) has prepared this 2023 Orange County Water Reliability Study (2023 OC Study) based on a number of changed conditions since the completion of its previous 2018 OC Study.


The changed conditions include:


- Improved understanding of climate change impacts to water supply reliability.
- Declining water availability from the State Water Project and the Colorado River.
- Changes in planned water supply projects, such as the California’s withdrawal of permits for the two-tunnel California WaterFix project and its replacement with a one-tunnel Delta Conveyance Project, and the advancement of MET’s Pure Water Southern California project.
- Reduced regional and Orange County water demands through successful water reuse and water use efficiency efforts.
- Completion of MET’s 2020 Integrated Water Resources Plan (IRP) Needs Assessment, including higher assumptions of new local water supplies in the region than previously projected.

The objectives of the 2023 OC Study are:

- 

1 Re-estimate the probability and magnitude of potential MET and Orange County water shortages under a more robust set of planning scenarios, incorporating changed conditions.
- 

2 Demonstrate how potential water shortages in Orange County can be reduced through temporary water demand restrictions during worst-case droughts, utilization of recent investments made by Orange County water providers, maximizing the use of groundwater assets, and planned reuse and desalination projects.
- 

3 Using MWDOC’s recent study on the economic impacts of water shortages, estimate the value of recently implemented and future water supply projects in Orange County.
- 

4 Provide recommendations for local and regional water supply planning based on the findings from this study.

MET’s Diamond Valley Lake
Picture Courtesy of Charles Busslinger

Water Reliability Assessment

The 2023 OC Study developed five plausible planning scenarios made up of combinations of uncertainties facing Southern California and Orange County, which are summarized as:

SCENARIO 1. Low Stress without Delta Conveyance



Warm/wet climate future, lower-level retail water demands, increased local water supplies in the MET region, moderate amounts of new MET water supplies, but without implementation of California's Delta Conveyance Project.

SCENARIO 2. Moderate Stress without Delta Conveyance



Warm/dry climate future, medium-level retail water demands, increased local water supplies in the MET region, moderate amounts of new MET water supplies, but without implementation of California's Delta Conveyance Project.

SCENARIO 3. Moderate Stress with Delta Conveyance



Warm/dry climate future, medium-level retail water demands, increased local water supplies in the MET region, moderate amounts of new MET water supplies, and implementation of California's Delta Conveyance Project.

SCENARIO 4. Significant Stress without Delta Conveyance



Hot/dry climate future, higher-level retail water demands (but offset with increased water use efficiency), increased local water supplies in the MET region, higher amounts of new MET water supplies, but without implementation of California's Delta Conveyance Project.

SCENARIO 5. Significant Stress with Delta Conveyance



Hot/dry climate future, higher-level retail water demands (but offset with increased water use efficiency), increased local water supplies in the MET region, higher amounts of new MET water supplies, and implementation of California's Delta Conveyance Project.

The results of the water demand and supply modeling for the 2023 OC Study were then used to estimate the probability and size of potential MET water shortages. MET water shortages were then allocated to Orange County using MET's water supply allocation formulas. Shortages were first estimated without mandatory water use restrictions, and then with assumed 15 percent water use restrictions. Under the more likely Scenarios of 2-5, the probabilities of any-sized water shortage occurring for the MET region and in Orange County range from 10 to 20 percent of the time (or between 1 in 10 years to 1 in five years). Maximum water shortages for Scenarios 2-5, assuming 15 percent mandatory water use restrictions by 2050, are estimated to range from 171,000 to 538,000 AFY for MET and range from 40,000 to 128,000 AFY for Orange County. These maximum shortages are projected to occur 3.5 percent of the time.

Key Findings and Recommendations

The key findings from the 2023 OC Study are summarized as:



Under a hot/dry climate future (which recent evidence seems to suggest might be the current path), coupled with 15 percent mandatory water demand restrictions and optimistic future water supply assumptions (i.e., maximum levels of local and regional reuse, increased water use efficiency, new water transfers and storage, and implementation of the Delta Conveyance Project), the analysis indicates that water shortages in the MET and Orange County service area can still occur. The maximum water shortage in 2050 under these future conditions (as represented in Scenario 5) is 171,000 AFY for MET and 40,000 AFY for all of Orange County. The probability of these maximum shortages occurring is 3.5 percent.



Within Orange County, these net water shortages can be reduced to near zero values utilizing recent investments made by local water agencies in reuse and water banking, temporarily maximizing local groundwater beyond overdraft targets, and with planned new water supply projects.



The maximum value of the Delta Conveyance Project, when coupled with 250,000 AF of new regional storage, is estimated to be 367,000 AFY for MET and 63,000 AFY for Orange County. The Delta Conveyance Project also reduces the probability that any shortage occurs by about 10 percent—meaning a doubling of the time between shortage conditions from once every 5 years to once every decade.



Based on MWDOC's 2022 report on the Economic Impacts of Water Shortages in Orange County, the value of water supply investments in Orange County is estimated to be approximately \$2,500/AF in present value terms. In comparison, the present value unit costs of recently completed and planned water supply projects in Orange County range from \$1,950-\$2,350/AF. Therefore, it can be interpreted that these Orange County projects represent a net economic benefit to Orange County.

The following represents the recommendations from the 2023 OC Study:



Recommendation 1

Orange County water agencies should continue to make investments in water reuse, water use efficiency, water transfers and banking, groundwater/surface water conjunctive use, and desalination.

Recommendation 2

Orange County officials should advocate for a balanced regional portfolio of water supplies for MET that includes: (a) implementation of MET’s Pure Water Southern California program; (b) implementation of the Delta Conveyance Project; (c) new regional storage, which could include participation in the proposed Sites Reservoir Project; (d) continued financial support for water use efficiency and local projects, and (e) exploration of regional seawater desalination.

Recommendation 3

Orange County and MET should continue to study the evolving science of climate change and its impacts on water demands and supplies, as well as develop adaptive management strategies to mitigate these impacts.

In short, there is no one or two silver bullets that will provide full water reliability for MET and Orange County. The results from this comprehensive assessment justify an “all of the above strategy” to ensure a robust regional economy and quality of life for our residents for decades to come.

Section 1: Introduction

1.1 History of Orange County Water Reliability Study

Water reliability and resiliency is of key importance for the Southern California region and within Orange County. Droughts and unplanned system failures can significantly reduce water supplies needed for a robust economy and quality of life for residents. In 2014, the Municipal Water District of Orange County (MWD OC) completed its first Orange County Water Reliability Study (OC Study). This study examined water supply and system reliability¹ for three areas of the county: (1) Brea/La Habra; (2) Orange County Basin; and (3) South Orange County. These areas were defined based on the amount and sources of local water supply and vulnerability to imported water shortages caused by droughts and seismic events. To evaluate water reliability for this study, a systems model was developed by CDM Smith that simulates future water demands and supplies under multiple hydrologies and climate change.

In 2018, MWD OC updated the OC Study based on more advanced modeling of imported water from the Metropolitan Water District of Southern California (MET) and local groundwater in Orange County using planning scenarios. At the time of the 2018 OC Study, it was assumed that the California “WaterFix” two-tunnel project in the Sacramento–San Joaquin River Delta would be implemented by 2035 for all of the scenarios given that the project had cleared an extensive environmental review and approvals by the State and Federal governments. Based on the climate change modeling and information available, two climate scenarios were utilized that represented minimal and moderate climate impacts on imported and local water supplies. Finally, the 2018 OC Study examined several proposed Orange County water supply projects in terms of potential costs and benefits.

¹ Water supply reliability measures water shortages caused by hydrology (e.g., droughts and extended dry periods), whereas system reliability measures water shortages caused by unplanned outages (e.g., seismic events or major system failures).

1.2 Changed Conditions for 2023 Study

As a result of significant changed conditions since the 2018 OC Study, MWDOC has prepared this updated 2023 OC Study. It should be noted that some of these changed conditions decreased the water reliability estimated in the 2018 OC Study, while others improved the estimated reliability.

Changed Condition 1 – Improved Understanding of Climate Change

The final installment of the Intergovernmental Panel on Climate Change’s (IPCC) Sixth Assessment Report was released on March 20, 2023. This 8-year long undertaking from the world’s most authoritative scientific body on climate change summarizes the findings from 234 scientists on the physical science of climate change; 270 scientists on impacts, adaptation and vulnerability to climate change; and 278 scientists on climate change mitigation. To date, this is the most comprehensive and best available scientific assessment of climate change. Some of more relevant findings from this IPCC report are as follows:



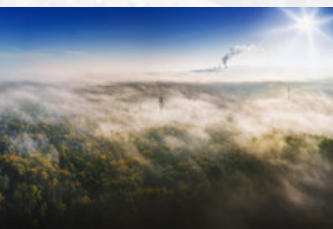
Climate change is already underway. The current 1.1 degrees C of global temperature rise (with the last decade being the warmest in over 125 years) has resulted in: glacial retreat and loss of summer arctic ice that is greater than anytime during the last 2,000 years; sea level rise that has been faster than any prior century for 3,000 years; ocean acidification that is at its highest level in last 26,000 years; and observable shifts in the hydrologic cycle of fresh water systems.



Climate impacts are more widespread and severe than expected. Every degree increase beyond the current 1.1 degrees C increase will result in significantly more droughts, extreme heat events, flooding, and wildfires; and significant loss of food-producing agriculture and ecosystem biodiversity.



Some climate impacts are so severe that they can never be adapted. Some areas around the globe have reached a point where climate adaptation can no longer be implemented, resulting in permanent losses and damages.



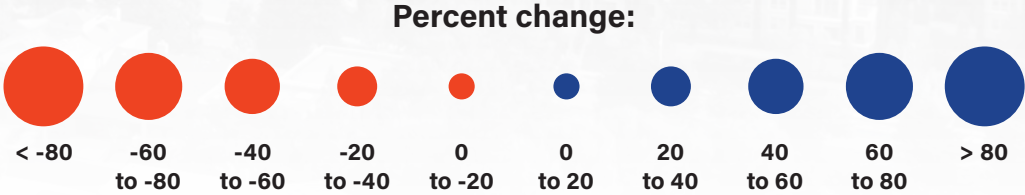
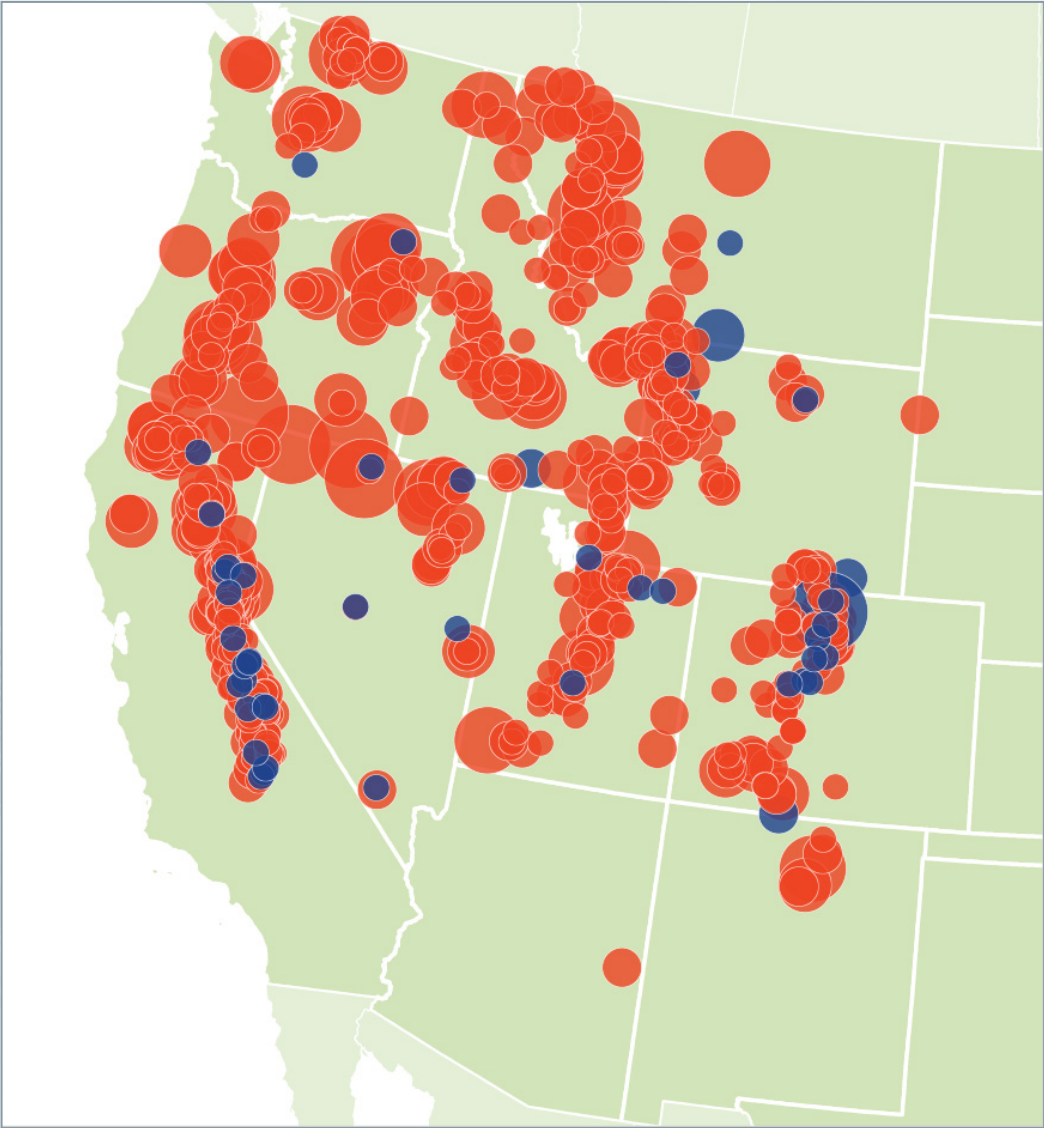
Global greenhouse gas emissions will continue to climb. Global emissions will continue to climb through 2030 before leveling off and then start to decrease if current world governments mitigation efforts are successful. As a result, between 2021 and 2050 there is a more than a 50 percent chance that global temperature rise will surpass 1.5 degrees C and a 25 percent chance that temperatures will rise past 3.5 degrees C.



Changes in precipitation and intensity will vary in North America. The findings indicate that there is a high confidence that total precipitation will increase for the northern half of North America, and medium confidence that it will decrease in parts of the western and south western United States. Further, a greater fraction of precipitation is expected to occur as “intense events” such as those caused by atmospheric rivers.

Regional evidence of climate change can be seen in decreased snowpack in the Western United States, as depicted in **Figure 1-1**. In California, snowpack has declined by 30-50 percent since 1955. Snowpack is essentially free storage and in an average year it represents about 30 percent of the fresh water supply in California and Colorado River basin.

Figure 1-1. Changes in April Snowpack from 1955-2022

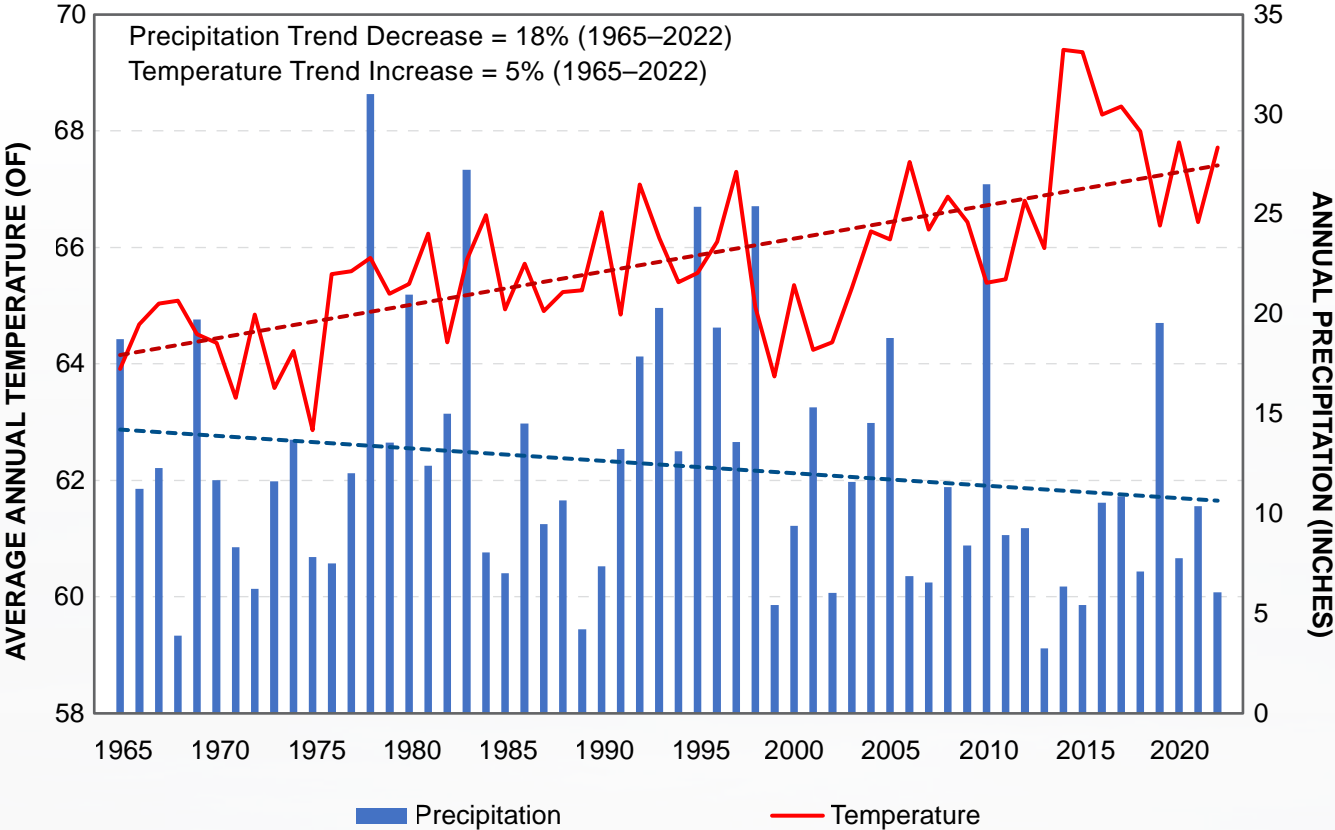


Graphic Source: Courtesy of <https://www.epa.gov/climate-indicators/climate-change-indicators-snowpack>

In addition, since 1945 there has been an 18 percent decline in snowmelt contribution to late spring inflows in the Sacramento River. The shifting of snowmelt from late spring to late winter occurring in California is important because less of it can be utilized as water supply.

Within Orange County, evidence of climate change can be seen in **Figure 1-2**, with clear trends showing precipitation decreasing by 18 percent and temperature increasing by 5 percent since 1965.

Figure 1-2. Historical Orange County Climate



Data Source: NOAA, Santa Ana Fire Station Data.





Lake Mead

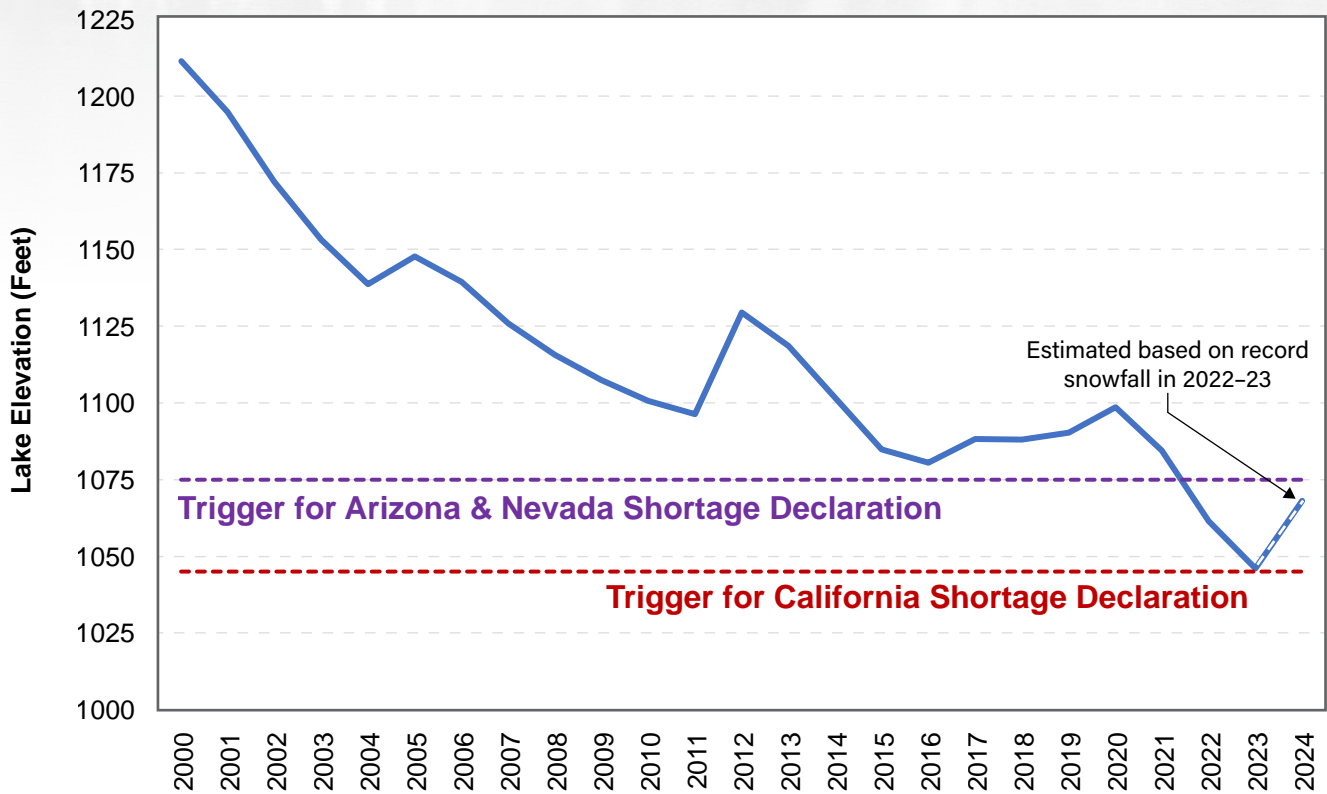


MET's Robert R. Diemer Water Treatment Plant
Picture Courtesy of Charles Busslinger

Changed Condition 2 – Declining Imported Water Availability

Since the publication of the 2018 OC Study, imported water to MET's region from the Colorado River Aqueduct (CRA) and State Water Project (SWP) have declined in reliability. The current 23-year drought in the Colorado River Basin is considered the worst in 1,200 years². Lake Mead elevation levels have been steadily declining since 2000 (see **Figure 1-3**), triggering official shortage declarations from the U.S. Bureau of Reclamation (BOR) for Arizona and Nevada in 2022 under the current Drought Contingency Plan. California's shortage declaration under the current drought plan occurs when Lake Mead elevations are consistently below 1,045 feet. In July 2022, lake levels did drop to 1,040 feet but rebounded slightly to 1,046 feet due to recent record rainfall in late 2022 which spared California an official shortage declaration. Record snowpack in late 2022 and early 2023 is expected to increase Lake Mead elevation to 1,061 feet by the end of 2023.

Figure 1-3. Lake Mead Elevation Levels



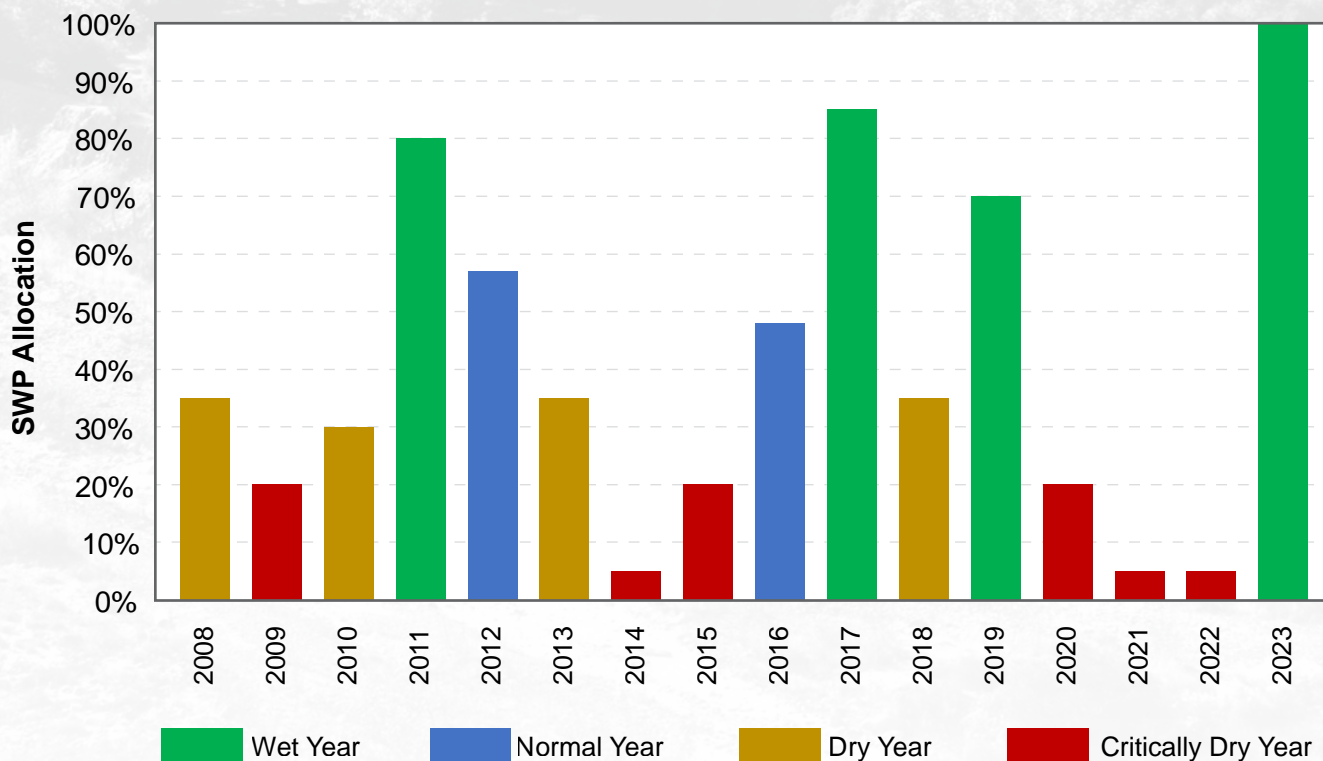
Data Source: <https://www.usbr.gov/lc/region/g4000/hourly/mead-elv.html>

² Based on: Williams, A.P., Cook, B.I. & Smerdon, J.E., Rapid Intensification of the Emerging Southwestern North American Megadrought in 2020–2021. Nature Climate Change Journal, Issue 12, February 12, 2022.

Despite the water supply cuts issued for Arizona and Nevada to date, and record precipitation occurring in late 2022 and early 2023, the Colorado River is still considered to be in peril. In May of 2023 a recent agreement between the BOR and all seven Basin states calls for cuts in river water use of 3 million acre-feet by 2026 between Arizona, California and Nevada. More cuts will likely be needed according to BOR and climate experts, as well as the development of an official long-term operating plan for the River.

The California Department of Water Resources (DWR) spring allocations of SWP Table A contract deliveries to MET are shown in **Figure 1-4**. Ten of the last 16 years (63 percent of the time) have been classified as dry or critically dry years. Three years during this same period had SWP allocations of 5 percent, which is unprecedented. Normal years only represented 13 percent (2 years) of this past 16-year period, while wet years represented 25 percent (4 years). As a comparison, from 1922-2000, wet, normal and dry years were fairly distributed, with wet and dry years occurring about 20 percent of the time and normal years occurring 60 percent. The more recent pattern of multiple dry years followed by a very wet year is indicative of climate change predictions for the western United States. Further

Figure 1-4. State Water Project Spring Allocations to MET



Data Source: <https://water.ca.gov/Programs/State-Water-Project/Management/SWP-Water-Contractors>



Orange County Water District's Bond Basin.
Picture Courtesy of Charles Busslinger

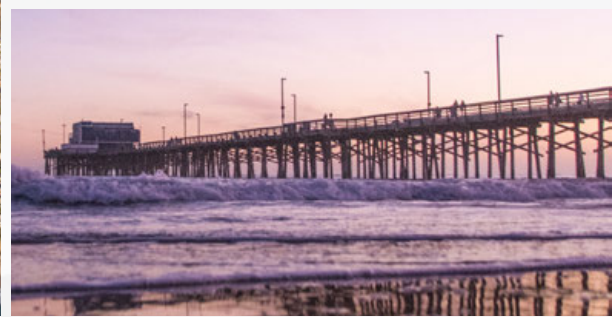


demonstrating that climate change is already occurring is the recent extreme precipitation that occurred from 12 atmospheric rivers hitting northern California from December 2022 to March 2023—which led to the very rare 100 percent SWP allocation for contract deliveries in 2023. However, it should be noted that both the timing of precipitation (whether as rain or snow) and the intensity of storm events has significant implications in terms of usable water supply. High intensity storms of short durations, more precipitation falling as rain rather than snow, coupled with earlier snowmelt is not ideal for the SWP system which would struggle to handle extreme volumes of runoff in short amounts of time.

Changed Condition 3 – Update on California and MET Imported Water Projects

In May of 2019, DWR withdrew its permit for a two-tunnel WaterFix project in favor for a smaller one-tunnel project alternative. In July 2022, the draft Environmental Impact Report (EIR) for the recommended Delta Conveyance Project alternative was issued. With an estimated cost of \$16 billion and strong opposition by environmental organizations and other interests in the Delta, the best-case scenario is that the project is operational by 2040. However, it is also possible that the project is not implemented within the planning horizon of the 2023 OC Study.

In light of worsening conditions for imported water, MET has launched its Pure Water Southern California project, which will use advanced purification technology to treat reclaimed water for indirect potable reuse and potentially direct potable reuse by 2035. Up to 168,000 acre-feet per year (AFY) is anticipated from this project.



Changed Condition 4 – Lower Regional and Local Water Demands

Water demands for MET have been decreasing steadily since 2007 (from 2.4 MAF in 2007 to 1.4 MAF in 2017), as a result of greater levels of water use efficiency, increases in local water supply by MET’s member agencies, and periodic mandatory water use restrictions during droughts. However, it appears that this downward trend may be reaching a plateau, with recent MET demands averaging around 1.5 MAF for several years now. Total Orange County water demands have decreased from 687,000 AFY in 2007 to 506,000 AFY in 2017 due to increased water use efficiency and mandatory water use restrictions during droughts. However, since 2015, water demands in Orange County have increased to about 550,000 AFY under average weather conditions.

Changed Condition 5 – MET 2020 Integrated Resources Plan Needs Assessment

On April 12, 2022 the MET Board of Directors approved the needs assessment phase for the update of MET’s regional Integrated Resources Plan (IRP). This needs assessment looked at four future scenarios made up of low and high service area demographic growth, increases in local water supplies for the region, and impacts of climate change. For this 2020 MET IRP, projections of local water supplies in the region were made by MET’s member agencies without adjustment. These unadjusted projections therefore greatly increase the forecast of local water supplies in the MET region verses what was assumed for the 2018 OC Study. The maximum water shortage under MET’s IRP high growth/significant climate change scenario was projected to be about 1 MAF by 2045 without any assumed future MET water supply projects. It should be noted that MET used different planning scenarios and climate change assumptions for its 2020 IRP than those used for this 2023 OC Study.



California Aqueduct



Summary of Changed Conditions

Table 1-1 summarizes how the changed conditions for the 2023 OC Study impacted the water supply reliability estimated vs the 2018 OC Study.


Table 1-1. Changed Conditions and Impacts to Estimated Supply Reliability


Changed Condition for 2023 OC Study	Impact
1. Improved Understanding of Climate Change	Reduced Supply Reliability
2. Declining Imported Water Availability	Reduced Supply Reliability
3. Update on California and MET Water Projects	Little Net Impact
4. Lower Regional and Orange County Water Demands	Increased Supply Reliability
5. MET 2020 IRP Needs Assessment (Higher Local Supplies)	Increased Supply Reliability





1.3 Objectives for 2023 Orange County Water Reliability Study

The key objectives for the 2023 OC Study are as follows:

- 

1 Re-estimate the probability and magnitude of potential MET and Orange County water shortages under a more robust set of planning scenarios, incorporating changed conditions.
- 

2 Demonstrate how potential water shortages in Orange County can be reduced through temporary water demand restrictions during worst-case droughts, utilization of recent investments made by Orange County water providers, maximizing the use of groundwater assets, and planned reuse and desalination projects.
- 

3 Using MWDOC's recent study on the economic impacts of water shortages, estimate the value of recently implemented and future water supply projects in Orange County.
- 

4 Provide recommendations for local and regional water supply planning based on the findings from this study.

It should be noted that the 'system reliability' analyzed in the 2018 OC Study under potential seismic events were not re-estimated for the 2023 OC Study as they are still considered to be valid—meaning no material change in water demands or emergency water supplies occurred between the two studies.

Section 2: Planning Scenarios

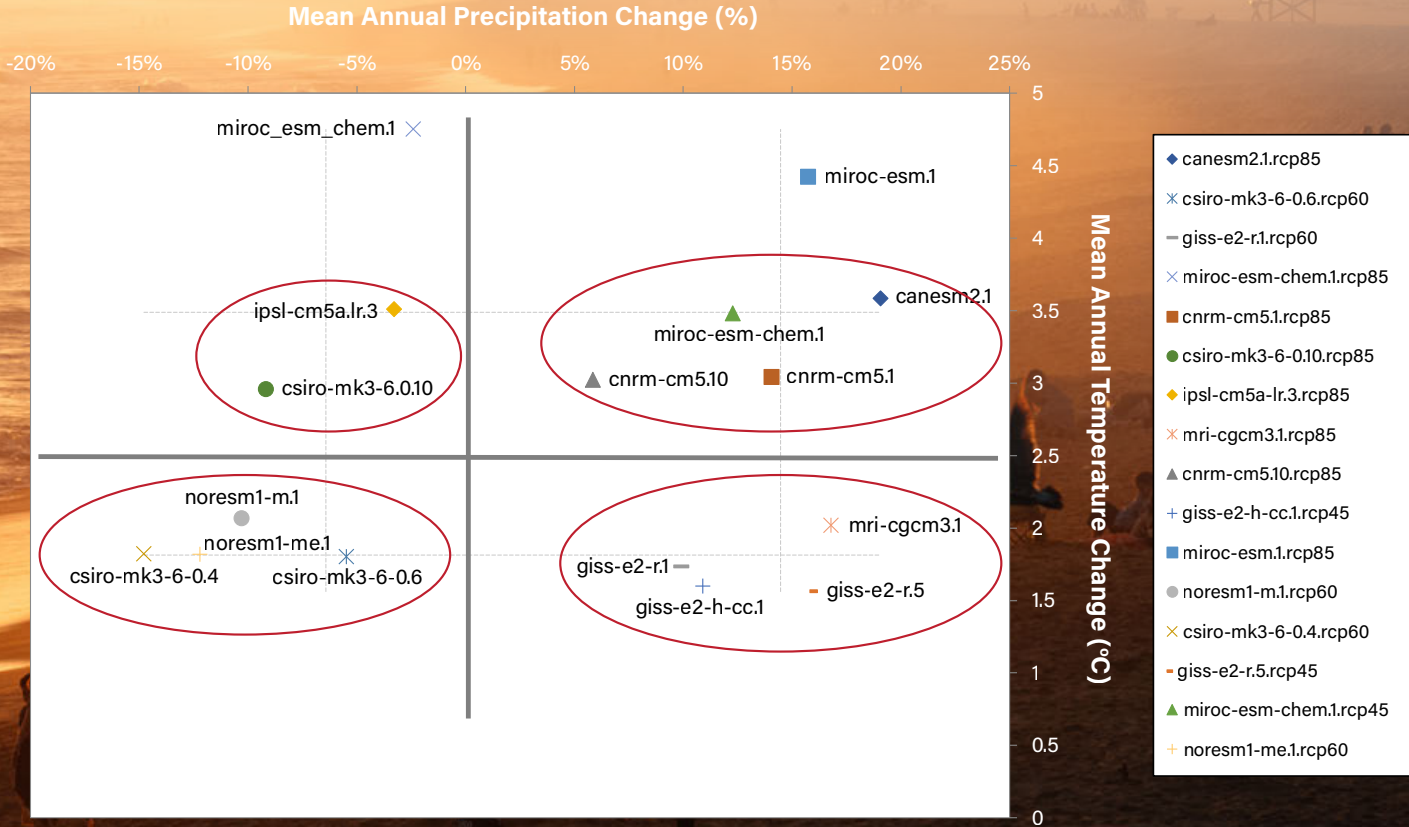
The 2023 OC Study developed plausible planning scenarios made up of combinations of the following uncertainties: ☀️ climate change, 💧 water demands and efficiency levels, 🌊 Orange County Groundwater Basin assumptions, 🚰 local water supplies in the MET service area, 🚰 success of new MET water supply programs, and 🏗️ success of the Delta Conveyance Project.

2.1 Uncertainties

🌡️ Climate Change

The 2023 OC Study utilized the Coupled Model Intercomparison Project Phase 5 (CMIP5) global climate models (GCMs), which utilize Representative Concentration Pathways (RCP's) to show a range in climate projections. CDM Smith selected a sub-set of 16 GCM/RCP combinations to represent four distinct climate futures: (1) hot/dry, (2) hot/wet, (3) warm/dry, and (4) warm/wet. **Figure 2-1** presents these GCMs plotted for the Colorado River system, showing departures between 2050 temperature and precipitation from historical conditions. The GCMs that are circled in the figure were ensembled to represent the climate futures. It should be noted that the study team decided not to use any GCM showing greater than 4 degrees C change in temperature by 2050, as most climate scientists now indicate this is very unlikely³.

Figure 2-1. Downscaled GCMs Selected to Represent Four Climate Scenarios for Colorado River



³ "Emissions – the 'business as usual' story is misleading". Hausfather & Peters, Nature Vol 577, Jan 30, 2020, page 620. And World Energy Outlook 2022 - International Energy Agency, Temperature Rise Scenarios page 127.



The same GCMs shown in Figure 2-1 for the Colorado River were also used for the Delta region and Orange County Basin. In the end, three climate change futures were selected for the 2023 OC Study, as shown in **Table 2-1**, to model impacts on water supplies and demands. The hot/wet climate future was omitted as the water supply modeling results were very similar to the warm/dry future.

Table 2-1. Selected Climate Futures for 2023 OC Study

2023 OC Study Climate Futures	Change in Temperature (°C) by 2050	Change in Precipitation (%) by 2050
Warm/Wet	1.0 – 1.8 increase	10 – 12% increase
Warm/Dry	1.2 – 1.8 increase	5 – 9% decrease
Hot/Dry	2.0 – 3.1 increase	5 – 8% decrease

The lower range in temperature increase shown in Table 2-1 for the climate futures represented Northern California, while the higher range represented the Colorado River Basin. The more optimistic changes in precipitation for the climate futures represented Northern California, while the less optimistic changes represented the Colorado River Basin.



Water Demands

MET's 2020 IRP included low and high retail water demand forecasts, based on a range of demographic projections. For the 2023 OC Study, a mid-range of the low and high retail water demand forecasts was used for both the MET region and Orange County. Uncertainties around these mid-range water demand forecasts included climate change impacts and future water use efficiency levels. Climate change impacts on retail-level water demands were estimated statistically based on historical variability of water use, historical precipitation and historical temperature. Factors such as the economy, development density, and levels of historical water conservation were also accounted for in this statistical analysis, ensuring that weather impacts were isolated. This analysis indicated that future climate could increase retail water demands in 2050 between 5 and 7 percent, above normal historical weather conditions.

Two levels of future water use efficiency were tested, baseline and increased levels. Baseline efficiency assumed continuation of current targets for indoor residential water use, plus assumed increases in outdoor water use efficiency and commercial/institutional/industrial efficiency. Assumptions for increased levels of water use efficiency included reduced indoor residential per capita water use to 42 gallons per person per day, and additional reductions to outdoor water use. Based on proposed California DWR water use targets to achieve the 2018 California legislation goals on making "Water Conservation a Way of Life", the projected water savings from the baseline water use efficiency used in the 2023 OC Study are just shy of these targets, while the water savings projections in this analysis from the increased efficiency levels will likely exceed the DWR proposed targets. The estimated additional water savings from the increased efficiency levels assumed for the 2023 OC Study are 211,000 AFY for the MET region and 40,000 AFY for Orange County.



Orange County Groundwater Replenishment System.
Courtesy of CDM Smith



Baker Water Treatment Plant.
Courtesy of IRWD



Yorba Linda Water District PFAS Treatment Plant.
Courtesy of YLWD

Orange County Groundwater Basin

The Orange County Groundwater Basin is managed by the Orange County Water District (OCWD) and operated based on an annual calculation of accumulated overdraft (AOD). OCWD sets its Basin Production Percentage (BPP⁴) for water providers operating wells in the OC Groundwater Basin (i.e., basin pumpers) to drive the AOD to a desired volume each year. Generally, a long-term target for the basin is not to allow the AOD to be greater than 500,000 acre-feet (AF). OCWD policy calls for consideration to lower the BPP once the AOD exceeds 400,000 AF. Since 1980, the annual AOD has been greater than 400,000 AF two times (5 percent of the time). In the last few years, the AOD has been between 200,000 to 250,000 AF. Due to the wet winter experienced in FY 2022-23, OCWD expects the June 30, 2023, AOD to decline to approximately 185,000 AF.

OCWD recently increased the BPP from 82 to 85 percent in FY2022-23 and has maintained it at the same level for FY2023-24. OCWD has also projected the BPP to remain at 85 percent for the next five years. Maintaining this BPP in the future is contingent on projected stormflows in the Santa Ana River, incidental recharge overlaying the basin from rainfall, and baseflows of upstream diverted wastewater in the Santa Ana River. Given the uncertainties in these inflows to the basin, the 2023 OC Study assumed long-term BPP target of 82 percent. Stormflows and incidental recharge were estimated by CDM Smith for each climate future, based on statistical analysis of historical conditions. For the 2023 OC Study, two levels of Santa Ana River baseflows were assumed: (1) the first level reduces current baseflows, estimated to be around 70,000 AFY, to approximately 52,000 AFY by 2040; and (2) the second level reduces current baseflows to 36,000 AFY, reflecting greater upstream water recycling. The recharge of the basin from the Orange County Groundwater Replenishment System is assumed to be constant at 130,000 AFY. When basin recharge capacity and MET water is available, recharge of imported water is modeled to occur. Based on all projections of inflows and basin AOD targets, it is projected that the BPP of 82 percent can be maintained 61 to 77 percent of the time in 2030, and 33 to 73 percent of the time in 2050.

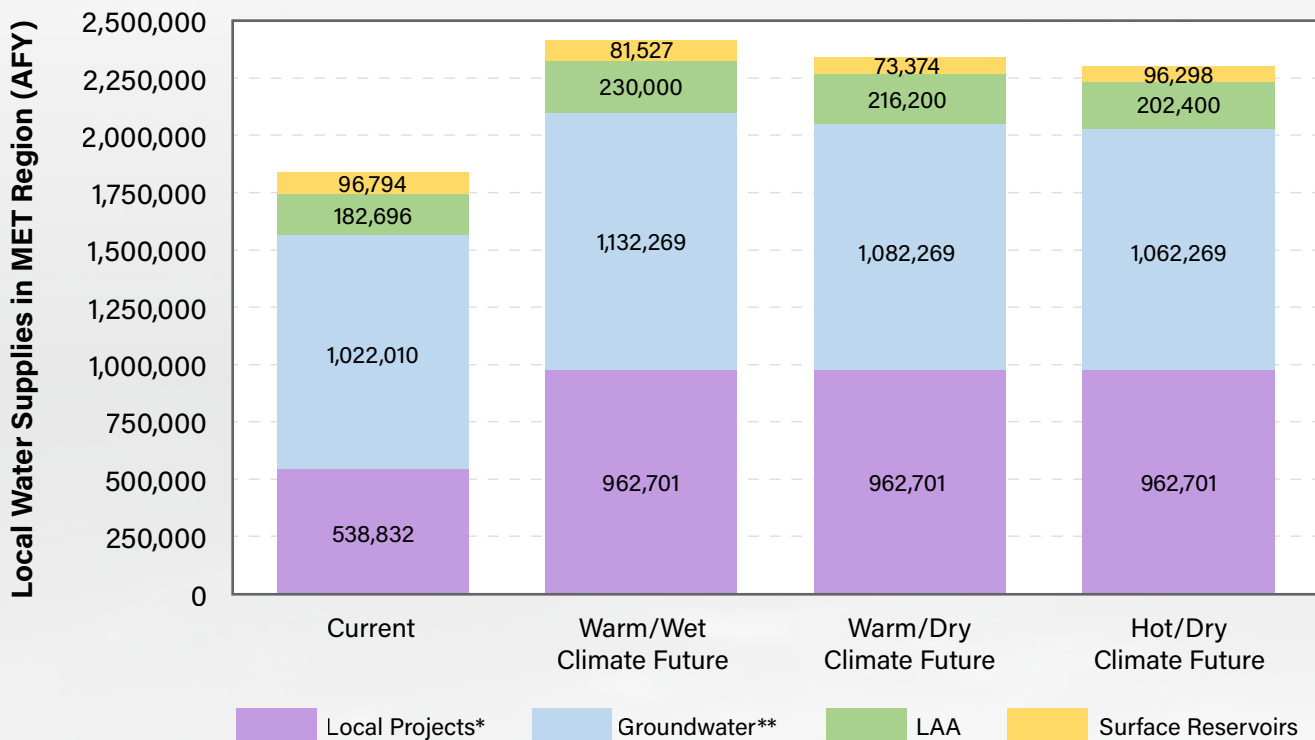
⁴ The allowable percentage of a water provider's demands that can be pumped from the basin in any one year.



Increases in Local Water Supplies for MET Region

The projections of local water supplies for the MET region were based on MET’s projections of local groundwater, Los Angeles Aqueduct supplies, surface water supplies, recycled water and groundwater recovery used for its 2020 IRP Regional Needs Assessment. The largest assumed increase under these projections is from assumed increases in local water reuse of about 420,000 AFY. Based on CDM Smith’s climate modeling of groundwater, surface water, and Los Angeles Aqueducts, MET’s projections of these sources were altered to reflect the climate scenarios used for the 2023 OC Study. Regarding MET’s projections of new seawater desalination, the supply yield anticipated from the Huntington Beach project was removed as it was not approved by the California Coastal Commission; and the yield for the Doheny project for South Coast Water District was removed as the purpose of the 2023 OC Study is meant to first estimate reliability without new Orange County water supply projects. **Figure 2-2** presents the range of local water supplies in the MET region used for the 2023 OC Study.

Figure 2-2. Local Water Supplies in MET Region used for 2023 OC Study



* Recycled water, groundwater recovery and Carlsbad seawater desalination, based on MET IRP Scenarios.
 ** Net of replenishment by MET.



Success of MET Water Supply Programs

For the 2023 OC Study it was assumed that MET would implement its Pure Water Southern California program for all of the scenarios, but with two different supply yields (102,000 AFY for solely groundwater replenishment, and 168,000 AFY for groundwater replenishment and direct potable reuse). In addition, a new water transfer program for the CRA of 100,000 AFY was assumed for all scenarios, based on conversations with MET staff. For scenarios that included the Delta Conveyance Project, it was also assumed that MET would invest in new surface water storage of 250,000 AF based on conversations with MET staff. This new storage to maximize the benefits of the DCP could represent a new reservoir (likely in MET’s SWP-exclusive area of Ventura County) or MET’s participation in the proposed Sites Reservoir Project north of the Delta.



Success of Delta Conveyance Project

For the 2023 OC Study, some scenarios had the Delta Conveyance Project being implemented by 2040, while other scenarios did not have the project implemented within the planning horizon of this study. This allowed the value of this project to MET and Orange County to be determined.

2.2 Planning Scenarios

Based on the uncertainties discussed in Section 2.1, five scenarios were developed for the 2023 OC Study. These scenarios were assembled to be internally consistent—meaning that for stressed conditions, it was assumed that MET and its member agencies would respond by taking additional actions. Therefore, it is the belief of the OC Study team that all of these scenarios are plausible, but none of them represent a “Black Swan” event. Black Swan events represent rare, worst-case conditions across the board—meaning highest levels of projected water demands coupled with extreme climate change impacts, and no or few new projects being implemented.

The planning scenarios for the 2023 OC Study are summarized as:

SCENARIO 1. Low Stress without Delta Conveyance



Warm/wet climate future, lower-level retail water demands, increased local water supplies in the MET region, moderate amounts of new MET water supplies, but without implementation of California’s Delta Conveyance Project.

SCENARIO 2. Moderate Stress without Delta Conveyance



Warm/dry climate future, medium-level retail water demands, increased local water supplies in the MET region, moderate amounts of new MET water supplies, but without implementation of California’s Delta Conveyance Project.

SCENARIO 3. Moderate Stress with Delta Conveyance



Warm/dry climate future, medium-level retail water demands, increased local water supplies in the MET region, moderate amounts of new MET water supplies, and implementation of California’s Delta Conveyance Project.

SCENARIO 4. Significant Stress without Delta Conveyance



Hot/dry climate future, higher-level retail water demands (but offset with increased water use efficiency), increased local water supplies in the MET region, higher amounts of new MET water supplies, but without implementation of California’s Delta Conveyance Project.

SCENARIO 5. Significant Stress with Delta Conveyance



Hot/dry climate future, higher-level retail water demands (but offset with increased water use efficiency), increased local water supplies in the MET region, higher amounts of new MET water supplies, and implementation of California’s Delta Conveyance Project.

The five scenarios are presented in more detail in Table 2-2 on the following page.

Table 2-2. Planning Scenarios for the 2023 OC Study

Scenario Name	Uncertainties						
	Climate Change Future	Water Demands	Water Use Efficiency Levels	OC Basin Groundwater Assumptions	Increased Local Water Supplies in MET Region	Assumed New MET Water Supply Programs/ Projects	Delta Conveyance Project
1. Low Stress without Delta Conveyance	Warm/Wet	Lower Levels	Baseline	<ul style="list-style-type: none"> BPP of 82% achieved 77% of time in 2030 Med SAR baseflows 	<ul style="list-style-type: none"> 110 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 102 TAF Pure Water SoCal (2030) 100 TAF CRA Transfers (2030) 	Not Implemented
2. Moderate Stress without Delta Conveyance	Warm/Dry	Medium Levels	Baseline	<ul style="list-style-type: none"> BPP of 82% achieved 74% of time in 2030 Med SAR baseflows 	<ul style="list-style-type: none"> 60 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 102 TAF Pure Water SoCal (2030) 100 TAF CRA Transfers (2030) 	Not Implemented
3. Moderate Stress with Delta Conveyance	Warm/Dry	Medium Levels	Baseline	<ul style="list-style-type: none"> BPP of 82% achieved 74% of time in 2030 Med SAR baseflows 	<ul style="list-style-type: none"> 60 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 102 TAF Pure Water SoCal (2030) 100 TAF CRA Transfers (2030) 250 TAF Storage (2035) 	Implemented (2040)
4. Significant Stress without Delta Conveyance	Hot/Dry	Higher Levels	Increased: <ul style="list-style-type: none"> 211 TAF MET 40 TAF OC 	<ul style="list-style-type: none"> BPP of 82% achieved 61% of time in 2030 Low SAR baseflows 	<ul style="list-style-type: none"> 40 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 168 TAF Pure Water SoCal (2035) 100 TAF CRA Transfers (2030) 	Not Implemented
5. Significant Stress with Delta Conveyance	Hot/Dry	Higher Levels	Increased: <ul style="list-style-type: none"> 211 TAF MET 40 TAF OC 	<ul style="list-style-type: none"> BPP of 82% achieved 61% of time in 2030 Low SAR baseflows 	<ul style="list-style-type: none"> 40 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 168 TAF Pure Water SoCal (2035) 100 TAF CRA Transfers (2030) 250 TAF Storage (2035) 	Implemented (2040)

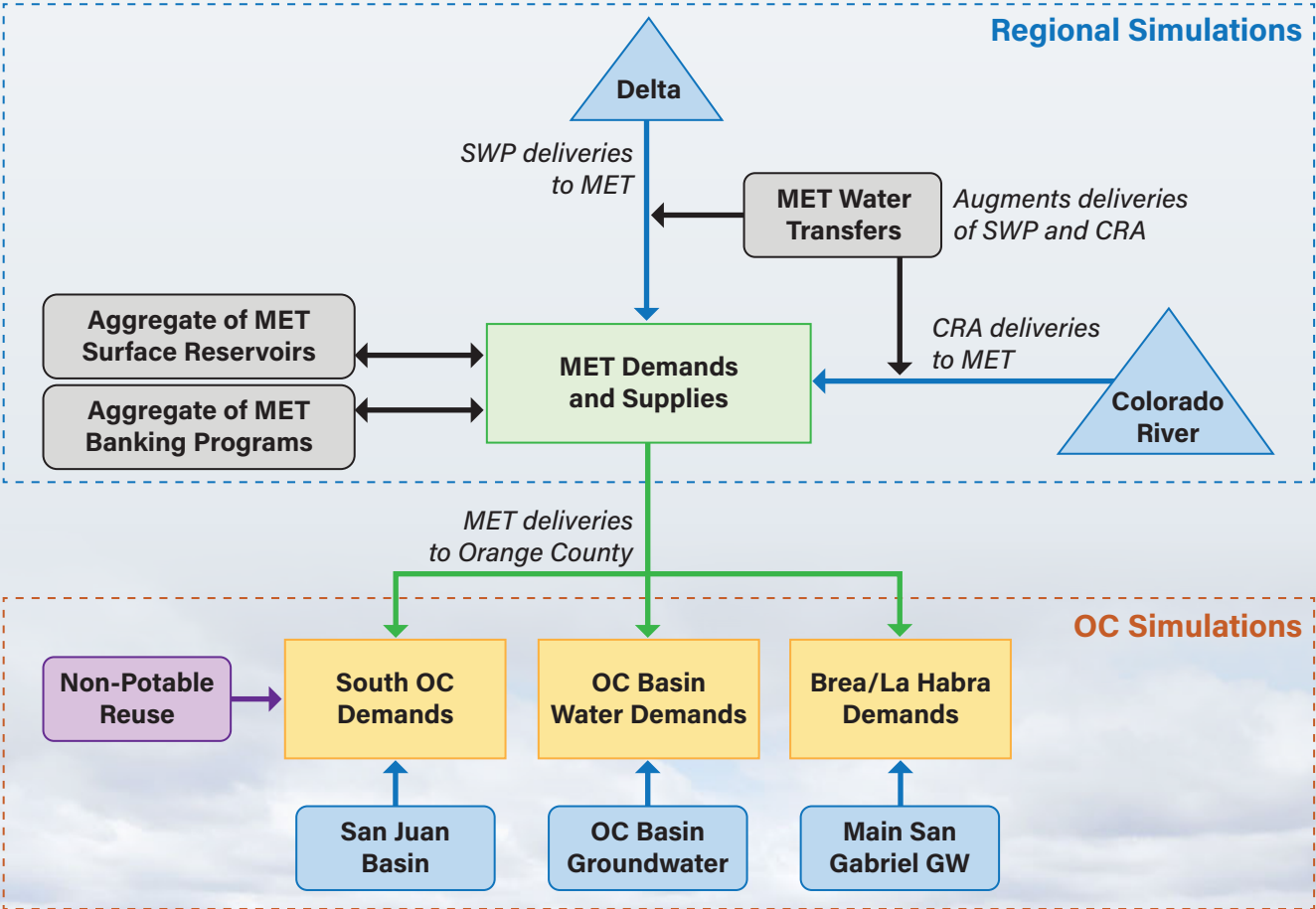
Notes: MET = Metropolitan Water District of Southern California, TAF = Thousand Acre-Feet, BPP = OCWD Basin Pumping Percentage, SAR = Santa Ana River, GW = Groundwater, CRA = Colorado River Aqueduct, Numbers in () indicate online operations

Section 3: Water Supply Modeling

3.1 Orange County Water Supply Systems Model

To estimate water supply reliability at the MET regional and Orange County levels under a wide range of planning scenarios, CDM Smith developed the OC Water Supply Simulation Tool (OCSIM) using the systems model WEAP (Water Evaluation And Planning). WEAP is maintained by the Stockholm Environment Institute⁵ and used by water agencies around the world. **Figure 3-1** presents the modeling schematic for OCSIM used for the 2023 OC Study.

Figure 3-1. CDM Smith's OCSIM Model Schematic



⁵ <http://weap21.org>





First, OCSIM performs regional simulations of MET’s water demands (representing MET retail demands minus local supplies in the region), MET’s imported water sources (SWP and CRA), MET’s water transfers, and MET’s storage and banking programs. Using indexed-sequential simulation, historical traces of hydrologic patterns of imported water supply from 1965-2022 are mapped onto projected water demands through the year 2050. The 2023 OC Study used a truncated historical hydrology pattern to account for observed climate change that has already occurred, as discussed in **Section 1.2** of this report. Mass-balance equations are then used to simulate storage and banking operations under surplus and dry year conditions. Reduced inflows into the SWP and Colorado River systems for different climate change futures are based on hydrologic watershed evaluations conducted by Dr. David Yates under contract to CDM Smith⁶. These hydrologic models account for changes in temperature, precipitation, snowpack, and monthly patterns that alter naturalized flows of major river systems in Northern California and Colorado River Basin. The results of these climate change impacts are then used to adjust the historical hydrologic periods for SWP and CRA deliveries to MET using the BOR hybrid-delta method. The OCSIM mimics many of the simulations found in MET’s water supply planning tool IRPSIM. The OCSIM also utilizes direct outputs from DWR’s CALSIM and BOR’s CRSS modeling for calibration. The output from this regional simulation is the probability and size of potential MET water shortages.

Second, OCSIM performs water demand and supply simulations for three study areas of Orange County (Orange County Basin, South Orange County, Brea/La Habra). When regional water shortages occur, MET’s water shortage allocation formulas from MET’s Water Supply Allocation Plan (WSAP) are used to determine cutbacks in deliveries to Orange County. Local water supplies, which impact MET’s water shortage allocations, are also simulated (see **Section 3.3** for discussion on Orange County groundwater simulations). The output from this second round of simulations is the estimated probability and size of water shortages for Orange County through the year 2050. Initially, no mandatory water demand restrictions are assumed for these potential water shortages.

⁶ Dr. Yates utilized a Southwestern WEAP model to estimate inflow changes to the SWP and Colorado River systems based on 16 GCMs that represent bookends of potential climate futures.



3.2 Water Demand Forecast

MET Regional Demand Forecast

To estimate MET's future water demands for the 2023 OC Study, data from the MET 2020 IRP were utilized. While MET used a low and a high projection of retail water demands for its scenarios, the 2023 OC Study used an average of these two MET projections for all of its scenarios. Using CDM Smith's previous statistical analyses of water demand and weather variables, projected average-year retail water demands were adjusted to account for future climate change. Projections of recycled water and groundwater recovery in the MET region were based on MET's 2020 IRP. As noted in **Section 2.1** of this report, the 2023 OC Study did not use MET's projected increases in seawater desalination. MET's projection of local groundwater, surface water supplies, and Los Angeles Aqueduct supplies were also adjusted for future climate change based on CDM Smith's statistical models of water supply and weather variables.

Average-year MET water demands under warm/wet future climate are summarized in **Table 3-1**, while **Table 3-2** and **Table 3-3** summarize MET demands under warm/dry and hot/dry climate, respectively. Note that for 2023 OC Study Scenarios 4 and 5, MET demands under hot/dry climate were reduced to account for additional water use efficiency, which is also shown in **Table 3-3**. For supply reliability simulation, average-year water demands are adjusted in the OCSIM for year-to-year variability matched to hydrologic conditions from 1965-2022. In a dry hydrologic year, MET water demands can be as much as 15 percent greater than an average-year demand; while in a wet hydrologic year, MET demands can be as much as 15 percent lower than an average-year demand. This high variability is due to MET being a supplemental supply for some MET member agencies, as well as the extreme hydrologic variability throughout Southern California, and accounts for variability in both retail water demands and local water supplies.

Table 3-1. Average-Year MET Water Demands Forecasts under Warm/Wet Climate Future (AFY)

MET Region Water Demands (AFY)	2020*	2025	2030	2035	2040	2045	2050
Retail M&I Demands	2,974,558	3,075,000	3,173,000	3,276,250	3,379,500	3,482,750	3,586,000
Retail Agricultural Demands	143,905	144,377	134,418	130,494	122,986	123,301	123,300
Regional Seawater Barrier Needs	62,780	68,517	70,253	71,990	72,000	72,000	72,000
Regional Replenishment Needs	197,620	331,534	363,327	383,043	395,555	400,863	400,863
Total Regional Demand	3,378,863	3,619,429	3,740,998	3,861,778	3,970,041	4,078,914	4,182,163
MET Region Local Water Supplies (AFY)	2020*	2025	2030	2035	2040	2045	2050
Groundwater Production	1,101,757	1,235,671	1,267,465	1,287,180	1,299,692	1,305,000	1,305,000
Surface Production	96,794	81,527	81,527	81,527	81,527	81,527	81,527
Los Angeles Aqueduct	182,696	190,000	190,000	215,000	230,000	230,000	230,000
Seawater Desalination	50,500	50,500	50,500	50,500	50,500	50,500	50,500
Groundwater Recovery	114,707	152,788	185,680	205,770	215,233	222,295	222,295
Recycled Water	373,625	489,093	570,666	622,433	678,447	689,906	689,906
Total Local Supplies	1,920,079	2,199,579	2,345,837	2,462,410	2,555,399	2,579,228	2,579,228
Water Demands on MET (AFY)	2020*	2025	2030	2035	2040	2045	2050
Consumptive Use	1,379,037	1,270,851	1,243,254	1,235,245	1,246,927	1,326,956	1,430,204
Seawater Barrier	21,444	10,489	5,915	5,590	5,334	5,077	5,077
Replenishment	58,303	138,509	145,992	158,532	162,381	167,654	167,654
Total Demands on MET	1,458,784	1,419,849	1,395,161	1,399,367	1,414,642	1,499,687	1,602,935

*Actual values

Table 3-2. Average-Year MET Water Demands Forecasts under Warm/Dry Climate Future (AFY)

MET Region Water Demands (AFY)	2020*	2025	2030	2035	2040	2045	2050
Retail M&I Demands	2,974,558	3,075,000	3,204,730	3,341,775	3,480,885	3,622,060	3,765,300
Retail Agricultural Demands	143,905	144,377	134,418	130,494	122,986	123,301	123,300
Regional Seawater Barrier Needs	62,780	68,517	70,253	71,990	72,000	72,000	72,000
Regional Replenishment Needs	197,620	205,954	218,333	226,667	236,000	244,333	247,620
Total Regional Demand	3,378,863	3,493,848	3,627,734	3,770,926	3,911,871	4,061,695	4,208,220
MET Region Local Water Supplies (AFY)	2020*	2025	2030	2035	2040	2045	2050
Groundwater Production	1,101,757	1,101,757	1,101,757	1,101,757	1,101,757	1,101,757	1,101,757
Surface Production	96,794	81,527	79,896	78,266	76,635	75,005	73,374
Los Angeles Aqueduct	182,696	182,000	188,840	195,680	202,520	209,360	216,200
Seawater Desalination	50,500	50,500	50,500	50,500	50,500	50,500	50,500
Groundwater Recovery	114,707	152,788	185,680	205,770	215,233	222,295	222,295
Recycled Water	373,625	489,093	570,666	622,433	678,447	689,906	689,906
Total Local Supplies	1,920,079	2,057,665	2,177,340	2,254,406	2,325,093	2,348,823	2,354,033
Water Demands on MET (AFY)	2020*	2025	2030	2035	2040	2045	2050
Consumptive Use	1,379,037	1,412,765	1,443,481	1,508,774	1,578,619	1,696,670	1,834,699
Seawater Barrier	21,444	10,489	5,915	5,590	5,334	5,077	5,077
Replenishment	58,303	12,929	998	2,156	2,826	11,124	14,411
Total Demands on MET	1,458,784	1,436,183	1,450,395	1,516,520	1,586,779	1,712,872	1,854,188

*Actual values

Table 3-3. Average-Year MET Water Demands Forecasts under Hot/Dry Climate Future (AFY)

MET Region Water Demands (AFY)	2020*	2025	2030	2035	2040	2045	2050
Retail M&I Demands	2,974,558	3,075,000	3,217,422	3,367,985	3,521,439	3,677,784	3,837,020
Retail Agricultural Demands	143,905	144,377	134,418	130,494	122,986	123,301	123,300
Regional Seawater Barrier Needs	62,780	68,517	70,253	71,990	72,000	72,000	72,000
Regional Replenishment Needs	197,620	212,620	227,620	242,620	257,620	272,620	287,620
Total Regional Demand	3,378,863	3,500,515	3,649,713	3,813,090	3,974,046	4,145,706	4,319,940
MET Region Local Water Supplies (AFY)	2020*	2025	2030	2035	2040	2045	2050
Groundwater Production	1,101,757	1,101,757	1,101,757	1,101,757	1,101,757	1,101,757	1,101,757
Surface Production	96,794	81,527	79,081	76,635	74,189	71,744	69,298
Los Angeles Aqueduct	182,696	182,000	186,080	190,160	194,240	198,320	202,400
Seawater Desalination	50,500	50,500	50,500	50,500	50,500	50,500	50,500
Groundwater Recovery	114,707	152,788	185,680	200,066	200,066	200,066	200,066
Recycled Water	373,625	489,093	570,666	622,433	678,447	689,906	689,906
Total Local Supplies	1,920,079	2,057,665	2,173,764	2,241,551	2,299,199	2,312,293	2,313,927
Water Demands on MET (AFY)	2020*	2025	2030	2035	2040	2045	2050
Consumptive Use	1,379,037	1,412,765	1,459,749	1,547,839	1,645,066	1,788,925	1,946,525
Seawater Barrier	21,444	10,489	5,915	5,590	5,334	5,077	5,077
Replenishment	58,303	19,595	10,285	18,109	24,446	39,411	54,411
Total Demands on MET	1,458,784	1,442,849	1,475,949	1,571,539	1,674,846	1,833,413	2,006,014
With Additional Water Use Efficiency	-	(28,857)	(90,320)	(117,776)	(147,148)	(178,489)	(211,851)
Net Demands on MET	1,458,784	1,413,992	1,385,629	1,453,763	1,527,698	1,654,924	1,794,163

*Actual values

Orange County Water Demand Forecast

For MWDOC's 2020 Urban Water Management Plan, CDM Smith prepared water demand forecasts for each of the 2023 OC Study areas. **Table 3-4** presents the average year Orange County demand forecast for the three climate change futures. Note that for 2023 OC Study Scenarios 4 and 5, total Orange County demands under hot/dry climate were reduced to account for additional water use efficiency, which is also shown in **Table 3-4**. For supply reliability simulation, average year water demands are adjusted in the OCSIM for year-to-year variability matched to hydrologic conditions from 1965-2022.

Table 3-4. Average-Year Orange County Demand Forecasts for Analyzed Climate Futures (AFY)

Water Demands with Warm/Wet Climate Future (AFY)	2022	2030	2040	2050
South Orange County	124,754	128,774	132,551	135,000
Orange County Basin	389,722	407,882	421,563	423,565
Brea/La Habra	18,508	18,953	19,504	19,531
Total Orange County	535,006	557,639	575,658	580,146
Water Demands with Warm/Dry Climate Future (AFY)	2022	2030	2040	2050
South Orange County	124,754	130,614	136,812	139,048
Orange County Basin	389,722	412,543	432,403	440,507
Brea/La Habra	18,508	19,224	20,131	20,508
Total Orange County	535,006	564,411	591,386	602,113
Water Demands with Hot/Dry Climate Future (AFY)	2022	2030	2040	2050
South Orange County	124,754	131,350	138,516	141,697
Orange County Basin	389,722	414,874	437,823	448,979
Brea/La Habra	18,508	19,332	20,382	20,898
Total Orange County	535,006	567,586	598,761	613,623
With Additional Water Use Efficiency	-	(22,703)	(35,926)	(39,886)
Net Total Orange County Demands	535,006	544,882	562,835	573,738

>>TOC

Rattlesnake Reservoir.
Courtesy of IRWD

3.3 Orange County Groundwater Assumptions

Orange County Basin

For the Orange County Basin, CDM Smith developed a simple mass-balance model to estimate basin AOD, which is illustrated in **Figure 3-2**.

Figure 3-2. CDM Smith's Mass-Balance Model Schematic of the Orange County Basin

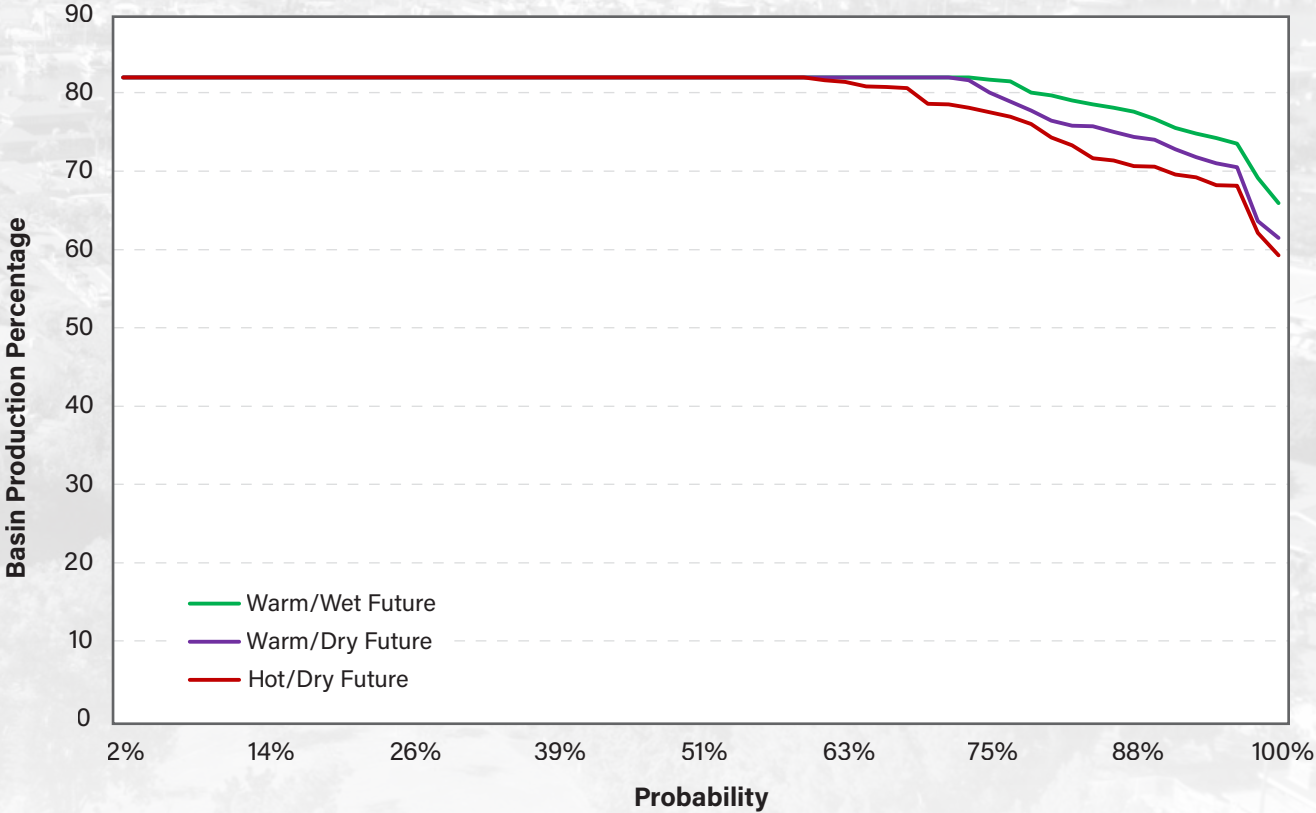
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2023 ORANGE COUNTY WATER RELIABILITY STUDY

For each hydrologic year from 1965-2022, the mass-balance estimates of Santa Ana River (SAR) stormflows and incidental recharge into the basin are based on statistical regression formulas. Future precipitation for the warm/wet, warm/dry and hot/dry climate futures were estimated by CDM Smith and input into the statistical regression to alter stormflows and incidental recharge. SAR baseflows are assumed to ramp down from the current average of 70,000 AFY to 53,000 AFY in 2040 for Scenarios 1-3, and ramp down to 36,000 AFY for Scenarios 4-5. The lower baseflows assume more upstream water recycling in San Bernardino and Riverside Counties. A constant flow into the basin from the Groundwater Replenishment System of 130,000 AFY is also assumed. When spreading capacity in the basin and MET water supply is available, replenishment of imported water is assumed up to approximately 50,000 AFY. Water pumping from the basin to meet water demands is initially set at a BPP of 82 percent⁷. The AOD is tracked annually, and if it is greater than 450,000 AF for multiple years in a row, the BPP is reduced, and more imported water is required to meet water demands. If imported water is not fully available to meet the demands, water shortages to basin pumpers occurs. The simulated BPP under different climate change futures is shown in **Figure 3-3** for the year 2030.

Figure 3-3. Simulated Orange County Basin BPP Under Different Climate Change Futures in Year 2030



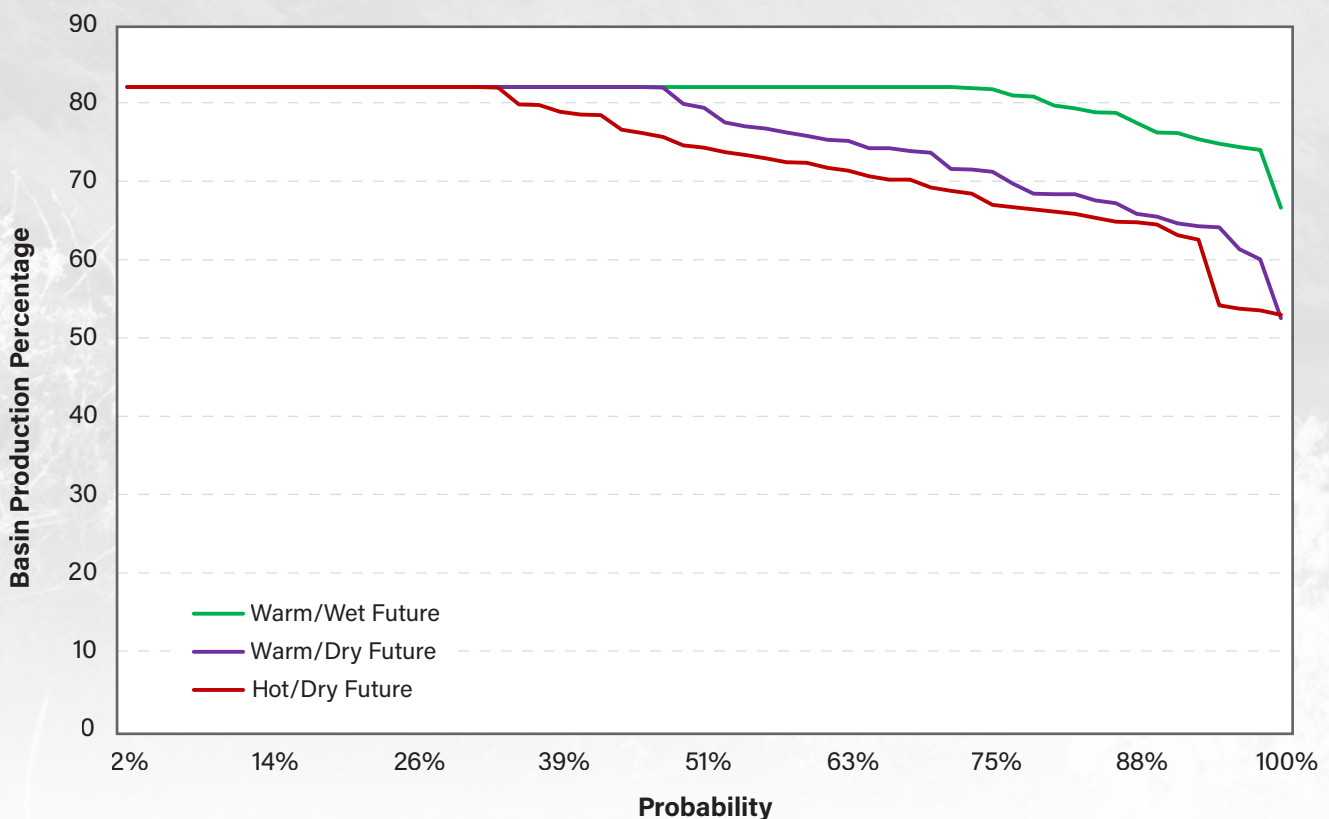
⁷ While the current weighted average BPP for FY 2022-23 is 85 percent (meaning water providers in the basin can pump groundwater equal to 85 percent of their water demands), the 2023 OC Study used a long-term BPP target of 82 percent to reflect uncertainty regarding climate change.



Based on the simulated hydrology of 1965-2022 and under the warm/wet future, the BPP target of 82 percent is achieved 77 percent of the time and never falls below 67 percent in the year 2030. Under the warm/dry future, the BPP target of 82 percent is achieved 74 percent of the time and never falls below 62 percent. Under the hot/dry future, the BPP target of 82 percent is achieved 61 percent of the time and never falls below 59 percent. The simulated BPP under different climate change futures is shown in **Figure 3-4** for the year 2050.

Based on the simulated hydrology of 1965-2022 and under the warm/wet future, the BPP target of 82 percent is achieved 75 percent of the time and never falls below 65 percent in the year 2050. Under the warm/dry future, the BPP target of 82 percent is achieved 48 percent of the time and never falls below 53 percent. Under the hot/dry future, the BPP target of 82 percent is achieved 33 percent of the time and never falls below 53 percent.

Figure 3-4. Simulated Orange County Basin BPP Under Different Climate Change Futures in Year 2050





San Juan Basin

Within the South Orange County area, groundwater is pumped from the San Juan Basin⁸. A similar mass-balance of this basin was developed based on CDM Smith’s statistical regression analysis of historical pumping, precipitation, creek evaporation, and outflows to the ocean. When storage in this basin falls below 36,000 AF only minimal groundwater pumping is allowed per the San Juan Basin Authority (SJBA) Adaptive Pumping Management (APM) Plan. **Table 3-5** presents the probability that full groundwater pumping can occur based on simulated San Juan Basin storage conditions for the three climate change futures.

Table 3-5. Probability of Full Groundwater Pumping in San Juan Basin

Climate Future	Probability of Full Groundwater Pumping in 2030	Probability of Full Groundwater Pumping in 2050
Warm/Wet	82%	70%
Warm/Dry	80%	55%
Hot/Dry	79%	41%

3.4 Imported Water Modeling

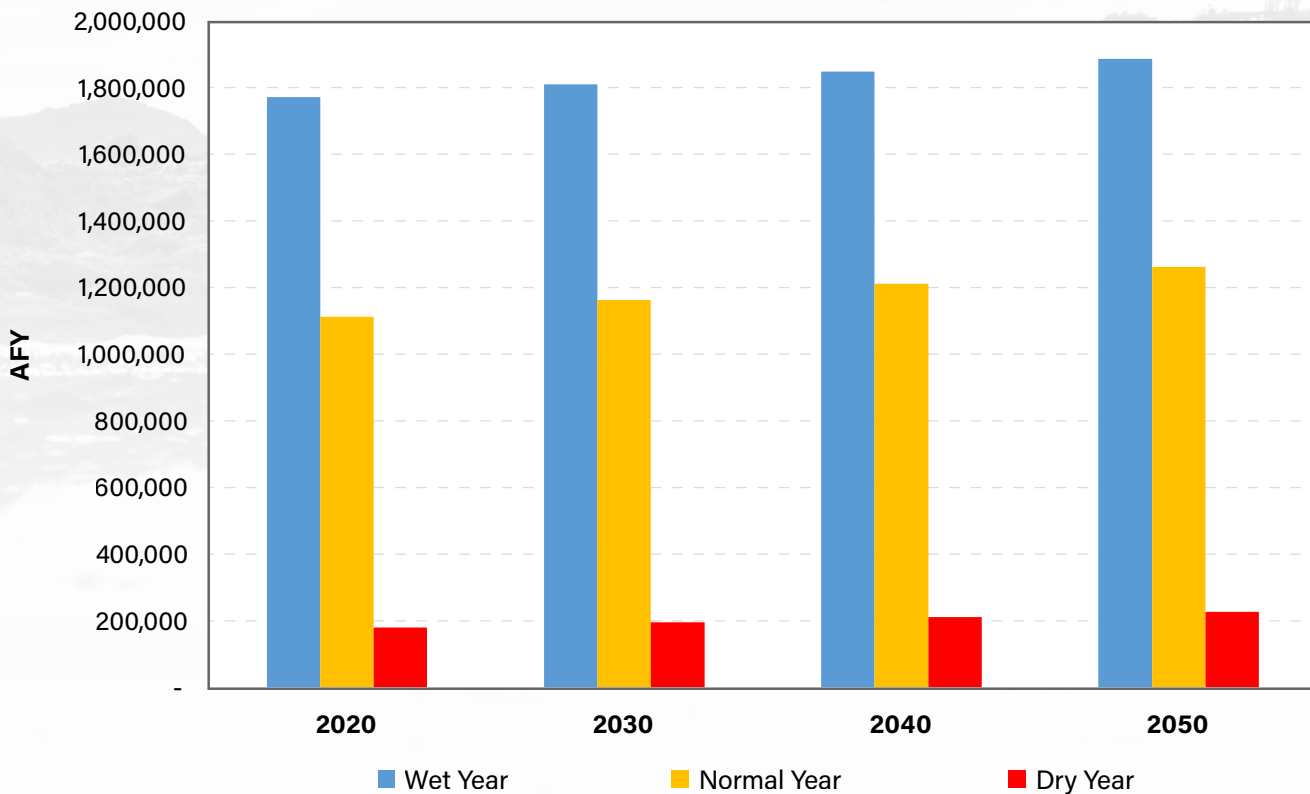
For the 2023 OC Study, extensive modeling of MET’s imported water availability was conducted for baseline conditions using CALSIM output results from DWR’s 2019 Delivery Capability Report for the SWP, and CDM Smith’s own runs of the BOR’s CRRS model. For both the SWP and Colorado River systems, the historical hydrology period of 1965-2021 was used. CDM Smith chose to use a more truncated historical hydrology, but with the most recent drought period extended, as the BOR and climate change scientists believe using periods before 1965 are no longer representative of current or future conditions due to climate change that has already taken place. Baseline conditions for imported water were then altered for future climate change conditions. For greater details on CDM Smith’s imported water modeling, refer to the [2018 OC Study](#).

⁸ San Juan Basin is categorized as a subterranean flowing stream, with water extraction regulated by State Water Resources Control Board (SWRCB).

State Water Project Deliveries

Several types of SWP water are made available to SWP contractors under the long-term supply contracts between the SWP contractors and DWR. Among these supplies are Table A water and Article 21 water. Table A water is an allocated annual supply made available throughout the year, while Article 21 water is an interruptible water supply made available only when certain conditions exist (usually during normal years). MET’s Table A contract is 1.91 MAF. CDM Smith estimated the changes from current conditions (as represented by the year 2020) for the SWP system based on future climate change (as discussed in **Section 2.1**) and simulated benefits of the DCP. **Figure 3-5** shows changes from current conditions for the warm/wet climate future for three representative hydrologic year types (wet, normal and dry), with wet years being the average of the highest 10th percentile, normal years being the 50th percentile, and dry years being the average of the lowest 10th percentile. Mid-century impacts for the GCMs that were ensembled for this climate future were used to estimate the year 2050 future conditions. It was assumed that climate change impacts between 2020 and 2050 would occur linearly.

Figure 3-5. State Water Project Deliveries to MET for Warm/Wet Climate Future

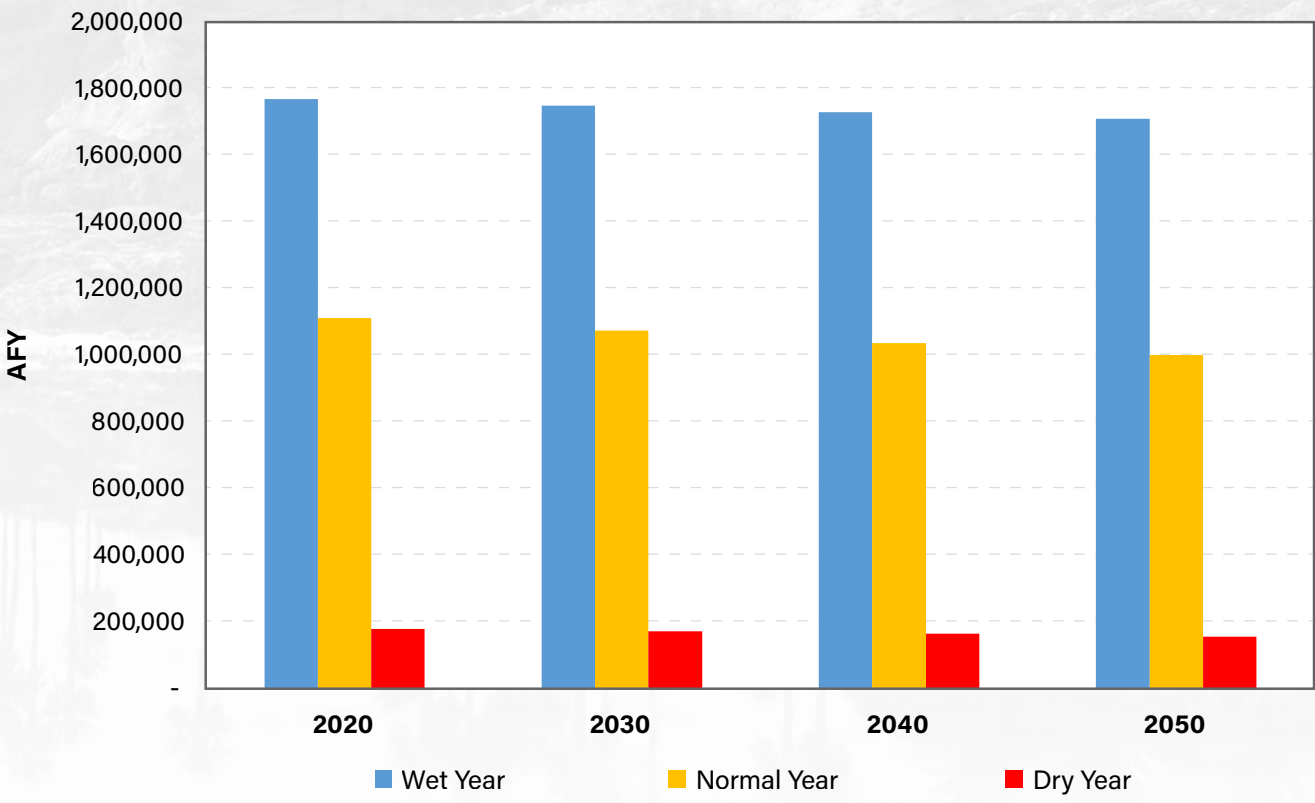




Under the warm/wet climate future, there is a forecasted increase in SWP deliveries to MET, with normal year deliveries increasing from 1.11 MAF in 2020 to 1.26 MAF in 2050 (14 percent increase).

Figure 3-6 shows changes from current conditions for the warm/dry climate future for three representative hydrologic year types (wet, normal and dry).

Figure 3-6. State Water Project Forecast Deliveries to MET for Warm/Dry Climate Future

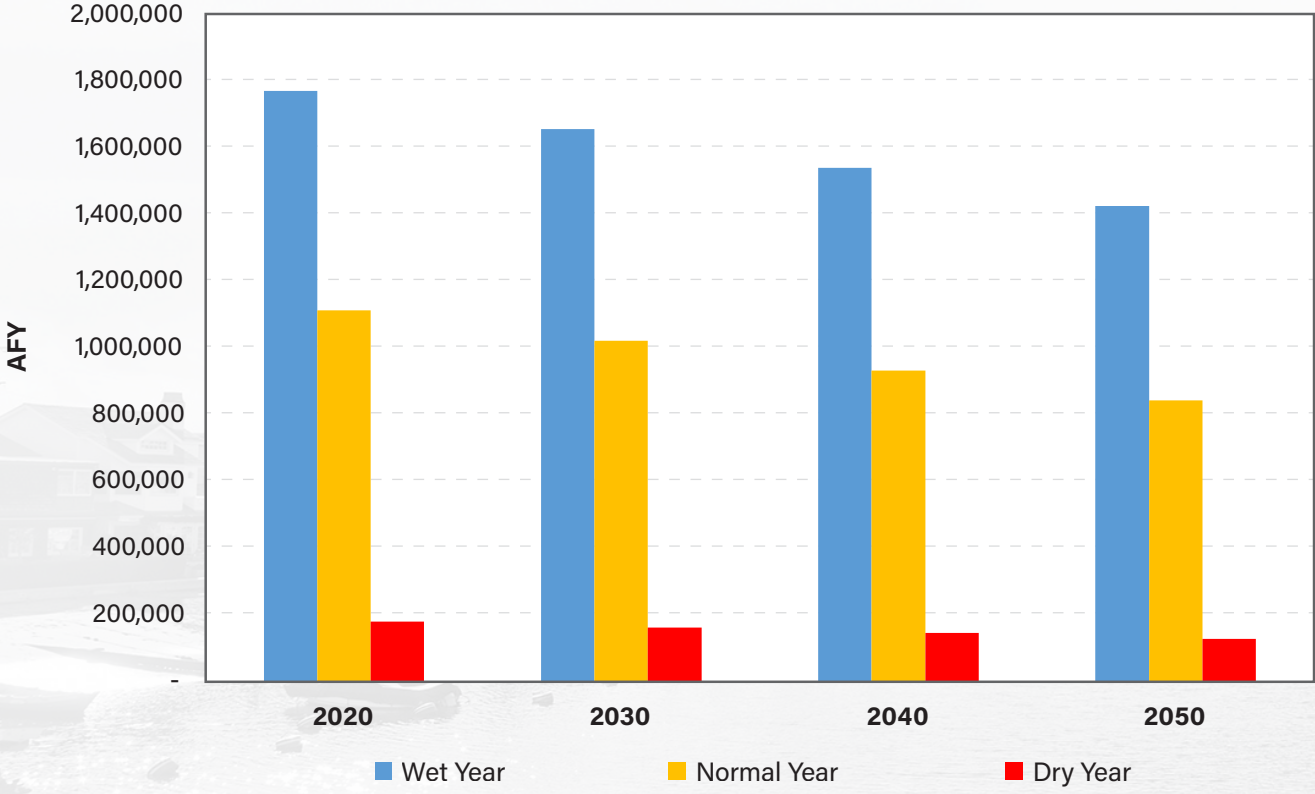




Under the warm/dry climate future, there is a forecasted decrease in SWP deliveries to MET, with normal year deliveries decreasing from 1.11 MAF in 2020 to 1.00 MAF in 2050 (10 percent decrease).

Figure 3-7 shows changes from current conditions for the hot/dry climate future for three representative hydrologic year types (wet, normal and dry).

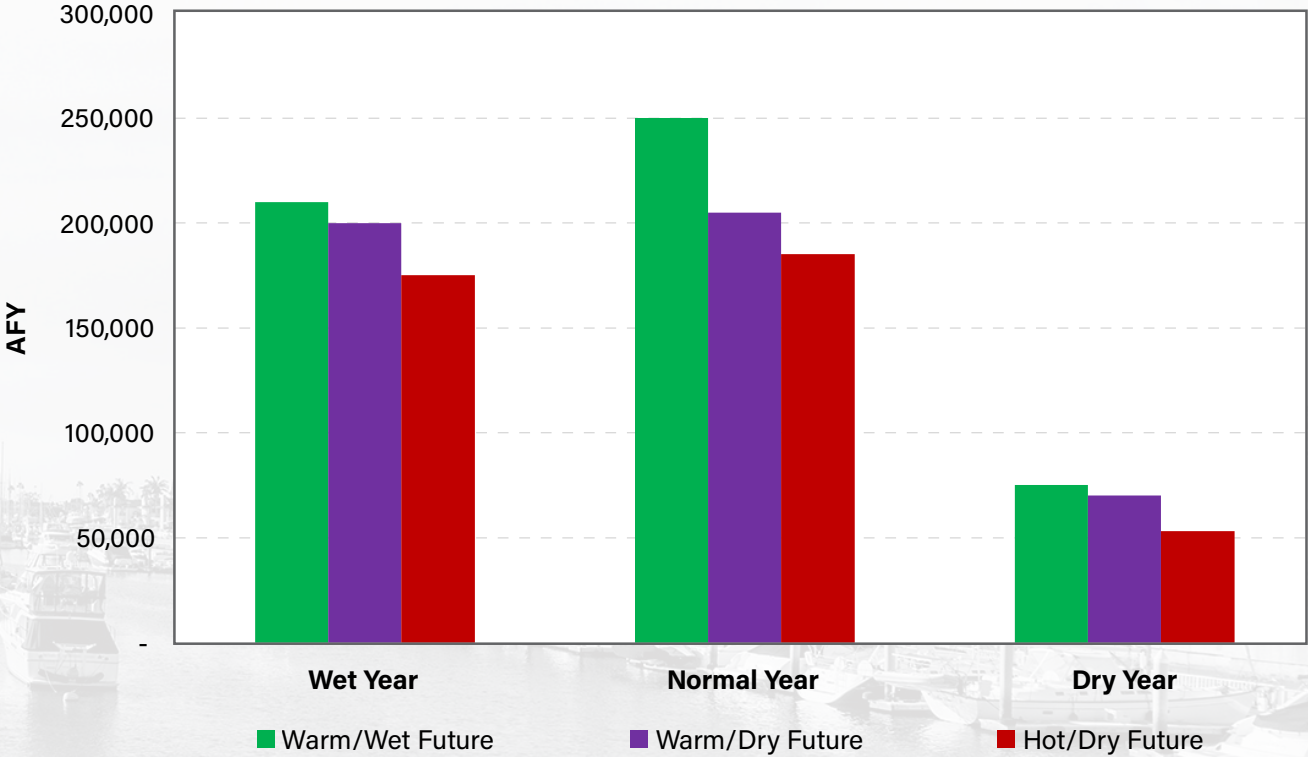
Figure 3-7. State Water Project Forecast Deliveries to MET for Hot/Dry Climate Future



Under the hot/dry climate future, there is a more significant forecasted decrease in SWP deliveries to MET, with normal year deliveries decreasing from 1.11 MAF in 2020 to 0.84 MAF in 2050 (24 percent decrease).

To estimate the additional benefits to SWP deliveries from the DCP for those scenarios that assume its implementation, the DWR’s 2022 Draft EIR was utilized. The proposed project for that EIR is Alternative 5 -Bethany Reservoir Alignment with a conveyance capacity of 6,000 cubic feet per second. Incremental supply yields for SWP exports for Alternative 5 were aligned to several year types (e.g., wet, above-normal, below-normal, dry, critically dry). These year types were matched to CDM Smith’s hydrology record of 1965-2021. It should be noted that under climate change futures, the number of year-types shift, changing the supply deliveries of the DCP. For example, under the warm/wet climate future there are more wet and above-normal year-types, while under the hot/dry climate future there are more dry and critically dry year-types. The forecast direct SWP deliveries from the DCP shown in **Figure 3-8** represent opportunities to capture high storm flow volumes during extreme precipitation events under different year-types and for the three different climate futures. However, the real value of the DCP to MET and Orange County is even greater when coupled with increases in storage for use in dry years, which will be discussed later in **Section 4**.

Figure 3-8. Forecast SWP Deliveries from the DCP based on Opportunities to Capture High Storm Flow Volumes





Colorado River Aqueduct Deliveries

CDM Smith utilized the BOR’s CRRS model to simulate CRA deliveries to MET under baseline conditions, with the year 2021 Lake Mead storage conditions used for the start of the simulation. The historical hydrology of 1965-2021 was used for estimating direct river contributions to the CRA. Metropolitan and its member agencies participate in transfers and exchanges that augment direct deliveries of the Colorado River into the CRA. Colorado River shortages for the Lower Basin States of Arizona, California and Nevada are currently governed by the BOR’s Drought Contingency Plan, which superseded the 2007 Interim Guidelines. Allocations of California’s share of shortages to MET are based on priorities established in the California 4.4 Plan and negotiations that took place between MET, Palos Verdes Irrigation District (PVID), Coachella Valley Water District and Imperial Irrigation District (IID) during the development of the Drought Contingency Plan. Lake Mead elevation is used to trigger shortage allocations, which is summarized in **Table 3-6**.

Table 3-6. Allocations of Shortages under BOR Drought Contingency Plan

Lake Mead Elevation (feet)	Colorado River Water Shortage Allocations (AFY)			
	Arizona	Nevada	California	MET
>1075 to 1090	192,000	8,000	0	0
>1050 to 1075	512,000	21,000	0	0
>1045 to 1050	592,000	25,000	0	0
>1040 to 1045	640,000	27,000	200,000	170,000
>1035 to 1040	640,000	27,000	250,000	212,500
>1030 to 1035	640,000	27,000	300,000	255,000
>1025 to 1030	640,000	27,000	350,000	297,500
>1000 to 1025	720,000	30,000	350,000	297,500

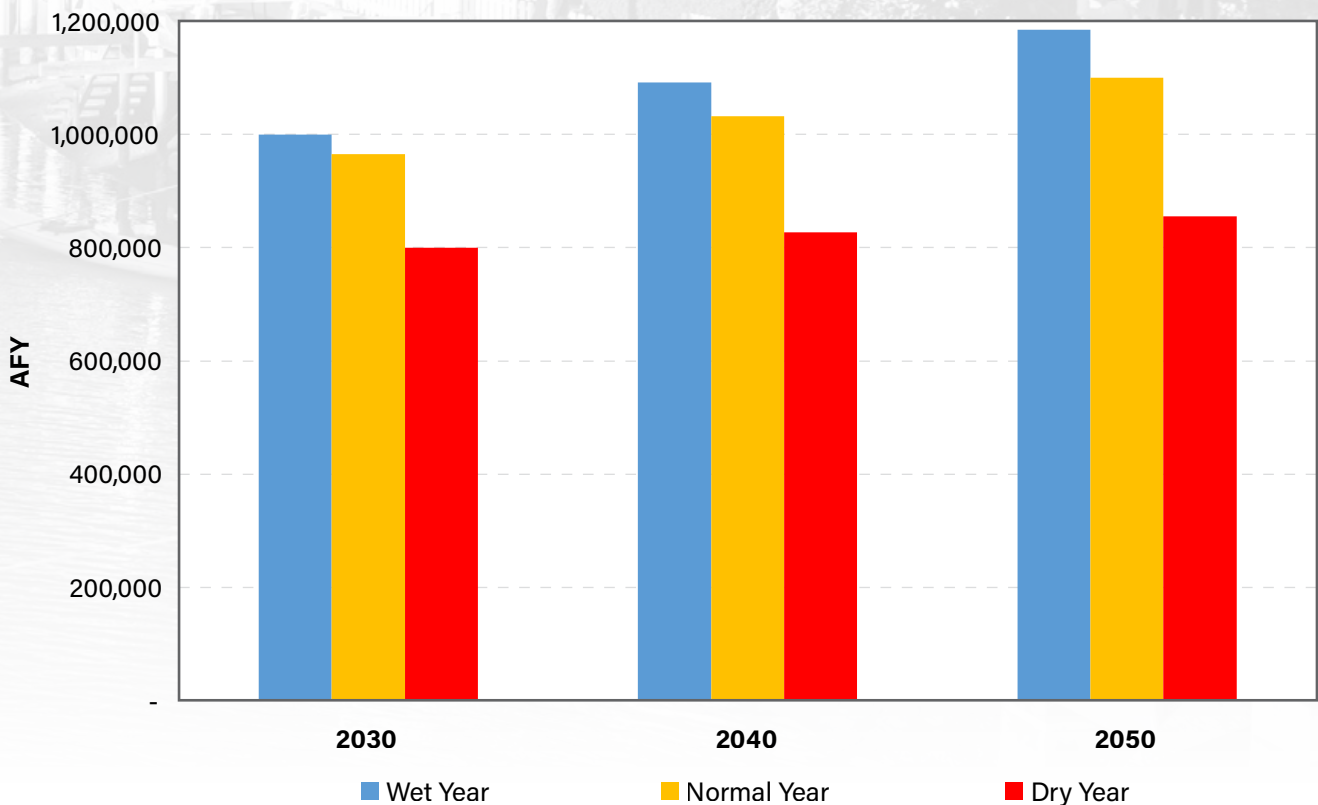
Note: The current Lake Mead elevation as of April 25, 2023, is 1,047 feet and is expected to increase to 1,061 feet by December 2023 due to heavy snowpack in summer/fall of 2023.



In exchange for taking shortage allocations sooner, California will receive benefits in the form of access to Intentionally Created Surplus (ICS) storage during shortage situations that are not currently allowed. ICS water in Lake Mead is defined as water that has been conserved through an extraordinary conservation measure, such as land fallowing. If Lake Mead elevations drop below 1,000 feet, then allocations are based proportionally based on priorities among the Lower Basin States and within California.

Based on the current BOR Drought Contingency Plan, CDM Smith used changed inflows into the Colorado River system under three different climate change futures to alter the baseline conditions. **Figure 3-9** presents CRA forecast deliveries for three representative year-types (e.g., wet, normal, dry) for the warm/wet climate future. The wet year represents the average of the highest 10th percentile, the normal year represents the 50th percentile, and the dry year represents the average of the lowest 10th percentile based on historical hydrology of 1965-2021.

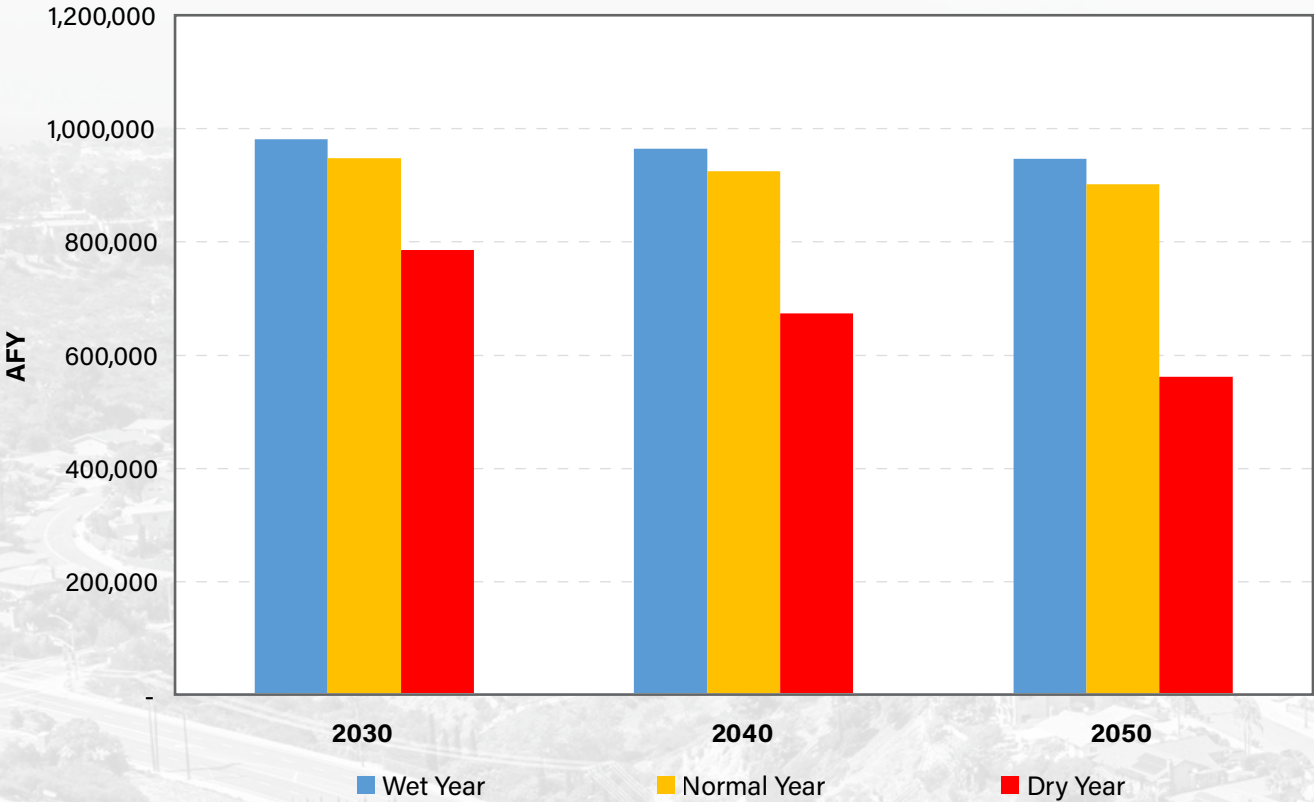
Figure 3-9. Colorado River Aqueduct Forecast Deliveries to MET for Warm/Wet Climate Future



Under a warm/wet climate future, CRA forecast deliveries increase overtime, with normal year deliveries increasing from 0.96 MAF in 2030 to 1.10 MAF in 2050 (15 percent increase).

Figure 3-10 presents CRA deliveries for three representative year-types (e.g., wet, normal, dry) for the warm/dry climate future.

Figure 3-10. Colorado River Aqueduct Forecast Deliveries to MET for Warm/Dry Climate Future

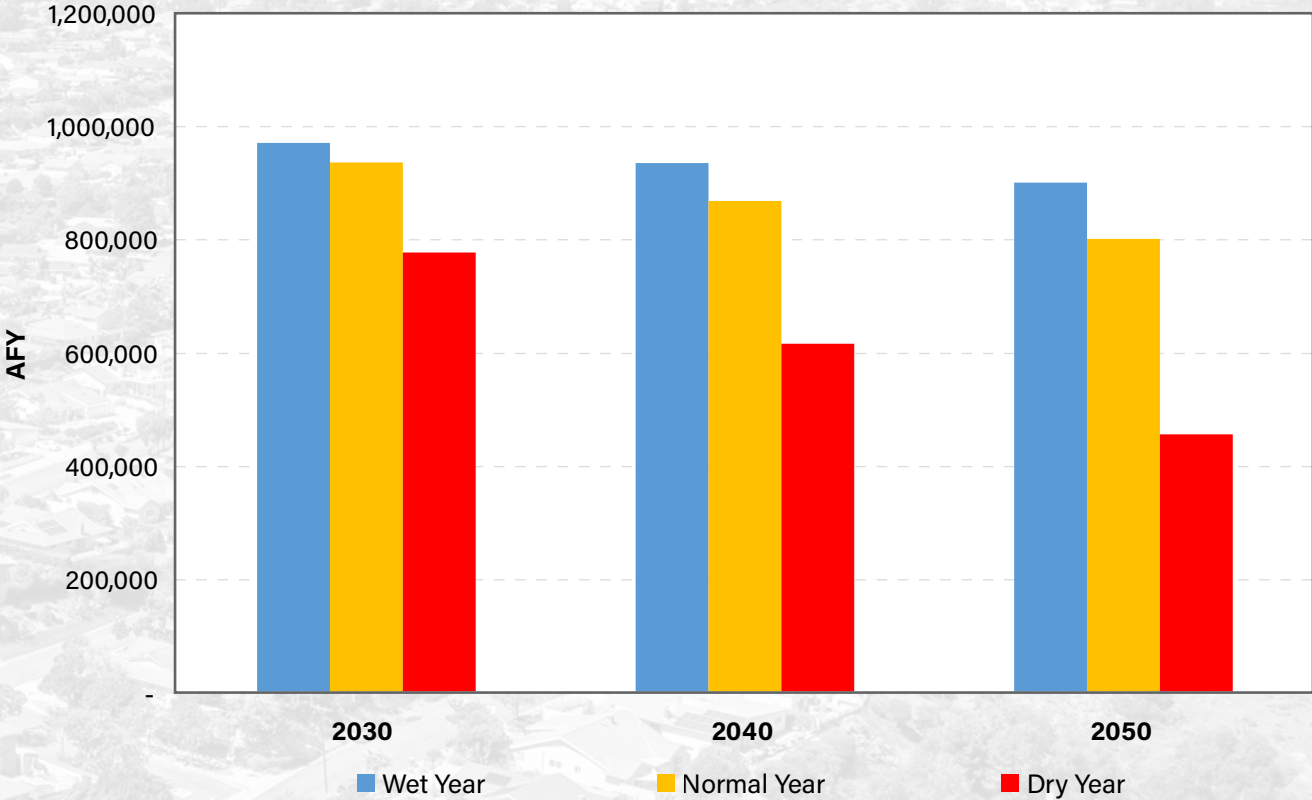


Under a warm/dry climate future, CRA forecast deliveries decrease overtime, with normal year deliveries decreasing from 0.95 MAF in 2030 to 0.90 MAF in 2050 (5 percent decrease). Although dry year deliveries will decrease even more significantly (27 percent decrease).

Figure 3-11 presents CRA deliveries for three representative year-types (e.g., wet, normal, dry) for the hot/dry climate future.

Under a hot/dry climate future, CRA forecast deliveries decrease overtime, with normal year deliveries decreasing from 0.94 MAF in 2030 to 0.80 MAF in 2050 (15 percent decrease). However, dry year deliveries will decrease even more significantly (42 percent decrease).

Figure 3-11. Colorado River Aqueduct Forecast Deliveries to MET for Hot/Dry Climate Future



Existing MET Storage

The OCSIM model tracks surplus water when direct deliveries of imported water exceed MET water demands. Surplus water is stored to given storage capacities for use during emergencies and dry years. **Table 3-7** summarizes the MET storage used in the OCSIM simulations for the 2023 OC Study.

The January 2022 storage levels from MET operations reports were used as the start of the simulation period. MET's substantial storage has greatly mitigated reduced imported deliveries from the SWP in the past and will be key in reducing impacts from future droughts.

Table 3-7. MET Storage Capacities and Initial Volumes

Storage		Total Capacity (AF)	Non-Emergency Capacity (AF)	January 2022 Non-Emergency Current Storage (AF)
State Water Project Storage	Combined MET and Desert Water Coachella Valley Water District (CVWD) SWP Carryover	Allocation Dependent	350,000	38,000
	Castaic Lake (SWP – flexible storage)	325,000	154,000	0
	Lake Perris (SWP – flexible storage)	65,000	65,000	43,600
	Pyramid Lake (SWP)	158,000	0	0
Colorado River Storage	Desert Water & CVWD Advance Delivery Account ¹	800,000	800,000	259,000
	Intentionally Created Surplus (ICS)	1,700,000	1,700,000	1,243,000
MET Reservoir Storage	Diamond Valley	810,000	610,000	488,200
	Lake Matthews and Skinner	226,000	124,000	66,700
MET Groundwater Storage	In-Region	215,000	215,000	16,000
	Out-of-Region	1,340,000	1,340,000	522,000
	Cyclic	250,000	250,000	0

New MET Supplies

For those alternatives that have new MET programs (see **Table 2-2**), these supplies are modeled in OCSIM as either base-loaded supply offsets (e.g., Pure Water Southern California or Colorado River water transfers) or as supplies that are used only during dry years and droughts (e.g., new surface water storage).



Section 4: Water Supply Reliability Assessment

The results of the water supply modeling for the 2023 OC Study were used to estimate the probability and size of potential MET water shortages, and then allocate those shortages to Orange County. It should be noted that the first set of shortage simulations do not include mandatory water use restrictions that have been required in past severe droughts. Understanding the level of water shortages without demand restrictions is useful when determining the potential economic impact of water shortages.

4.1 MET Regional Reliability

The MET regional supply reliability without demand restrictions is presented for the five planning scenarios in **Figure 4-1** for the year 2030 and in **Figure 4-2** for the year 2050.

Figure 4-1. MET Regional Supply Reliability Forecast in Year 2030

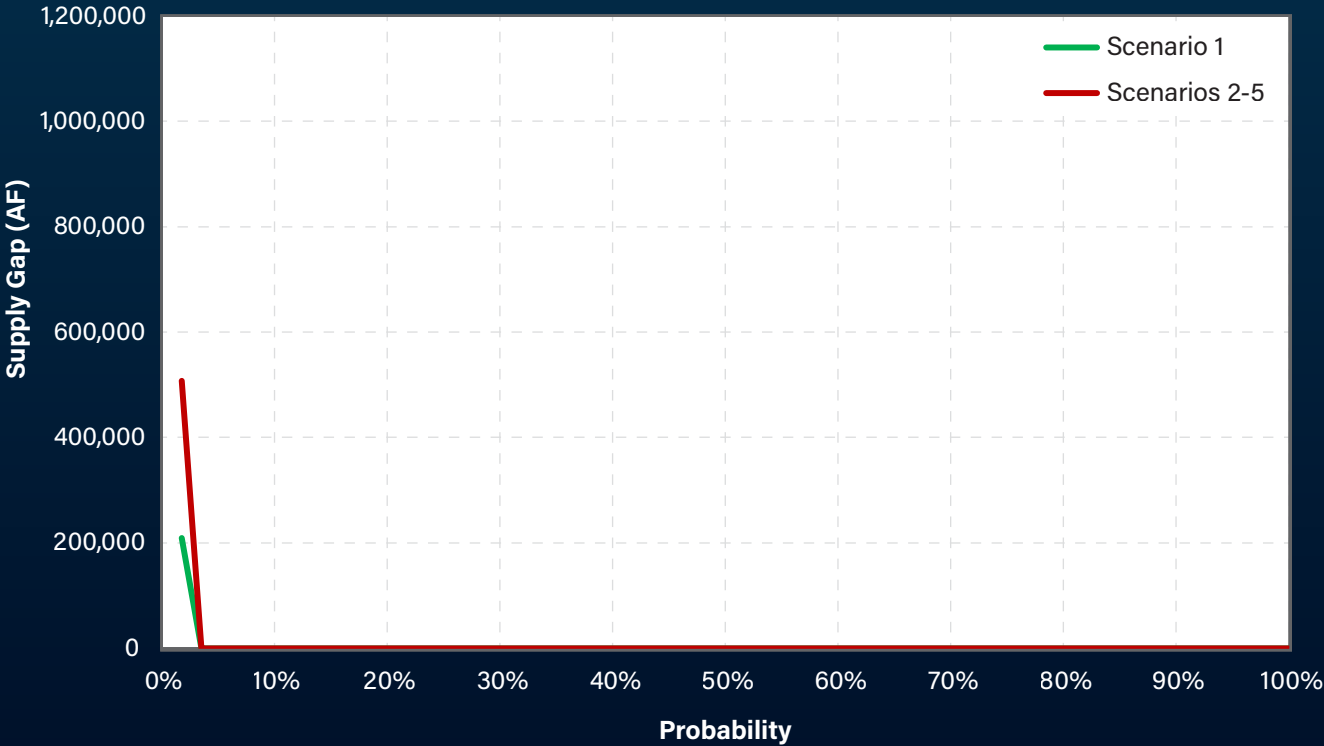
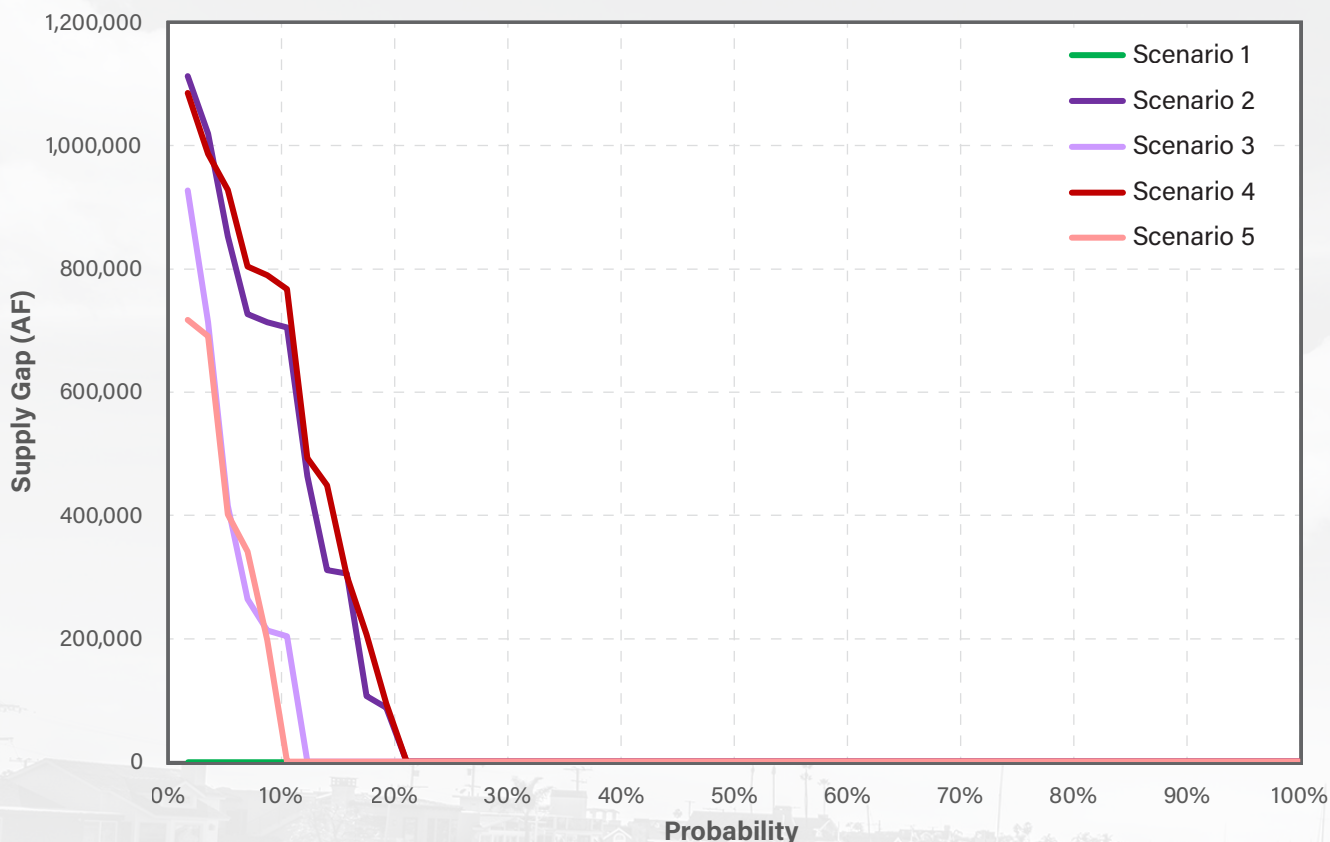


Figure 4-2. MET Regional Supply Reliability Forecast in Year 2050



In 2030, water shortages of any size are expected to occur 3.5 percent of the time. Maximum shortages, which are expected to occur about 1.5 percent of the time, range from 209,000 AFY for Scenario 1 to 508,000 AFY for Scenarios 2-5.

In 2050, MET water shortages of any size are expected to occur between 10 to 21 percent of the time. Maximum MET shortages, which can occur about 3.5 percent of the time, range from 0 AFY for Scenario 1 to 1,085,000 AFY for Scenario 4. When interpreting these results for 2050, it is important to keep in mind the following scenario distinctions:

- While Scenario 1 had shortages in year 2030, those shortages are reduced to zero by 2050 due to: (1) increases in imported water deliveries from 2030-2050 as a result of wetter assumed climate for this scenario; (2) assumed increases in local water supplies in the MET region between 2030 and 2050; and (3) new MET projects assumed to be implemented after 2030, such as the Pure Water Southern California Program and Colorado River water transfer.
- Scenarios 2 and 4 do not include the implementation of the DCP and new MET storage, whereas Scenarios 3 and 5 assume implementation illustrating the value of the DCP.
- While climate change impacts are more significant for Scenarios 4 and 5 (compared to Scenarios 2 and 3), reliability is slightly improved for these scenarios due to assumed increases in water use efficiency and a larger MET Pure Water Southern California program.

4.2 Orange County Reliability

MET regional water shortages were converted into supply allocations to Orange County based on MET’s water allocation formulas under its Water Supply Allocation Plan (WSAP). These formulas reflect existing local water supplies and levels of water use efficiency for Orange County. This provides estimates of MET water deliveries under different hydrologic traces, which are then added to the corresponding local water supplies in order to estimate the probability and size of water shortages for the Orange County Basin, South Orange County and Brea/La Habra. When interpreting results, refer to the scenario distinctions discussed in **Section 4.1**.

South Orange County Reliability

The South Orange County supply reliability without demand restrictions is presented for the five planning scenarios in **Figure 4-3** for the year 2030 and in **Figure 4-4** for the year 2050.

Figure 4-3. South Orange County Supply Reliability Forecast in Year 2030

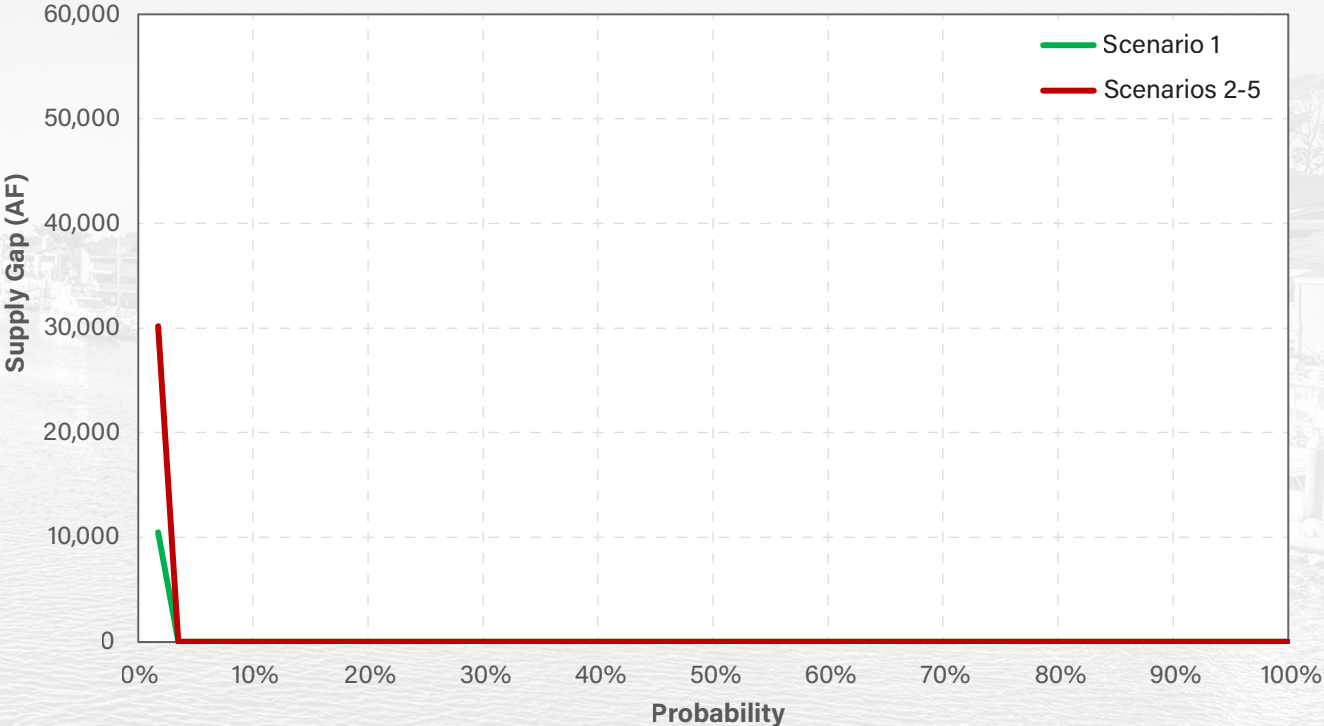
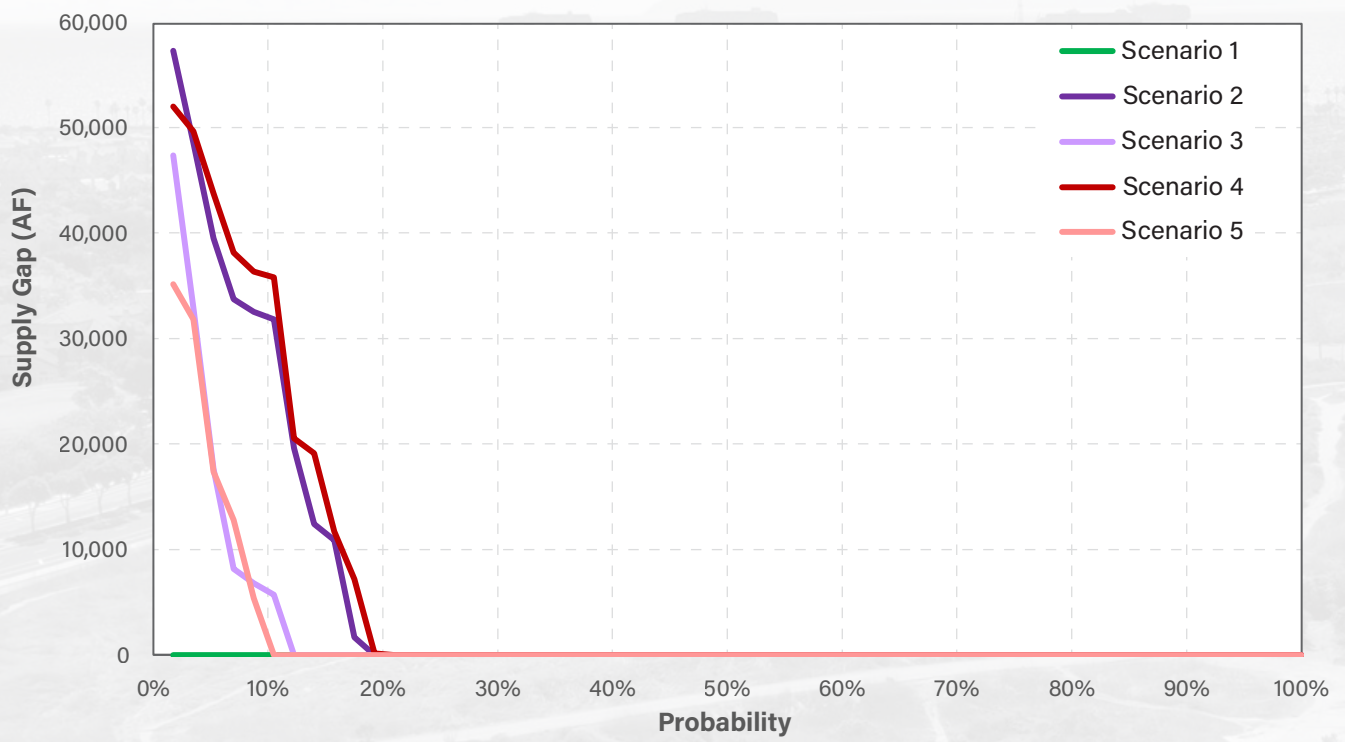




Figure 4-4. South Orange County Supply Reliability Forecast in Year 2050



Orange County Basin Reliability

The Orange County Basin supply reliability without demand restrictions is presented for the five planning scenarios in **Figure 4-5** for the year 2030 and in **Figure 4-6** for the year 2050.

Figure 4-5. Orange County Basin Supply Reliability Forecast in Year 2030

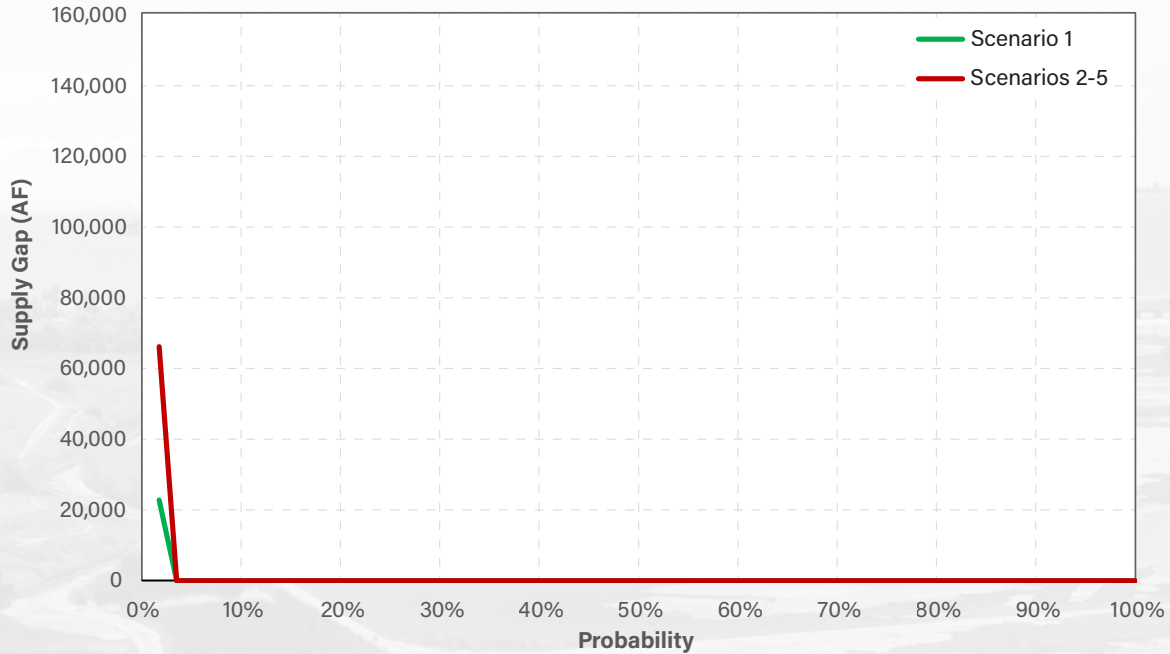
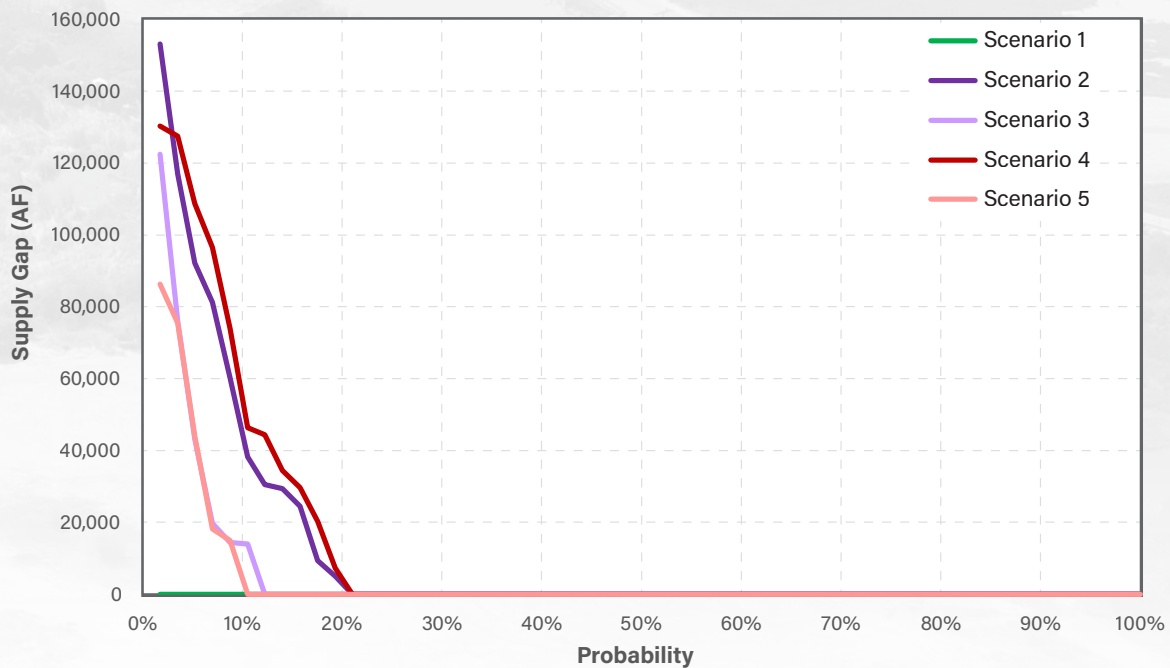


Figure 4-6. Orange County Basin Supply Reliability Forecast in Year 2050



Brea/La Habra Reliability

The Brea/La Habra supply reliability without demand restrictions is presented for the five planning scenarios in **Figure 4-7** for the year 2030 and in **Figure 4-8** for the year 2050.

Figure 4-7. Brea/La Habra Supply Reliability Forecast in Year 2030

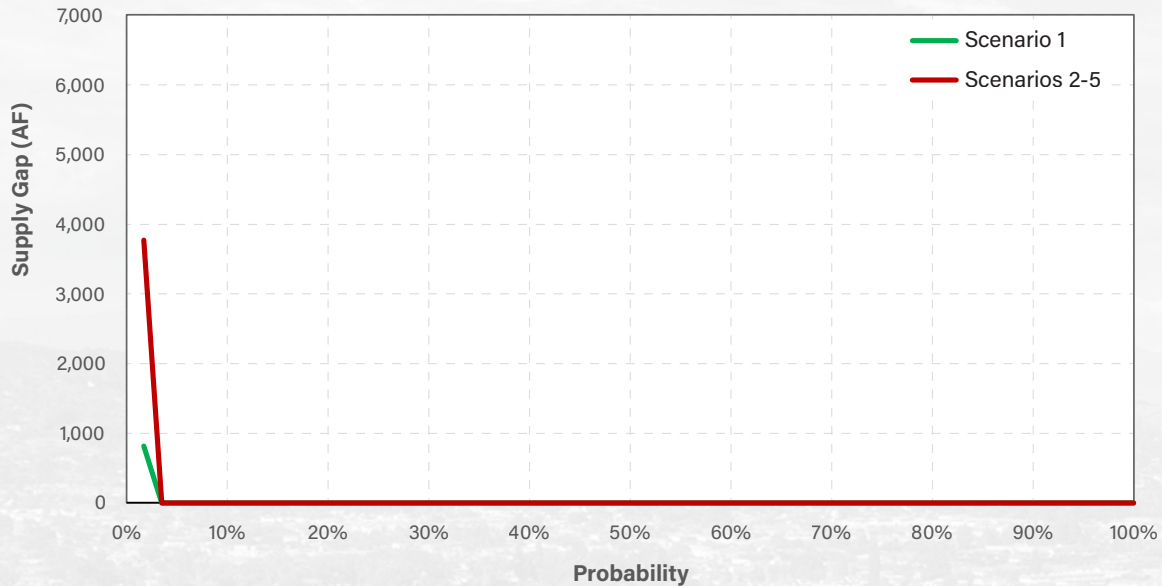
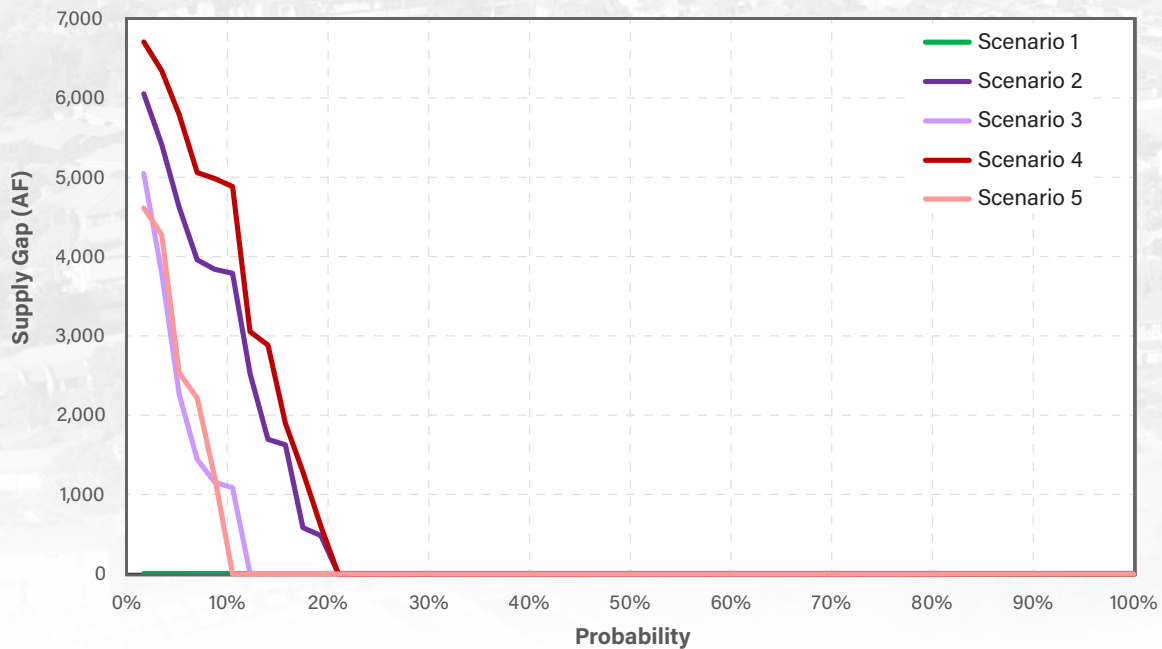


Figure 4-8. Brea/La Habra Supply Reliability Forecast in Year 2050





4.3 Summary of Reliability Assessment

The summary of maximum water shortages for the MET region and study areas in Orange County are shown in **Table 4-1** without water demand restrictions. These maximum water shortages are expected to occur 1.5 percent of the time for the year 2030 and 3.5 percent of the time for 2050.

Table 4-1. Maximum Water Shortages Forecasts without Demand Restrictions

Region	Max Shortage (AFY) in 2030, Occurs 1.9% of Time					Max Shortage (AFY) in 2050, Occurs 3.5% of Time				
	Sc1	Sc2	Sc3	Sc4	Sc5	Sc1	Sc2	Sc3	Sc4	Sc5
MET Service Area	209,000	508,000	508,000	485,000	485,000	0	1,100,000	927,000	1,085,000	718,000
Orange County Basin	24,000	66,000	66,000	70,000	70,000	0	153,000	122,000	130,000	86,000
South Orange County	10,000	30,000	30,000	31,000	31,000	0	57,000	47,000	52,000	35,000
Brea/La Habra	1,000	3,000	3,000	4,000	4,000	0	6,000	5,000	7,000	5,000

Assuming 15 percent mandatory water demand restrictions at the retail level, that would likely be imposed during a critical drought, the maximum water shortages in Table 4-1 can be reduced as shown in **Table 4-2**

Table 4-2. Maximum Water Shortages Forecasts with Demand Restrictions

Region	Max Shortage (AFY) in 2030					Max Shortage (AFY) in 2050				
	Sc1	Sc2	Sc3	Sc4	Sc5	Sc1	Sc2	Sc3	Sc4	Sc5
MET Service Area	0	33,000	33,000	15,000	15,000	0	535,000	362,000	538,000	171,000
Orange County Basin	0	6,000	6,000	9,000	9,000	0	87,000	59,000	67,000	23,000
South Orange County	0	10,000	10,000	11,000	11,000	0	37,000	27,000	32,000	15,000
Brea/La Habra	0	0	0	1,000	1,000	0	3,000	2,000	4,000	2,000

Depending on the scenario, net MET regional water shortages (assuming 15 percent retail-level demand restrictions) for Scenarios 2-5 range from 171,000 to 538,000 AFY in year 2050. In the Orange County Basin, net shortages for Scenarios 2-5 range from 23,000 to 87,000 AFY in year 2050. For South Orange County, net shortages for Scenarios 2-5 range from 15,000 to 37,000 AFY in year 2050; and range from 2,000 to 4,000 AFY for Brea/La Habra in year 2050.

The net water shortages in Orange County can be reduced to near-zero levels with the operations of recently developed supply projects (such as Irvine Ranch Water District's Central Valley Water Banking Program), temporarily increasing the utilization of groundwater in the Orange County Basin above prescribed overdraft targets, and with planned future reuse and desalination projects in South Orange County.

Note: While the scenarios presented in the 2023 OC Study represent five distinct plausible futures, there were many more scenarios that could have been evaluated. Furthermore, a true 'black swan' event scenario—one that represents all of the worst-case outcomes of the uncertainties occurring—was not evaluated. Nonetheless, the OC Study team believes that the five scenarios used for this study represent a reasonable range of potential outcomes that are appropriate for long-term water supply planning.

Section 5: Economic Impacts of Water Shortages

In 2021, MWDOC initiated a study to determine the “value of water” to Orange County by estimating the economic impacts of hypothetical 15 and 30 percent water shortages in Orange County⁹. This study was not meant to imply that these water shortages would occur, but instead examined the economic consequences if they did occur. The approach used for this study is consistent with approaches used by MET, DWR¹⁰, and other agencies to determine the value of proposed water projects. The goal of these approaches is to provide insights for making future water supply investments.

This MWDOC economic study assumed that water shortages would be proportionally allocated to residential and non-residential customers. However, it should be noted that some water providers may prioritize shortage allocations differently than assumed for this study. Note: There may be alternative approaches to evaluating the value of water, other than the one used for this study.

⁹ The Economic Impact of Water Shortages in Orange County, prepared by the Brattle Group on July 15, 2022.

¹⁰ DWR Economic Analysis Guidebook January 2008 located at: https://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/california_waterfix/exhibits/docs/CDWA%20et%20al/SDWA%20273.pdf, Chapter 3 Economic Analysis Methods, pages 15-17.





5.1 Summary of Economic Impacts

To determine the reduced economic output for industrial/commercial customers, a contingent valuation survey was done with 401 businesses in Orange County. Through detailed questions posing different scenarios of reduced water supply, businesses indicated a range of potential reductions in output/services. Then the economic input-output IMPLAN¹¹ model was used to convert reported percent reductions in output/services into dollar impacts.

To determine the impact for residential customers, a welfare loss function based on water demand/price curves were developed for single-family and multifamily residential homes. By restricting water demands by 15 and 30 percent, the estimated willingness-to-pay for not reducing water demand was estimated.

Lastly, lost revenues for water utilities in Orange County was estimated by reducing water sales 15 and 30 percent to residential, industrial, commercial, and institutional customers based on current water rates.

All economic impacts were estimated in 2021 dollars, with no escalation into the future. **Table 5-1** summarizes the mid-point estimate of these economic impacts to the entire Orange County.

Table 5-1. Economic Impacts to Orange County for Hypothetical Water Shortages in \$2021

Region	Water Shortage Impacts (\$M)	
	15% Shortage	30% Shortage
Reduced Output for Businesses	\$5,108	\$10,868
Welfare Losses for Residential	\$241	\$818
Lost Revenues for Water Utilities	\$96	\$191
Total	\$5,445	\$11,877

¹¹ <https://implan.com>

5.2 Applying Economic Impacts to 2023 OC Study Results

The results of MWD OC's economic study were applied to the 2023 OC Study simulations of maximum water shortages based on the following methodology:



Summarize the maximum water shortages over time based on the average results for Scenarios 2-5 (Scenario 1 was omitted as it assumes a more optimistic assumption regarding climate change). Then express these maximum water shortages as a percent of unmet demand.



Match the 15 and 30 percent shortage events from the economic study summarized in Table 5-1 to the results from Step 1. For those years in which the percent shortages fall in between the 15 and 30 percent shortage event, the economic impacts were interpolated.



Estimate the probability that the maximum shortage event is expected to occur over time and multiply the maximum economic impacts by this probability in order to get an expected average impact in current year dollars—similar to the classic risk formula where: average impact = likelihood x consequence.



Escalate the current year expected average economic impact for all future years, using an escalation factor of 3 percent per year. Then estimate the total present value economic impact, by discounting future year impacts using a discount rate of 5 percent per year, and summing the years to get a present value total.

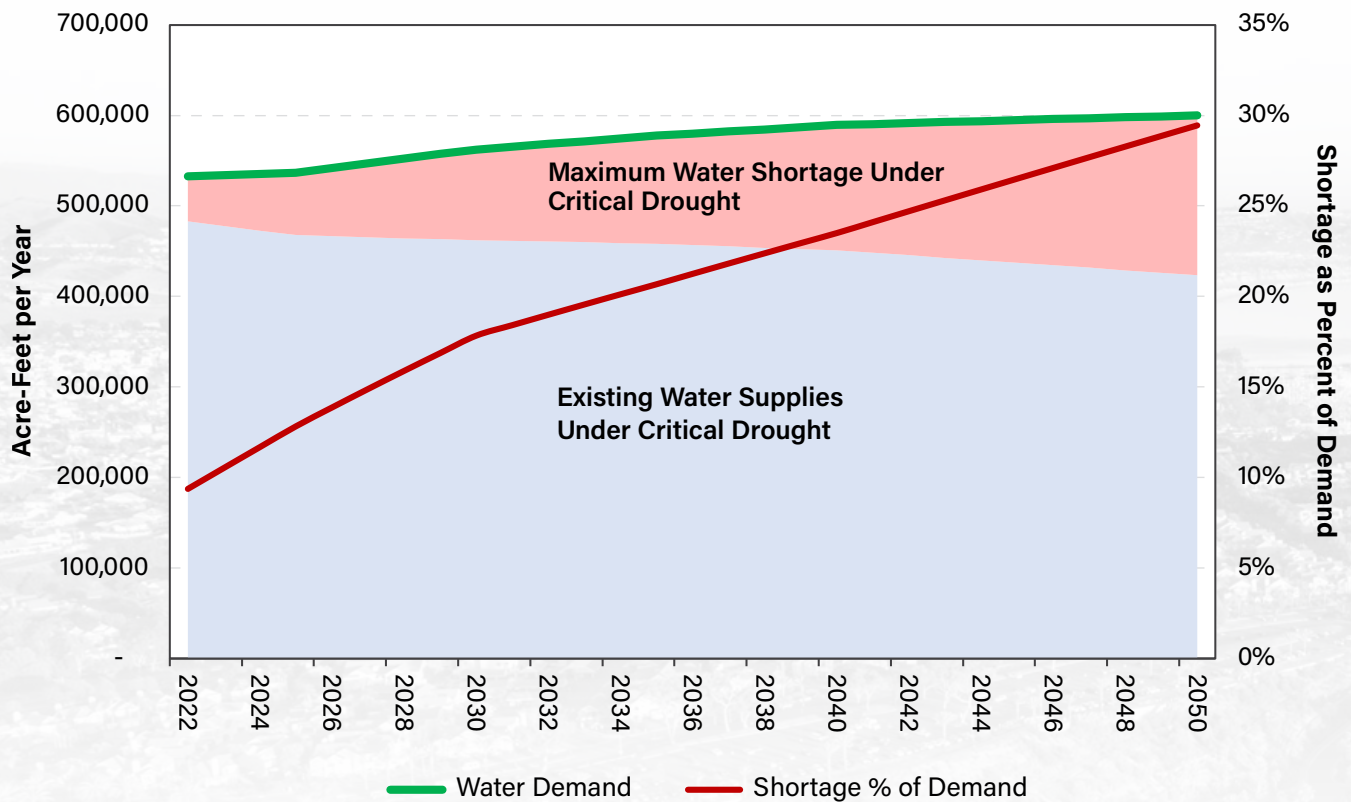


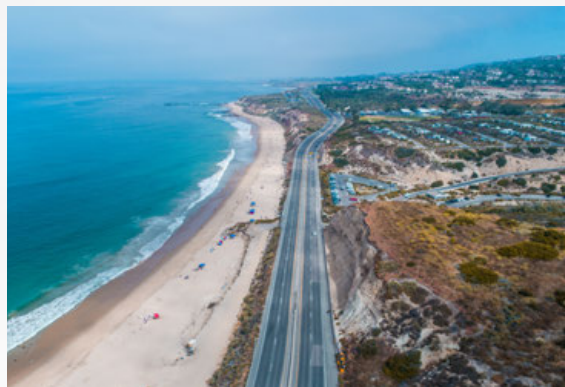
Estimate the value of water, expressed as dollars per acre-foot, by taking the total present value economic impact (dollars) divided by the sum of present value water shortages (acre-feet).



The maximum water shortages, averaged for Scenarios 2-5, for Orange County in total are shown in **Figure 5-1**. Shown in this figure is total water demand, existing water supplies, the maximum water shortages, and the maximum water shortages expressed as a percent of unmet demand.

Figure 5-1. Maximum Water Shortages based on Average of 2023 OC Study Scenarios 2-5





Matching the percent of unmet water demands in Figure 5-1 to economic impacts in Table 5-1 results in the maximum annual economic impact for future years, as summarized in **Table 5-2**. Also shown in **Table 5-2** is the probability that the maximum shortage event is expected to occur, which when multiplied by the maximum economic impact results in the expected average annual economic impact.

Table 5-2. Economic Impacts of Water Shortages in \$2021

Year	Maximum Annual Economic Impact (\$M)	Probability of Maximum Shortage Event Occuring	Expected Average Annual Economic Impact (\$M)
2025	\$3,729	1.7%	\$62
2030	\$6,731	1.9%	\$128
2035	\$8,018	2.3%	\$184
2040	\$8,875	2.7%	\$240
2045	\$10,162	3.0%	\$315
2050	\$11,448	3.5%	\$401



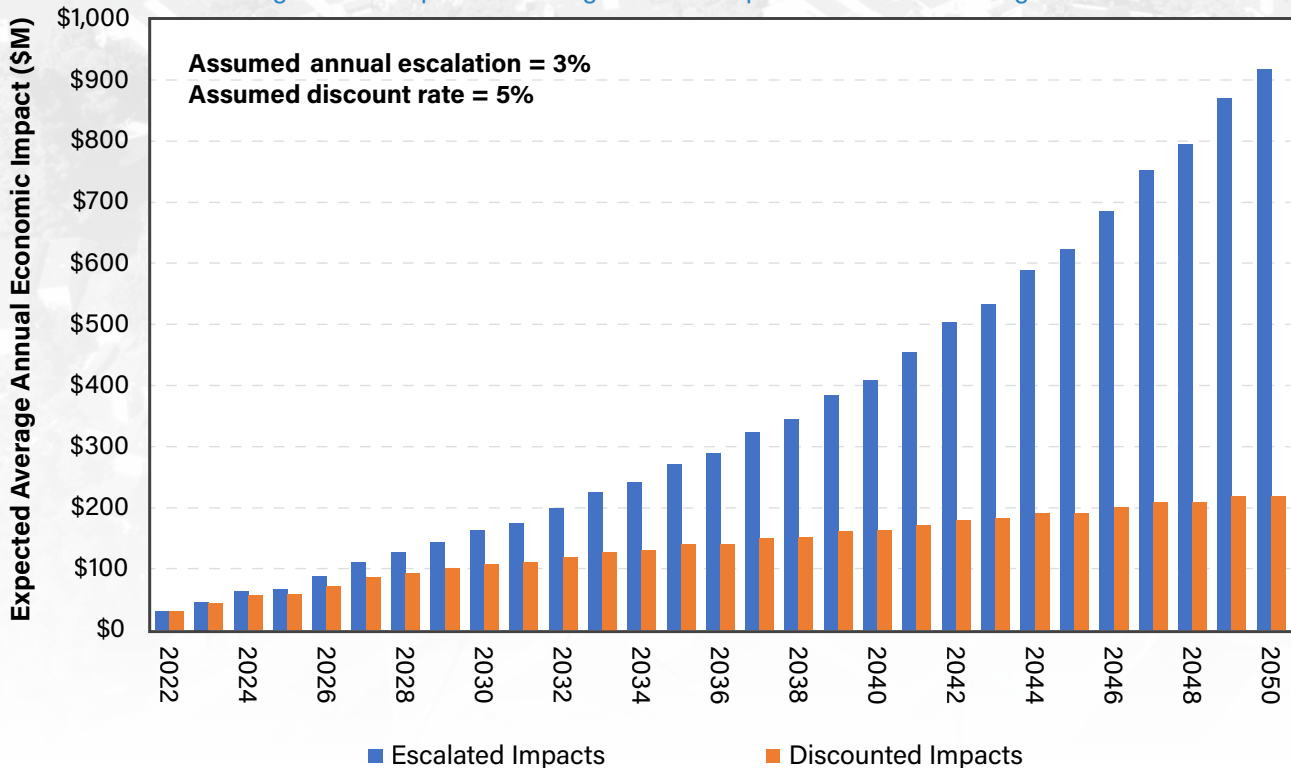
Irvine Ranch Water District's
Michelson Water Recycling Plant.
Courtesy of IRWD



The expected average annual economic impact in **Table 5-2** was escalated at 3 percent per year, then discounted at 5 percent per year in order to arrive at a total present value (see **Figure 5-2**).

The sum of the discounted expected average economic impacts in Figure 5-2 is **\$4 billion**, while the discounted water shortages is **1.6 MAF**. The "value of water" or benefit can also be expressed as a unit value of approximately **\$2,500/AF**. This benefit can now be compared to the unit cost of new water supply projects, with that the calculation being the present value of capital and O&M costs divided by the present value of water supply over life of the project. Water supply projects in Orange County identified in the 2018 OC Study ranged from **\$1,950 to \$2,350/AF**, indicating that there would be a net positive economic impact from their development.

Figure 5-2. Expected Average Annual Impacts of Water Shortages



Section 6: Conclusions

6.1 Summary of Findings

The results of the 2023 OC Study are summarized in four key findings, which are:

KEY FINDING 1



Under a hot/dry climate future (which recent evidence seems to suggest might be the current path), coupled with 15 percent mandatory water demand restrictions and optimistic future water supply assumptions (i.e., maximum levels of local and regional reuse, increased water use efficiency, new water transfers and storage, and implementation of the Delta Conveyance Project), the analysis indicates that water shortages in the MET service area and Orange County can still occur. The maximum water shortage in 2050 under these future conditions (as represented in Scenario 5) is 171,000 AFY for MET and 40,000 AFY for all of Orange County. The probability of these maximum shortages occurring is 3.5 percent.

KEY FINDING 2



Within Orange County, these net water shortages can be reduced to near zero values utilizing recent investments made by local water agencies in reuse and water banking, temporarily maximizing local groundwater beyond overdraft targets, and with planned new water supply projects.

KEY FINDING 3



The maximum value of the Delta Conveyance Project, when coupled with 250,000 AF of new regional storage, is estimated to be 367,000 AFY for MET and 63,000 AFY for Orange County. The Delta Conveyance Project also reduces the probability that any shortage occurs by about 10 percent—meaning a doubling of the time between shortage conditions from once every 5 years to once every decade.

KEY FINDING 4



Based on MWDOC's 2022 report on the Economic Impacts of Water Shortages in Orange County, the value of water supply investments in Orange County is estimated to be approximately \$2,500/AF in present value terms. In comparison, the present value unit costs of recently completed and planned water supply projects in Orange County range from \$1,950-\$2,350/AF. Therefore, it can be interpreted that these Orange County projects represent a net economic benefit to Orange County.

6.2 Recommendations

Based on the findings from the 2023 OC Study, the following recommendations are being made:



Recommendation 1

Orange County water agencies should continue to make investments in water reuse, water use efficiency, water transfers and banking, groundwater/surface water conjunctive use, and desalination.

Recommendation 2

Orange County officials should advocate for a balanced regional portfolio of water supplies for MET that includes: (a) implementation of MET's Pure Water Southern California program; (b) implementation of the Delta Conveyance Project; (c) new regional storage, which could include participation in the proposed Sites Reservoir Project; (d) continued financial support for water use efficiency and local projects, and (e) exploration of regional seawater desalination.

Recommendation 3

Orange County and MET should continue to study the evolving science of climate change and its impacts on water demands and supplies, as well as develop adaptive management strategies to mitigate these impacts.

In summary, there is no one or two silver bullets that will provide full water supply reliability for the MET region and Orange County under a likely warmer and drier climate future through the year 2050. The findings from this comprehensive assessment justify an "all of the above strategy" to ensure a robust regional economy and quality of life for our residents for decades to come.

Section 7: Study References

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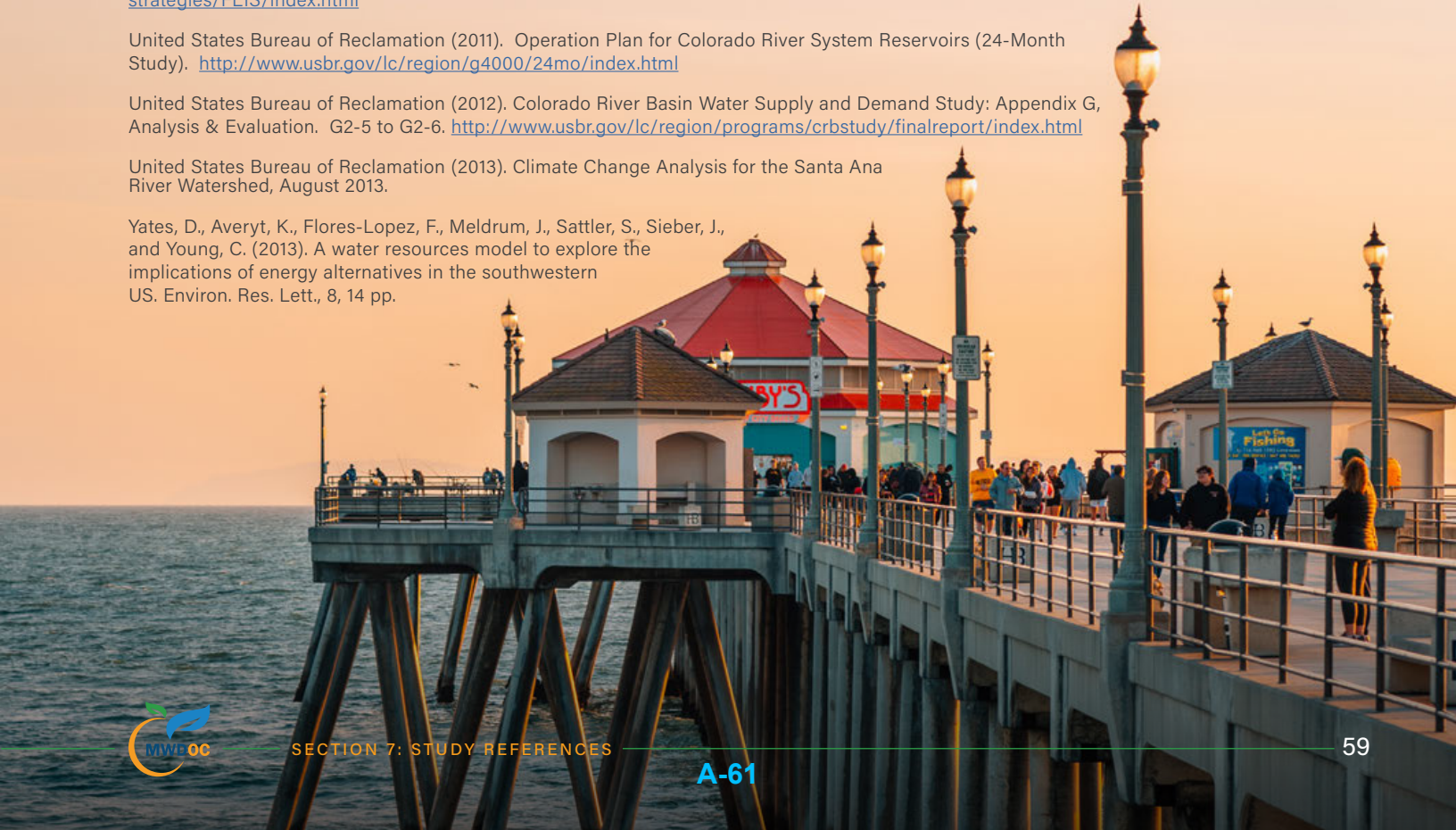
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Prepared by



Prepared by




Exhibit "B"

MWDOC 2023 Reliability Study Planning Scenarios

Scenario Name	Uncertainties						
	Climate Change Future	Water Demands	Water Use Efficiency Levels	OC Basin Groundwater Assumptions	Increased Local Water Supplies in MET Region	Assumed New MET Water Supply Programs/ Projects	Delta Conveyance Project
1. Low Stress without Delta Conveyance	Warm/Wet	Lower Levels	Baseline	<ul style="list-style-type: none"> BPP of 82% achieved 77% of time in 2030 Med SAR baseflows 	<ul style="list-style-type: none"> 110 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 102 TAF Pure Water SoCal (2030) 100 TAF CRA Transfers (2030) 	Not Implemented
2. Moderate Stress without Delta Conveyance	Warm/Dry	Medium Levels	Baseline	<ul style="list-style-type: none"> BPP of 82% achieved 74% of time in 2030 Med SAR baseflows 	<ul style="list-style-type: none"> 60 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 102 TAF Pure Water SoCal (2030) 100 TAF CRA Transfers (2030) 	Not Implemented
3. Moderate Stress with Delta Conveyance	Warm/Dry	Medium Levels	Baseline	<ul style="list-style-type: none"> BPP of 82% achieved 74% of time in 2030 Med SAR baseflows 	<ul style="list-style-type: none"> 60 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 102 TAF Pure Water SoCal (2030) 100 TAF CRA Transfers (2030) 250 TAF Storage (2035) 	Implemented (2040)
4. Significant Stress without Delta Conveyance	Hot/Dry	Higher Levels	Increased: <ul style="list-style-type: none"> 211 TAF MET 40 TAF OC 	<ul style="list-style-type: none"> BPP of 82% achieved 61% of time in 2030 Low SAR baseflows 	<ul style="list-style-type: none"> 40 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 168 TAF Pure Water SoCal (2035) 100 TAF CRA Transfers (2030) 	Not Implemented
5. Significant Stress with Delta Conveyance	Hot/Dry	Higher Levels	Increased: <ul style="list-style-type: none"> 211 TAF MET 40 TAF OC 	<ul style="list-style-type: none"> BPP of 82% achieved 61% of time in 2030 Low SAR baseflows 	<ul style="list-style-type: none"> 40 TAF GW 420 TAF Reuse 	<ul style="list-style-type: none"> 168 TAF Pure Water SoCal (2035) 100 TAF CRA Transfers (2030) 250 TAF Storage (2035) 	Implemented (2040)

Notes: MET = Metropolitan Water District of Southern California, TAF = Thousand Acre-Feet, BPP = OCWD Basin Pumping Percentage, SAR = Santa Ana River, GW = Groundwater, CRA = Colorado River Aqueduct, Numbers in () indicate online operations

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September 7, 2023
Prepared and
submitted by: C. Compton
Approved by: Paul A. Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

2023 LEGISLATIVE AND REGULATORY UPDATE

SUMMARY:

This report provides an update on the 2023-2024 legislative session, regulatory issues, and IRWD priorities. As legislation and regulations develop, staff will provide updates and recommendations to the Water Resources Policy and Communications Committee and the Board, as appropriate. Staff recommends the Board receive and file this report.

BACKGROUND:

The last day of the first year of the 2023-2024 Regular Legislative Session is September 14, which is the day the interim legislative recess begins. The Governor has until October 14 to sign or veto legislation passed by the Legislature this year. The 2023-2024 Regular Legislative Session will resume on January 3, 2023.

A copy of the 2023 Legislative Matrix is provided as Exhibit “A”. Links to the bills discussed below are included within each discussion unless a separate exhibit is noted.

2023 State Legislative Update:

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

- *SB 3 (Dodd, D-Napa) – Discontinuation of Residential Water Service:* SB 3 would expand the applicability of the Water Shutoff Protection Act (“Act”) (a.k.a., SB 998) to public water systems that serve at least 15 service connections used by yearlong residents or regularly serves at least 25 yearlong residents and require community water systems to comply with SB 998 provisions on or after August 1, 2024. SB 3 would also require all public water systems to have a written policy on discontinuation of residential service for nonpayment that includes a plan for deferred or reduced payments and alternative payments schedules for all customers – not just low-income customers – who are delinquent on their water bills. Additionally, as amended, SB 3 expands the Attorney Generals’ ability to bring an action against a water supplier for violating this area of the law. IRWD currently has a “watch” position on SB 3, but the water industry has been seeking clarifying amendments to the bill. Staff will update the Committee on that effort;
- *AB 249 (Holden, D-Pasadena) – Water: Lead Testing at Schoolsites:* AB 249 would require a community water system that serves a K-12 public school receiving federal Title I funds to test each of the schoolsite’s potable water system outlets for lead on or before January 1, 2027. IRWD currently has an “oppose unless amended” position on AB 249 and has been seeking amendments to the bill through an association lead effort. Staff will update the Committee on those efforts;

- Climate resilience bonds;
- Surplus Land Act legislation;
- Other legislation of interest to the District; and
- 2024 association and District government relations planning.

2023 State and Regional Regulatory Update:

“Making Conservation a California Way of Life” Regulation:

On August 18, the State Water Resources Control Board initiated the formal rulemaking process for implementation of the “Making Conservation a California Way of Life” legislation (SB 606 (Hertzberg, 2018) and AB 1668 (Friedman, 2018)). As expected, the [proposed regulation](#) details the water efficiency standards and variances to be used in calculating each urban retail water supplier’s Urban Water Use Objective, along with the commercial, industrial, and institutional performance measures urban retail water suppliers will need to implement. The proposed regulation also includes extensive annual reporting requirements that have not previously been discussed with urban retail water suppliers.

The State Board will hold a public hearing on the proposed regulation on October 4, and will accept written comments on the proposed regulation through October 17. Staff has reviewed the proposed regulation and will discuss the District’s ongoing strategy for engaging on it with the Committee as the State Board undertakes its formal rulemaking process.

Other 2023 State and Regional Regulatory Updates:

The following is a list of state and regional regulations and agency reports staff is monitoring, tracking, or planning to engage in over the next three to 12 months. As the next drafts of the regulations or reports are released for public review and comment, staff will engage, as appropriate. Staff will also provide an oral update to the Committee 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 Endangered Species Act Listing](#) for the Southern California Steelhead;
- California Natural Resources Agency (CNRA) [30 x 30 California Implementation](#);
- CNRA’s [Water Resilience Portfolio Implementation and Resiliency 2.0](#) Implementation;
- DWR’s [2023 California Water Plan Update](#);
- State Board’s development of a “[Cross Connection Policy Handbook](#)”;
- State Board’s [Direct Potable Reuse Regulations](#);
- State Board’s implementation of the Lead and Copper Rule;
- State Board reporting requirements;

- 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; and
- South Coast AQMD's [PAR 1146.2 Control of NOx from Large Water Heaters, Small Boilers and Process Heaters](#).

2023 Federal Legislative Update:

Kern Fan Groundwater Storage Project Outreach:

IRWD's federal advocacy priority in 2023 focuses on seeking federal funding for the Kern Fan Groundwater Storage Project and advocating for an increased funding authorization for the federal Water Storage Program. Staff will provide an update on those efforts.

2023 Federal Regulatory Update:

Waters of the United States (WOTUS) Definition:

On August 29, 2023, the United States Environmental Protection Agency (EPA) and Army Corps of Engineers issued [a final rule to amend](#) the final ["Revised Definition of 'Waters of the United States'" rule](#), which was finalized in January 2023. The newly released final rule amends the WOTUS definition, as part of the January 2023 rule are invalid under the Supreme Court's decision in *Sackett v. Environmental Protection Agency*, which was published in May. Staff is reviewing the newly released final rule and will discuss it with the Committee.

Other 2023 Federal Regulatory Updates:

The following is a list of federal regulations and agency reports staff is monitoring, tracking, or planning to engage in over the next three to 12 months. As the next drafts of the regulations or report are released for public review and comment, staff will engage, as appropriate. Staff will also provide an oral update to the Committee 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. EPA's [Lead and Copper Rule Improvements](#);
- U.S. EPA's [Proposed Designation of PFOA and PFOS as CERCLA Hazardous Substances](#);
- U.S. EPA's [Potential Future Hazardous Substances Designations of PFAS Under CERCLA](#);
- U.S. EPA's [Proposed PFAS National Primary Drinking Water Regulation](#);

- U.S. EPA’s [Consumer Confidence Report Rule Revisions](#); and
- Bureau of Reclamation’s [Post-2026 Colorado River Reservoir Operational Guidelines and Strategies for Lake Powell and Lake Mead](#).

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

Receive and file.

LIST OF EXHIBITS:

Exhibit “A” – IRWD 2023 Legislative Matrix

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 9 Muratsuchi (D)	Greenhouse Gases: Market-Based Compliance Mechanism		Authorizes the State Air Resources Board to include the use of market-based compliance mechanisms in regulating greenhouse gas emissions. Requires the State Board to prepare and approve a scoping plan for achieving the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions and to update the scoping plan at least once every specified number of years.	06/01/2023: In ASSEMBLY. To Inactive File.
CA AB 12 Haney (D)	Tenancy: Security Deposits		Prohibits a landlord from demanding or receiving security for a rental agreement for residential property in an amount or value in excess of an amount equal to one month's rent, regardless of whether the residential property is unfurnished or furnished, in addition to any rent for the first month paid on or before initial occupancy.	06/22/2023: In SENATE. Read second time. To third reading.
CA AB 30 Ward (D)	Atmospheric Rivers: Research: Reservoir Operations	Support	Renames the Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program the Atmospheric Rivers Research and Forecast Improvement Program: Enabling Climate Adaptation Through Forecast-Informed Reservoir Operations and Hazard Resiliency Program. Requires the Department of Water Resources to develop new observations, prediction models, novel forecasting, and tailored decision support systems to improve predictions of atmospheric rivers and impacts on water, flooding, fire debris, and environment.	08/22/2023: *****To GOVERNOR.
CA AB 34 Valencia (D)	Elections: County of Orange Citizens Redistricting		Establishes the Citizens Redistricting Commission in the County of Orange, which would be charged with adjusting the boundary lines of the districts of the Board of Supervisors of the County of Orange in accordance with specified criteria. Provides that the commission would consist of a specified number of voting members and a specified number of nonvoting, alternate members who meet specified qualifications. Requires each member to attend all public hearings and meetings of the commission, with exceptions.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 37 Bonta M (D)	Political Reform Act of 1974: Campaign Funds: Security		Authorizes a candidate or elected officer to use campaign funds to pay or reimburse the State for the reasonable costs of installing and monitoring a home or office electronic security system, and for the reasonable costs of providing personal security to a candidate, elected officer, or the immediate family and staff of a candidate or elected officer, if those costs are directly related to a political, legislative, or governmental purpose.	08/15/2023: In SENATE. Read second time. To third reading.
CA AB 43 Holden (D)	Greenhouse Gas Emissions: Building Materials		Provides that existing law requires the State Air Resources Board to develop a framework for measuring and then reducing the average carbon intensity of the materials used in the construction of new buildings. Provides that existing law requires the framework to include a comprehensive strategy for the building sector to achieve a 40% net reduction in greenhouse gas emissions, as determined from a specified baseline. Requires the baseline to be established based on certain factors.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 50 Wood (D)	Public Utilities: Timely Service: Customer Energization		Requires the Public Utilities Commission to determine the criteria for timely service for electric customers to be energized. Requires each large electrical corporation that energized less than a specified percent of customers with completed applications exceeding a specified number of months in duration by specified date, to submit a report to the commission demonstrating that the large electrical corporation has energized a certain percent of customers with applications deemed complete as of certain date.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 57 Kalra (D)	California Pocket Forest Initiative		Establishes the California Pocket Forest Initiative in the Department of Forestry and Fire Protection and authorizes the department to coordinate implementation of the initiative in conjunction with the California Urban Forestry Act. Authorizes the department to provide grants to cities, counties, districts, nonprofit organizations, the California Conservation Corps or certified community conservation corps, public universities, community colleges, and schools to establish pocket forests on public lands.	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 62 Mathis (R)	Statewide Water Storage: Expansion		Establishes a statewide goal to increase above and below-ground water storage capacity by a total of a specified number of acre-feet by a specified year and a total of a specified number of acre-feet by a later specified year. Requires the Department of Water Resources, in consultation with the State Water Resources Control Board, to take reasonable actions to promote or assist efforts to achieve the statewide goal.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 63 Cervantes (D)	Canvass of the Vote: Reporting Results		Requires the elections official to post updated information regarding the election on their internet website at least a specified number of times per week. Permits the elections official to stop posting the results when either a certified statement of results is published or the only ballots left to count are vote by mail ballots for which a voter has the opportunity to cure their ballot by verifying or providing their signature.	07/03/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 66 Mathis (R)	Natural Resources Agency: Water Storage Projects		Requires the department, board, conservancy, or commission of the Natural Resources Agency responsible for issuing a permit to post updates on its internet website for each permit application explaining how the permit approval process is progressing and the estimated time until the permit is approved.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 70 Rodriguez (D)	Emergency Response: Trauma Kits		Provides that existing law requires the person or entity responsible for managing the building, facility, and tenants of certain occupied structures, including those that are owned or operated by a local government, and that are constructed on or after certain date, to comply with certain requirements, including acquiring and placing a certain number of trauma kits. Applies the trauma kit requirement to certain structures that are constructed prior to specified date, and subject to subsequent modifications.	08/16/2023: In SENATE. Read second time. To third reading.
CA AB 83 Lee (D)	Political Reform Act of 1974: Contributions		Expands the prohibition against foreign campaign contributions to include contributions, expenditures, or independent expenditures made by a foreign-influenced business entity, as defined, in connection with an election or ballot measure.	06/01/2023: In ASSEMBLY. To Inactive File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 122 Assembly Budget Committee	Public Resources Trailer Bill		Expresses the intent of the Legislature that the administration conduct an assessment of offshore wind energy permitting and related resource needs across applicable State entities, including, but not limited to, the Energy Commission, the State Lands Commission, the California Coastal Commission, and the State Coastal Conservancy. States that the outcomes of the assessment may be considered as part of a future budget. Appropriates funds.	08/14/2023: Re-referred to SENATE Committee on BUDGET AND FISCAL REVIEW.
CA AB 227 Sanchez (R)	State Employment: Social Media Platforms		Prohibits a person from installing an application for a social media platform on a state-owned or state-issued electronic device if specified conditions are met, including that the social media company that owns the application is domiciled in, has its principal place of business in, has its headquarters in, or is organized under the laws of, a country of concern.	02/17/2023: To ASSEMBLY Committees on PRIVACY AND CONSUMER PROTECTION and PUBLIC AND EMPLOYMENT AND RETIREMENT.
CA AB 234 Bauer-Kahan (D)	Microparticles		Enacts the Synthetic Polymer Microparticles in Cosmetic and Cleaning Products Prevention Act. Prohibits a synthetic polymer microparticle from being placed on the market in the State as a substance on its own or, where the synthetic polymer microparticles are present to confer a sought-after characteristic, in mixtures in a concentration equal to or greater than a specified percent by weight. Specifies the screening tests and pass criteria to be used for purposes of determining compliance.	03/30/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
CA AB 241 Reyes (D)	Vehicular Air Pollution: Clean Transportation Program		Provides that existing law creates the Enhanced Fleet Modernization Program to provide compensation for the retirement and replacement of passenger vehicles and light-duty and medium-duty trucks that are high polluters. Provides that existing law creates the Enhanced Fleet Modernization Subaccount in the High Polluter Repair or Removal Account. Requires the guidelines to ensure each replacement vehicle in the program be either a plug-in hybrid or zero-emission vehicle, with specified exceptions.	06/26/2023: In ASSEMBLY. Read third time and amended. To third reading.
CA AB 246 Papan (D)	Product Safety: Menstrual Products: PFAS	Support	Prohibits any person from manufacturing, distributing, selling, or offering for sale in the State any menstrual products that contain regulated perfluoroalkyl and polyfluoroalkyl substances, and	08/15/2023: In SENATE. Read second time. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			requires a manufacturer to use the least toxic alternative when removing regulated PFAS in menstrual products to comply with these provisions. Authorizes the Attorney General, a city attorney, a county counsel, or a district attorney to bring an action to enforce these provisions.	
CA AB 249 Holden (D)	Water: Schoolsites: Lead Testing: Conservation		Requires a schoolsite, local education agency, and the State Water Resources Control Board to make the results of schoolsite lead sampling publicly available by posting the results on its internet website. Expands the board's authority to issue citations and penalties for violations of the California Safe Drinking Water Act or any regulation, permit, standard, citation, or order issued or adopted under the act.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 262 Holden (D)	Children's Camps: Safety and Regulation		Requires the State Department of Social Services to convene and consult with a stakeholder group on children's camp safety. Requires the department to issue its recommendations, as informed by the group, in a report to the Legislature. Requires the recommendations to address, among other things, a definition for a children's camp, child supervision requirements, requirements for camp licensure and regulation, and the agency necessary to establish and enforce rules and regulations relating to such camps.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 270 Lee (D)	Political Reform Act of 1974: Public Campaign Financing		Permits a public officer or candidate to expend or accept public moneys for the purpose of seeking elective office if the State or a local governmental entity established a dedicated fund for this purpose. Prohibits the public moneys for this dedicated fund from being taken from public moneys that are earmarked for education, transportation, or public safety. Provides that this restriction would not apply to charter cities.	06/14/2023: To SENATE Committees on ELECTIONS AND CONSTITUTIONAL AMENDMENTS and APPROPRIATIONS.
CA AB 277 Rodriguez (D)	Extreme Weather Forecast and Threat Intelligence Center		Establishes the State-Federal Flood Operations Center within the Department of Water Resources and authorizes the department to administer the center in the department's divisions, offices, or programs. Requires the department and the Office of Emergency Services, in consultation with cooperating agencies, to develop and submit a report to the Legislature on or before specified date	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			that outlines necessary technological advancements for agile forecasting and gaps in data that would improve flood response.	
CA AB 281 Grayson (D)	Planning and Zoning: Housing: Postentitlement Phase		Requires a special district that receives an application from a housing development project for service from a special district or an application from a housing development project for a postentitlement phase permit to provide written notice to the applicant of next steps in the review process, including, but not limited to, any additional information that may be required to begin to review the application for service or approval.	08/15/2023: In SENATE. Read second time. To third reading.
CA AB 287 Garcia E (D)	California Global Warming Solutions Act of 2006		Requires state agencies administering competitive grant programs that allocate moneys from the Greenhouse Gas Reduction Fund to give specified communities preferential points during grant application scoring for programs intended to improve air quality, to provide for a specified application timeline, and to allow applicants from the Counties of Imperial and San Diego to include daytime population numbers in grant applications.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 292 Pellerin (D)	Primary Elections: Ballots		Provides that existing law prohibits a voter who has declined to disclose a political party preference from voting in a particular party' s primary election unless the party has authorized such a voter to vote in that party' s primary election. Requires, for any nonpartisan ballot provided to a voter who has declined to disclose a political party preference for use in a presidential primary election, that the ballot provide specified information regarding how a voter may request and vote a partisan ballot.	07/11/2023: In SENATE. Read second time. To third reading.
CA AB 295 Fong (R)	Department of Transportation: Maintenance Projects		Requires the Department of Transportation to expedite roadside maintenance for specified projects related to roadside maintenance and the removal and clearing of material. Authorizes local governmental entities, fire protection districts, fire safe councils, and tribal entities to notify the department of those projects that have not been completed in an efficient and timely manner. Requires the Division of Maintenance to begin the maintenance project within a specified number of days.	07/11/2023: In SENATE Committee on TRANSPORTATION: Not heard.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 297 Fong (R)	Wildfires: Local Assistance Grant Program		Extends the Director of Forestry and Fire Protection's authority to authorize advance payments from a grant program award to January 1, 2034.	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 300 Papan (D)	Notaries Public: Notification of Death		Requires a notary public to designate a personal representative, to file the designation with the county clerk and with the Secretary of State, and to include the name and contact information of the personal representative in their sequential journals.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 305 Villapudua (D)	California Flood Protection Bond Act of 2024	Support	Enacts the California Flood Protection Bond Act of 2024 which, if approved by the voters, would authorize the issuance of bonds in the specified amount pursuant to the State General Obligation Bond Law for flood protection projects. Provides for the submission of these provisions to the voters at the specified statewide general election.	06/14/2023: To SENATE Committees on NATURAL RESOURCES AND WATER and GOVERNANCE AND FINANCE.
CA AB 311 Santiago (D)	Food Assistance Program: Eligibility and Benefits		Removes a specified age limitation and makes any individual eligible for the program if the individual's immigration status is the sole basis for their ineligibility for CalFresh benefits.	06/14/2023: To SENATE Committee on HUMAN SERVICES.
CA AB 324 Pacheco (D)	Gas Corporations: Renewable Gas Procurement		Requires the Public Utilities Commission, in consultation with the State Air Resources Board, to consider adopting specific biomethane procurement targets or goals for each gas corporation. Requires the commission to open a new proceeding, or a new phase of an existing proceeding, to consider establishing procurement goals for renewable hydrogen and consider requiring each gas corporation and core transport agent to annually procure a proportionate share of renewable hydrogen to meet those goals.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 334 Rubio (D)	Public Contracts: Conflicts of Interest	Support	Provides that existing law prohibits members of the Legislature and State, county, district, judicial district, and city officers or employees from being financially interested in any contract made by them in their official capacity, or by any body or board of which they are members. Establishes that an independent contractor, who meets specified requirements, is not an officer for	08/29/2023: Enrolled.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			purposes of being subject to the prohibition on being financially interested in a contract.	
CA AB 338 Aguiar-Curry (D)	Public Works: Definition		Expands the definition of public works to include fuel reduction work done under contract and paid for in whole or in part out of public funds performed as part of a fire mitigation project. Limits specified provisions to work that falls within an apprenticeship occupation in the building and construction trades for which an apprenticeship program has been approved and to contracts in excess of \$100,000.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 340 Fong (R)	California Environmental Quality Act: Noncompliance		Requires the alleged grounds for noncompliance with the California Environmental Quality Act (CEQA) presented to the public agency in writing be presented at least 10 days before the public hearing on the project before the issuance of the notice of determination. Prohibits the inclusion of written comments presented to the public agency after that time period in the record of proceedings and would prohibit those documents from serving as basis on which an action or proceeding may be brought.	03/27/2023: In ASSEMBLY Committee on NATURAL RESOURCES: Not heard.
CA AB 345 Wilson (D)	Habitat Restoration: Flood Control: Advance Payments		Authorizes the Department of Water Resources or the Central Valley Flood Protection Board to provide advance payments to local agencies for projects that restore habitat for threatened and endangered species under state or federal law or improve flood protection. Requires the project proponent to demonstrate a need for an advance payment and that the project proponent is sufficiently qualified to manage the project and the project's finances.	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 347 Ting (D)	Household Product Safety: Toxic Substances		Provides that existing law prohibits a person from distributing, selling, or offering for sale in the State a juvenile product or food packaging that contains perfluoroalkyl and polyfluoroalkyl substances. Requires the Department of Toxic Substances Control to adopt guidance regarding the PFAS prohibition and the internet posting and labeling requirements for cookware, and to post that guidance on its website. Authorizes the department to assess administrative fines against manufacturers for noncompliance.	08/28/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 356 Mathis (R)	Dilapidated Building Refurbishment Act		Relates to the California Environmental Quality Act. Provides that a lead agency is not required to evaluate the aesthetic effects of a project and aesthetic effects shall not be considered significant effects on the environment if the project involves the refurbishment, conversion, repurposing, or replacement of an existing building that meets specified requirements.	07/27/2023: Chaptered by Secretary of State. Chapter No. 2023-116
CA AB 362 Lee (D)	Real Property Taxation: Land Value Taxation Study		Requires the California Department of Tax and Fee Administration to conduct or commission a study on the efficacy of a statewide land value taxation system as an alternative to the current appraisal methods utilized for real property taxation. The bill would require the study to be provided to the Legislature by a specified date.	04/10/2023: In ASSEMBLY Committee on REVENUE AND TAXATION: Heard, remains in Committee.
CA AB 363 Bauer-Kahan (D)	Pesticides: Neonicotinoids for Nonagricultural Use		Requires the Department of Pesticide Regulation to issue a determination with respect to a reevaluation of neonicotinoid pesticides on pollinating insects, aquatic ecosystems, and human health when used for the nonagricultural protection of outdoor ornamental plants, trees, and turf, and to adopt any control measures for that use that are determined by the department, based on the reevaluation, to be necessary to protect pollinating insects, aquatic ecosystems, and human health.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 388 Connolly (D)	California's Wildfire and Forest Resilience		Requires the Department of Conservation, in consultation with the Wildfire and Forest Resilience Task Force and member agencies, to establish guidelines for funding the implementation of regional priority strategies and to establish regional investment strategies to identify and align resources that support implementation of regional priority strategies that contribute to the goals and key actions identified in California's Wildfire and Forest Resilience Action Plan issued by the task force in January 2021.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 396 Fong (R)	Dams		Makes nonsubstantive changes to existing law which regulates the construction and operation of dams and exempts certain structures for these purposes.	02/02/2023: INTRODUCED.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 397 Essayli (R)	California Global Warming Solutions Act of 2006		Requires the State Air Resources Board to include greenhouse gas emissions from wildlands and forest fires in the scoping plan for achieving reductions in greenhouse gas emissions.	03/13/2023: In ASSEMBLY Committee on NATURAL RESOURCES: Reconsideration granted.
CA AB 398 Pellerin (D)	Voting: Replacement Ballots		Relates to a replacement ballot upon request. Requires the voter making the request to provide the elections official with specified personal identifying information.	06/27/2023: In SENATE. Read second time. To third reading.
CA AB 399 Boerner (D)	Water Ratepayers Protections Act of 2023: County Water		Relates to the Water Ratepayers Protections Act of 2023, which requires a public entity to submit a proposition of excluding the public agency's corporate area from the county water authority to the electors within the territory of the county water authority. Requires the ballot materials to include a fiscal impact statement. Requires the materials to include a statement describing the annual aggregated fiscal impact to remaining members of the county water authority as a result of the reorganization.	08/28/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 400 Rubio (D)	Local Agency Design-Build Projects: Authorization		Provides that existing law authorizes a local agency with approval of its governing body, to procure design-build contracts for public works projects in excess of \$1,000,000, awarding the contract either to the lowest bid or the best value. Expands definition of local agency to include any joint powers authority responsible for the construction of transit projects, thereby authorizing additional joint powers authorities to use the design-build procurement process.	08/29/2023: Enrolled.
CA AB 407 Chen (R)	Hazardous Waste: Used Oil		Provides that existing law authorizes the Department of Toxic Substances Control to regulate the disposal of hazardous waste, including used oil. Provides that existing law excludes from regulation used oil that meets specified criteria. Requires the used oil to either not be subject to regulation as either hazardous waste or used oil under federal law or that the used oil not be subject to regulation as a hazardous waste under federal law and meets certain testing criteria.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 408 Wilson (D)	Climate Resilient Farms		Enacts the Climate-Resilient Farms, Sustainable Healthy Food Access, and Farmworker Protection Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds to finance programs related to, among other things, agricultural lands, food and fiber infrastructure, climate resilience, agricultural professionals, including farmers, ranchers, and farmworkers, workforce development and training, air quality, tribes, disadvantaged communities, nutrition, and food aid.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 409 Weber A (D)	California Conservation Camp Program		Requires the Department of Forestry and Fire Protection to modify its training program for inmate firefighters serving as members of a hand crew through the California Conservation Camp program to provide participants the opportunity to earn a specified list of certifications related to firefighting, or the department's equivalents of those certifications, while incarcerated.	03/16/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
CA AB 422 Alanis (R)	Natural Resources Agency: Statewide Water Storage		Requires the Natural Resources Agency, on or before June 1, 2024, to post on its publicly available internet website information tracking the progress to increase statewide water storage, and to keep that information updated.	02/09/2023: To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
CA AB 429 Bennett (D)	Groundwater Wells: Permits		Provides that, if a specified percent of domestic wells go dry in a critically overdrafted basin, a county, city, or any other water well permitting agency is prohibited from approving a permit for a new groundwater well or for an alteration to an existing well in a basin subject to the Sustainable Groundwater Management Act and classified as a critically overdrafted basin unless specified conditions are met.	03/28/2023: In ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Not heard.
CA AB 437 Jackson (D)	State Government: Equity		Provides that existing law requires the Chief Equity Officer to improve equity and inclusion throughout State government operations and authorizes the Chief Equity Officer to engage with State entities for these purposes. Requires State agencies and departments, in carrying out their duties, to consider the use of more inclusive practices to advance equity.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 450 Carrillo (D)	Commercial Real Property		Relates to law that authorizes a public entity to, by enactment of a statute, charter or charter amendment, or ordinance, establish a requirement for notice relating to the termination of a lease of commercial real property due to the expiration of its term. Relates to prohibition of an enactment from applying to certain leases and rental agreements. Prohibits an enactment from applying to a lease, the term of which expires within a specified number of days after the effective date of the enactment.	03/23/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on JUDICIARY.
CA AB 453 Cervantes (D)	District-Based Elections		Requires a public hearing concerning district-based elections that is consolidated with a meeting of the governing body of the political subdivision that includes other substantive agenda items, to begin at a fixed time regardless of its order on the agenda.	05/10/2023: To SENATE Committees on ELECTIONS AND CONSTITUTIONAL AMENDMENTS and GOVERNANCE AND FINANCE.
CA AB 457 Patterson J (R)	Surplus Land Act: Exempt Surplus Land: Leases		Provides that the disposal of exempt surplus land is not subject to certain requirements. Expands definition of exempt surplus land to include a parcel that is identified in the local agency's circulation element or capital improvement program for future roadway development, is no larger than a specified number of acres, is zoned for retail commercial use, and the use of the parcel is consistent with the underlying zoning, and abuts a State highway right-of-way.	06/29/2023: In SENATE. Read second time and amended. To third reading.
CA AB 460 Bauer-Kahan (D)	State Water Resources Control Board: Water Rights		Authorizes the State Water Resources Control Board to issue, on its own motion or upon the petition of an interested party, an interim relief order to a diverter or user of water in adjudicative proceedings to apply or enforce specified provisions of law related to water rights and quality.	06/27/2023: In SENATE Committee on NATURAL RESOURCES AND WATER: Not heard.
CA AB 468 Quirk-Silva (D)	State Building Standards		Requires the housing or building department or, if there is no building department, the health department, of every city or county or a specified environmental agency to enforce within its jurisdiction all of the State Housing Law and State Building Standards Code. Provides that if an enforcement agency determines that a building is substandard based solely on the building being occupied, the agency is prohibited from	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			commencing proceedings to abate the violation by repair if specified conditions are met.	
CA AB 469 Fong (R)	California Public Records Act Ombudsperson		Establishes, within the California State Auditor's Office, the California Public Records Act Ombudsperson. Requires the California State Auditor to appoint the ombudsperson subject to certain requirements. Creates an appropriation.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 480 Ting (D)	Surplus Land		Recasts the definition of exempt surplus land with respect to surplus land for specified housing purposes, to remove the requirement that it be put out to open, competitive bid. Requires that certain surplus land be transferred with a covenant or restriction recorded against the land at the time of sale, as specified.	08/28/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 485 Davies (R)	Tenancy: Application Screening Fee		Provides that in no case shall the lease application screening fee charged by the landlord or their agent be greater than a specified amount. Relates to law that requires a landlord or their agent give a copy of a consumer credit report to an applicant who has paid an application screening fee and who is the subject of that report, if so requested by the applicant. Requires that the consumer credit report be given to the applicant within a specified number of hours.	02/23/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on JUDICIARY.
CA AB 489 Calderon (D)	Workers' Compensation: Disability Payments		Establishes a workers' compensation system, administered by the Administrative Director of the Division of Workers' Compensation, to compensate an employee for injuries sustained in the course of the employee's employment; governs temporary and permanent disability indemnity payments; allows an employer to commence a program under which disability indemnity payments are deposited in a prepaid card account for employees.	07/13/2023: Chaptered by Secretary of State. Chapter No. 2023-063
CA AB 500 Davies (R)	Rent Increases: Notices		Relates to law that requires a landlord of a residential dwelling to give notice at least a specified number of days before the effective date of the rent change based upon the percentage increase in the amount of rent charged to the tenant at any time during the specified number of months before the effective date of the	02/27/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on JUDICIARY.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			increase. Authorizes a landlord of a residential dwelling to give notice by electronic mail.	
CA AB 501 Fong (R)	Greenhouse Gas Reduction Fund: High-Speed Rail		Provides that existing law continuously appropriates a specified percent of the annual proceeds of the Greenhouse Gas Reduction Fund to the High-Speed Rail Authority for certain purposes. Suspends the appropriation to the High-Speed Rail Authority. Requires the transfer of those amounts from moneys collected by the Air Resources Board to the General Fund. Specifies that the transferred amounts shall be available to augment funding for water conveyance, water storage infrastructure, and flood prevention.	04/24/2023: In ASSEMBLY Committee on TRANSPORTATION: Reconsideration granted.
CA AB 504 Reyes (D)	State and Local Public Employees: Labor Relations		Provides that it is not unlawful or a cause for discipline or other adverse action against a public employee for that employee to refuse to enter property that is the site of a primary strike, perform work for a public employer involved in a primary strike, or go through or work behind a primary strike line. States that a provision in a public employer policy or collective bargaining agreement that purports to limit or waive specified rights shall be void against public policy, with certain exceptions.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA AB 508 Petrie-Norris (D)	Probation: Environmental Crimes		Authorizes a court, for entities with more than a specified number of employees, to impose a period of probation for a maximum period of a specified number of years in specified crimes relating to, among other things, fish and game, dumping in waterways, pesticides, oil dumping and spills, waste management, and animal cruelty.	08/15/2023: In SENATE. Read second time. To third reading.
CA AB 509 Fong (R)	Personal Income Taxes: Gross Income: Exclusion: Student		Provides that the Personal Income Tax Law excludes from the gross income of an employee amounts paid or incurred by an employer for educational assistance to the employee up to a specified amount during a year. Includes in the definition of educational assistance a payment made by an employer on or after specified date, and before specified date, paid or incurred by the employer, whether paid to the employee or to a lender, of	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			principal or interest on a qualified education loan relating to interest.	
CA AB 516 Ramos (D)	Mitigation Fee Act: Fees for Improvements: Reports		Provides that the Mitigation Fee Act authorizes a person to request an audit to determine whether a fee or charge levied by a local agency exceeds the amount reasonably necessary to cover the cost of a product, public facility, or service provided by the local agency. Expands the purposes of the audit to include a determination of when the revenue generated by a fee or charge is scheduled to be expended and when the public improvement is scheduled to be completed. Provides for specified exemptions.	07/12/2023: In SENATE. Read second time. To third reading.
CA AB 518 Wicks (D)	Paid Family Leave: Eligibility		Expands eligibility for benefits under the paid family leave program to include individuals who take time off work to care for a seriously ill designated person. Defines designated person to mean any individual related by blood or whose association with the employee is the equivalent of a family relationship. Authorizes the employee to identify the designated person when they file a claim for benefits. Makes these changes operative on and after specified date.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 520 Santiago (D)	Employment: Public Entities		Provides that under existing law, any individual or business entity that contracts for services in the property services or long-term care industries is jointly and severally liable for any unpaid wages, including interest, where the individual or business entity has been provided notice, by any party, of any proceeding or investigation by the Labor Commissioner in which the employer is found liable for those unpaid wages. Provides that any public entity is jointly and severally liable for any unpaid wages.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 521 Bauer-Kahan (D)	Occupational Safety and Health Standards: Toilets		Requires the Division of Occupational Safety and Health, before specified date, to submit to the Occupational Safety and Health Standards Board a rulemaking proposal to consider revising a regulation on construction jobsite toilet facilities to require at least one designated separate toilet facility for jobsites with a specified number of required separate toilet facilities for employees who self-identify as female or nonbinary.	07/05/2023: In SENATE. Read second time. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 527 Calderon (D)	Urban Forestry: School Greening Projects: Grants		Provides that the California Urban Forestry Act of 1978 requires the Department of Forestry and Fire Protection to implement a program in urban forestry to encourage better tree management and planting in urban areas. Requires funds to be administered to support school greening by providing grants to eligible local educational agencies, nonprofit organizations, cities, counties, and districts, through a competitive grant process developed by the department. Requires the department to develop guidelines.	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 529 Gabriel (D)	Adaptive Reuse Projects		Requires the Department of Housing and Community Development, in consultation with the State Fire Marshal, to research and develop revisions and clarifications to the California Building Standards Code pertaining to the requirements for adaptive reuse development projects. Authorizes the department to propose these revisions and clarifications to the California Building Standards Commission.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 530 Boerner (D)	Vehicles: Electric Bicycles		Prohibits a person under a specified age from operating an electric bicycle of any class. States the intent of the Legislature to create an e-bike license program with an online written test and a State-issued photo identification for those persons without a valid driver's license, prohibit persons under a specified age from riding e-bikes, and create a stakeholders working group to work on recommendations to establish an e-bike training program and license.	07/13/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on RULES.
CA AB 541 Wood (D)	California Safe Drinking Water Act: Wildfire Aftermath		Relates to the California Safe Drinking Water Act. Directs the State Water Resources Control Board to require a public water system that has experienced a wildfire event meeting specified criteria to perform sample collection and analysis of its source waters, treatment facilities, conveyance facilities, distribution systems, or a combination thereof, for the presence of benzene as soon as it is safe to do so.	07/05/2023: In SENATE. Read second time. To third reading.
CA AB 544 Bryan (D)	Voting: County Jails		Requires the county sheriff or county jail facility administrator to designate an employee as a voting coordinator at each facility who will be responsible for ensuring compliance with	04/19/2023: From ASSEMBLY Committee on ELECTIONS: Do pass to Committee on APPROPRIATIONS.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			requirements pertaining to polling locations, for maintaining voter education materials in the jail library, and for posting informational flyers regarding voting rights and eligibility to vote, among other duties. Requires the Secretary of State to prepare a related training for voting coordinators.	
CA AB 547 Alanis (R)	Distribution of Energy Resources		Makes nonsubstantive changes to existing law that requires the State Energy Resources Conservation and Development Commission to continuously carry out studies, research projects, data collection, and other activities required to assess the nature, extent, and distribution of energy resources to meet the needs of the state.	02/08/2023: INTRODUCED.
CA AB 548 Boerner (D)	State Housing Law: Inspection		Requires local enforcement agencies, by specified date, to develop policies and procedures for inspecting a building with multiple units if an inspector or code enforcement officer has determined that a unit is substandard or is in violation of the State Housing Law. Provides that if the enforcement agency determines the substandard condition could reasonably affect other units, a certain notice is required to be given to the property owner and the units reinspected to verify correction of the violations.	07/03/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 557 Hart (D)	Open Meetings: Local Agencies: Teleconferences	Support	Authorizes the legislative body of a local agency to use teleconferencing without complying with specified teleconferencing requirements in specified circumstances when a declared state of emergency is in effect. Provides that those circumstances are that, among other things, State or local officials have imposed or recommended measures to promote social distancing.	06/29/2023: In SENATE. Read second time. To third reading.
CA AB 560 Bennett (D)	Sustainable Groundwater Management Act		Requires the parties to an adjudication action to submit a proposed settlement agreement determining rights to water to the State Water Resources Control Board for a nonbinding advisory determination as to whether the proposed settlement agreement will substantially impair the ability of a groundwater sustainability agency, the board, or the Department of Water	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			Resources to achieve sustainable groundwater management before filing the proposed settlement agreement with the court.	
CA AB 573 Garcia E (D)	Organic Waste: Meeting Recovered Organic Waste Product		Provides that existing law requires the State Air Resources Board to approve and begin implementing a comprehensive short-lived climate pollutant strategy to achieve a certain reduction in statewide emissions of methane. Requires the Department of Resources Recycling and Recovery to allow a local jurisdiction, in procuring recovered organic waste products to meet procurement requirements, to use California-derived recovered organic waste that the local jurisdiction sends for processing outside of the State.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 575 Papan (D)	Paid Family Leave		Provides that existing law authorizes the Employment Development Department to administer the Disability Insurance Compensation Program, which includes family temporary disability insurance benefits or paid family leave. Requires the department to develop a certification form for an employee taking leave to bond with a minor child, for placement of the child in connection with foster care or adoption, or for an individual's assumption of responsibilities for the child in loco parentis. Appropriates funds.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 584 Hart (D)	California Coastal Act of 1976: Coastal Development		Relates to the California Coastal Act which requires the issuance of a coastal development permit if the proposed development is in conformity with the certified local coastal program. Provides that permit requirements may be waived under specified circumstances. Provides that this waiver provision does not authorize the permanent erection of structures valued at more than a specified amount. Increases the amount, adjusted annually for inflation pursuant to the consumer price index.	07/27/2023: Chaptered by Secretary of State. Chapter No. 2023-118
CA AB 585 Rivas R (D)	California Global Warming Solutions Act of 2006		Requests the California Council on Science and Technology, in its discretion, every specified number of years, to perform a literature review as an ongoing series of systematic reviews, including source materials, to assess the infrastructure project	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			types, scale, and pace necessary to achieve the State's energy, climate change, and air quality goals.	
CA AB 587 Rivas R (D)	Public Works: Payroll Records		Requires any copy of records requested by, and made available for inspection by or furnished to, a multiemployer Taft-Hartley trust fund or joint labor-management committee be provided on forms provided by the Division of Labor Standards Enforcement or contain the same information as the forms provided by the division.	08/24/2023: In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY for concurrence.
CA AB 593 Haney (D)	Carbon Emission Reduction Strategy: Building Sector		Requires the State Energy Resources Conservation and Development Commission to adopt a strategy, with milestones, to reduce emissions of greenhouse gases for the building sector. Requires the commission, in developing the strategy, to consult and collaborate with certain entities, to hold at least a specified number of public workshops, and to convene stakeholder sessions.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA AB 594 Maienschein (D)	Labor Code: Alternative Enforcement		Authorizes a public prosecutor, to prosecute an action, either civil or criminal, for a violation of specified provisions of the Labor Code. Authorizes the recovery of willful misclassification penalties by the employee as a statutory penalty pursuant to the informal hearing provisions or by the Labor Commissioner as a civil penalty through the issuance of a citation or pursuant to existing law that authorizes action on behalf of a person financially unable to employ counsel.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA AB 606 Mathis (R)	Endangered Species Act: Accidental Take: Farms		Relates to the California Endangered Species Act, which prohibits the taking of an endangered or candidate species. Provides that the accidental take of a candidate, threatened, or endangered species resulting from an act that occurs on a farm or a ranch in the course of otherwise lawful routine and ongoing agricultural activities is not prohibited by the Act. Requires the Department of Fish and Wildlife to conduct outreach to raise awareness of reporting requirement within the agricultural community.	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 609 Papan (D)	Office of Wildfire Technology Research and Development		Requires the Office of Wildfire Technology Research and Development to submit a report to the Legislature that assesses the feasibility of the Department of Forestry and Fire Protection and the Office of Emergency Services, working with the National Interagency Aviation Committee and the International Airtanker Board, to conduct an evaluation of innovative new aerial firefighting technologies and whether any new technologies exist that might meet CAL FIRE standards of water and retardant delivery systems.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 626 Pellerin (D)	Voting: Returning Vote by Mail Ballots in Person		Authorizes a voter to vote their vote by mail ballot without the identification envelope if the voter returns the ballot in person at the polling place designated for the voter's home precinct or a vote center, if specified conditions are met. Requires a ballot cast in this manner to be processed and counted like a nonprovisional ballot cast in person at the polling place or vote center.	07/03/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 627 Jackson (D)	Heavy-Duty Trucks: Grant Program: Requirements		Prohibits the operation of a heavy-duty diesel-fueled vehicle within the city limits of any city identified by the State Air Resources Board as a disadvantaged community and meeting specified air pollution criteria with respect to diesel particulate matter.	04/03/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on TRANSPORTATION.
CA AB 641 Fong (R)	Automobile Dismantlers: Catalytic Converters		Revises the definition of an automobile dismantler to include a person who keeps or maintains on property owned by the person, or under their possession or control, for any of the specified purposes, a certain number or more used catalytic converters that have been cut from a motor vehicle using a sharp implement. Makes a first violation of acting as an automobile dismantler due to possessing a certain number or more catalytic converters punishable as an infraction, and subsequent violations a misdemeanor.	08/22/2023: In SENATE. Read second time. To third reading.
CA AB 655 Petrie-Norris (D)	Fish and Wildlife: Aquatic Invasive Species: Caulerpa		Provides that no person shall sell, possess, import, transport, transfer, release alive in the State, or give away without consideration, the salt water algae of the genus <i>Caulerpa</i> . Provides that a person may possess, for bona fide scientific	07/27/2023: Chaptered by Secretary of State. Chapter No. 2023-119

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: *August 31, 2023*

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			research, as determined by the Department of Fish and Game, upon authorization by the department, the salt water algae of the genus <i>Caulerpa</i> .	
CA AB 664 Lee (D)	California Safe Drinking Water Act		Authorizes the State Water Resources Control Board to issue a citation to any person if the State Board determines that the person is in violation of the California Safe Drinking Water Act, or any regulation, permit, standard, or order issued or adopted under the act. Requires persons to reimburse the State Board for actual costs incurred by the State Water Board for specified enforcement activities related to that person.	06/26/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 668 Quirk-Silva (D)	Political Campaigns: Signs		States the intent of the Legislature to enact legislation related to the posting of political signs.	02/13/2023: INTRODUCED.
CA AB 669 Dixon (R)	Administrative Regulations		Makes nonsubstantive changes to findings and declarations of the Legislature relating to administrative regulations.	02/13/2023: INTRODUCED.
CA AB 671 Ward (D)	CalHome Program: Accessory Dwelling Units		Specifies that neither the CalHome Program nor any administrative rule or guideline implementing the CalHome Program precludes a community land trust from using CalHome Program funds to purchase residential real property in fee simple, to construct accessory dwelling units or junior accessory dwelling units on the property, and to separately lease each dwelling unit on the property to separate households or separately convey the dwelling units on separate parcels created pursuant to specified law.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 676 Bennett (D)	Water: General State Policy		Provides that existing law establishes various State water policies, including the policy that the use of water for domestic purposes is the highest use of water and that the next highest use is for irrigation. Specifies that the use of water for domestic purposes includes water use for human consumption, cooking, sanitary purposes, care of household livestock, animals, and gardens, fire	08/22/2023: In SENATE. Read second time. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			suppression and other safety purposes, and a purpose determined to be a domestic purpose as established by common law.	
CA AB 678 Alvarez (D)	Biomethane Procurement Targets or Goals		Requires Public Utilities Commission to consider adopting specific biomethane procurement targets or goals for each gas corporation and core transport agent. Provides that if the commission adopts the biomethane procurement targets or goals, the commission is required to authorize a core transport agent to have a gas corporation procure the core transport agent's proportionate share of biomethane in order to satisfy the biomethane procurement targets or goals.	08/15/2023: In SENATE. Read second time. To third reading.
CA AB 682 Mathis (R)	State Water Resources Control Board: Online Search Tool		Requires the State Water Resources Control Board to update the state board's online search tool for funding applications to include a description of the additional information the state board needs from a water system to continue processing the water system's application and a description of the typical steps that must be completed before a funding agreement can be executed after receipt of a complete application, among other information.	07/05/2023: In SENATE. Read second time. To third reading.
CA AB 687 Hart (D)	California Cannabis Authority		Provides that existing law requires the Department of Cannabis Control to establish a track and trace program for reporting the movement of cannabis and cannabis products throughout the distribution chain. Requires the track and trace program, if the sale of cannabis is conducted by delivery, to capture the ZIP Code of the delivery address. Requires the department to allow access to or to provide information contained within the electronic database to specified local agencies.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 707 Patterson J (R)	Information Practices Act: Commercial Purposes		Revises the definition of commercial purpose under the Information Practices Act of specified year to instead mean any purpose that has financial gain as an objective.	02/23/2023: To ASSEMBLY Committee on PRIVACY AND CONSUMER PROTECTION.
CA AB 726 Patterson J (R)	Information Practices Act: Definitions		Expands the term agency under the Information Practices Act of specified year to include any vendor or contractor of that agency.	02/23/2023: To ASSEMBLY Committee on PRIVACY AND CONSUMER PROTECTION.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 727 Weber A (D)	Product Safety: Cleaning Products and Floor Sealers	Support	Prohibits a person from manufacturing, selling, delivering, distributing, holding, or offering for sale in the State a cleaning product that contains regulated perfluoroalkyl and polyfluoroalkyl substances. Prohibits, beginning on specified date, a person from manufacturing, selling, delivering, distributing, holding, or offering for sale in the State a floor sealer or floor finish that contains regulated PFAS. Makes a violation of these provisions punishable by a civil penalty.	08/22/2023: In SENATE. Read second time. To third reading.
CA AB 730 Lowenthal (D)	Public Records Act: Public Agency Employees		Requires an agency to promptly provide a public agency employee with written notice of a request to disclose a record related to personnel, medical, or similar information of that employee. Requires the agency, before disclosing or making those records available, to provide not less than a specified number of days written notice to the employee of its intent to disclose or make the records available. Expands the definition of unusual circumstances.	03/09/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on JUDICIARY.
CA AB 735 Berman (D)	Workforce Development: Utility Careers	Support	Establishes the High Road Utility Careers (HRUC) program, to be administered by the Workforce Development Board, to connect existing resources with individuals interested in careers in the utility sector and ensure a continued reliable workforce for California utilities. Requires the board to administer the program through partnerships with statewide water, wastewater, and energy utility associations and to coordinate the program with existing and future programs and initiatives administered by the board.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 739 Lackey (R)	Public Retirement Systems: Defined Benefit Plans		Revises the conditions for suspending contributions to a public retirement system defined benefit plan to increase the threshold percentage amount of plan funding to more than 130%.	02/23/2023: To ASSEMBLY Committee on PUBLIC EMPLOYMENT AND RETIREMENT.
CA AB 740 Gabriel (D)	Department of General Services: Drone Cybersecurity		Requires the Department of General Services, in consultation with the Chief of the Office of Information Security, to adopt rules and regulations, by a specified date, to ensure that each unmanned aircraft and unmanned aircraft system used by a	04/19/2023: In ASSEMBLY Committee on ACCOUNTABILITY AND ADMINISTRATIVE REVIEW: Not heard.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			government entity, as defined, in part, to include local governmental entities, for any purpose meets appropriate safeguards to ensure the confidentiality, integrity, and availability of any data collected, transmitted, or stored by that unmanned aircraft or system.	
CA AB 743 Petrie-Norris (D)	Remote Online Notaries Public		Authorizes the Secretary of State to charge an applicant a fee for an application for registration in an amount necessary to administer the State Public Records Act. Authorizes an online notary public to perform notarial acts and online notarizations by means of audio communication. Provides that any instrument affecting the title to real property that is acknowledged by online notarization and properly indexed or copied in the proper book of record imparts effective notice under certain conditions.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 747 McCarty (D)	Business: Unlawful Employee Contracts and Requirements		Provides that existing law provides for a system of labor standards enforcement administered by the Labor Commissioner. Requires the Commissioner to enforce the prohibition against entering into a contract or contract term that requires a debtor to pay for a debt if the debtor's employment or work relationship with the employer is terminated. Requires the Attorney General and the Labor Commissioner to coordinate responsibility with respect to enforcement of those provisions.	06/01/2023: In ASSEMBLY. To Inactive File.
CA AB 749 Irwin (D)	State Agencies: Information Security: Uniform Standards		Requires every State agency, as defined and subject to specified exceptions, to implement Zero Trust architecture for all data, hardware, software, internal systems, and essential third-party software, including for on-premises, cloud, and hybrid environments, to achieve prescribed levels of maturity based on the Cybersecurity and Infrastructure Security Agency (CISA) Maturity Model by specified dates.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 753 Papan (D)	State Water Pollution Cleanup and Abatement Account		Creates the Waterway Recovery Account within the Waste Discharge Permit Fund. Requires the State Water Resources Control Board to allocate the Account moneys to each regional board on a proportional basis, based on moneys generated in each region. Requires the regional boards to allocate those moneys to	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			third parties for restoration projects, with priority given to third parties that will undertake projects with multiple benefits that provide greenspace within disadvantaged communities. Appropriates funds.	
CA AB 754 Papan (D)	Water Management Planning: Water Shortages		Relates to the Urban Water Management Planning Act. Requires a water shortage contingency plan to include, if, based on a description and quantification of each source of water supply, a single reservoir constitutes at least a specified percent of the total water supply, an identification of the dam and description of existing reservoir management operations, and, if the reservoir is owned and operated by the urban water supplier, a description of operational practices and approaches.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA AB 755 Papan (D)	Water: Public Entity: Water Usage Demand Analysis		Provides that existing law authorizes a public entity that supplies water at retail or wholesale within its service area to adopt and enforce a water conservation program. Requires a public entity to conduct a water usage demand analysis prior to completing, or as part of, a cost-of-service analysis conducted to set fees and charges for water service. Requires a public entity to identify, within the water usage demand analysis, the costs of water service for the highest users incurred by the public entity.	08/22/2023: In SENATE. Read second time. To third reading.
CA AB 759 Grayson (D)	Sanitary Districts		Authorizes funds to be withdrawn by a sanitary district treasurer or expended by a treasurer upon approval by the district board, signed by the president and secretary. Authorizes the board to adopt specified procedures to provide payment of demands and claims without prior approval by the board if a district treasurer determines the demands are payable within the district's approved budget. Requires board approval for any payment exceeding the district's approved budget.	06/29/2023: Chaptered by Secretary of State. Chapter No. 2023-19
CA AB 764 Bryan (D)	Local Redistricting		Requires a local jurisdiction, before adopting new district boundaries, to hold at least one public workshop and at least a specified number of public hearings, with specified exceptions. Requires a local jurisdiction to make available on its redistricting web page, within specified time frames, recordings or written	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			summaries of oral public comments made at workshops or public hearings, and written comments and draft maps.	
CA AB 779 Wilson (D)	Groundwater: Adjudication		Provides that existing law establishes various methods and procedures for a comprehensive adjudication of groundwater rights in civil court. Authorizes the court to refer the matter to the State Water Resources Control Board for investigation and report in order to assist the court in making findings pursuant to these provisions, and authorizes a party to request that the court refer the matter to the board for specified purposes.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 783 Ting (D)	Business Licenses: Single-User Restrooms		Requires a city, county, or city and county that issues business licenses, equivalent instruments, or permits within its jurisdiction to provide written notice to each applicant for a new or renewed business license, equivalent instrument, or permit of the requirement that all single-user toilet facilities in any business establishment, place of public accommodation, or government agency be identified as all-gender toilet facilities.	07/05/2023: In SENATE. Read second time. To third reading.
CA AB 788 Petrie-Norris (D)	Fire Prevention: Grant Programs: Reporting		Requires the Wildfire and Forest Resilience Task Force, on or before specified date, and annually thereafter, to compile and post on its internet website specified information relating to specified State and federal grant programs relating to fire prevention.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 805 Arambula (D)	Drinking Water Consolidation: Sewer Service		Authorizes the State Water Resources Control Board to order consolidation of sewer service along with an order of consolidation of drinking water systems when both of the receiving and subsumed water systems provide sewer service and after the state board engages in certain activities, including, but not limited to, consulting with the relevant regional water board and the receiving water system and conducting outreach to ratepayers and residents served by the receiving and subsumed water systems.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS. Held in committee and made a Two-year bill.
CA AB 809 Bennett (D)	Salmonid Population: California Monitoring Program Fund		Requires the Department of Fish and Wildlife to establish the California Monitoring Program to collect comprehensive data on anadromous salmonid populations to inform salmon and steelhead	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			recovery, conservation, and management activities. Authorizes the department to consult with local agencies, tribes, conservation organizations, and academic institutions to carry out monitoring efforts under the program. Establishes the California Monitoring Program Fund.	
CA AB 817 Pacheco (D)	Open Meetings: Teleconferencing: Subsidiary Body		Relates to the Ralph Brown Act. Authorizes a subsidiary body to use alternative teleconferencing provisions similar to the emergency provisions indefinitely and without regard to a state of emergency.	03/16/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on LOCAL GOVERNMENT.
CA AB 821 Grayson (D)	Planning and Zoning: General Plan: Zoning Ordinance		Provides that in the event that a zoning ordinance becomes inconsistent with a general plan due to an amendment to the general plan and a local agency receives a development application for a project that is not subject to specified provisions of law relating to housing development projects and that is consistent with the general plan but inconsistent with a zoning ordinance, the local agency is required to, among other options, amend the zoning ordinance within a specified number of days from the receipt.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA AB 824 Calderon (D)	Highway Greening: Statewide Strategic Plan		Enacts the Highway Greening Act, which would require the Department of Transportation to complete a statewide strategic plan to work to achieve at least a specified percent increase of green highways in urban areas, disadvantaged communities, and low-income communities by specified year. Requires the department to submit the plan to the Legislature and specified committees of the Legislature on or before specified date.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA AB 828 Connolly (D)	Sustainable Groundwater Management: Managed Wetlands		Authorizes any local agency or combination of local agencies overlying a groundwater basin to decide to become a groundwater sustainability agency for that basin and imposes specified duties upon that agency or combination of agencies. Provides that existing law grants a groundwater sustainability agency specified authority and authorizes a groundwater sustainability agency to regulate groundwater extraction using that authority.	04/17/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 830 Soria (D)	Lake and Streambed Alteration Agreements: Exemptions		Provides that existing law prohibits a person, a state or local governmental agency, or a public utility from substantially diverting or obstructing the natural flow of, or substantially changing or using any material from the bed, channel, or bank of, any river, stream, or lake. Exempts the temporary operation of existing infrastructure or temporary pumps being used to divert flood stage flows or near-flood stage flows to groundwater recharge as long as certain conditions are met.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 835 Lee (D)	State Fire Marshal: Building Standards: Single-Exit		Requires the State Fire Marshal to research standards for single-exit, single stairway apartment houses, with more than a specified number of dwelling units, in buildings above a specified number of stories and provide a report to specified legislative committees and to the California Building Standards Commission by specified date. Requires this report to address fire and life safety or emergency activities.	08/22/2023: In SENATE. Read second time. To third reading.
CA AB 836 Essayli (R)	Social Media Platform: First Amendment Forum		Declares that, notwithstanding any law, a social media platform, as defined, shall be considered a traditional First Amendment forum for those purposes, as specified. Requires a social media platform located in the State to develop a policy or mechanism to address content or communications that constitute unprotected speech, including obscenity, incitement of imminent lawless action, and true threats, or that purport to state factual information that is demonstrably false.	03/28/2023: In ASSEMBLY Committee on JUDICIARY: Not heard.
CA AB 837 Alvarez (D)	Surplus Land: Exempt Surplus Land		Provides, until specified date, that land that is subject to a sectional planning area is not subject to specified requirements for the disposal of surplus land if specified conditions are met. Requires a local agency that disposes of land pursuant to these provisions to submit a specified report to the Department of Housing and Community Development.	06/07/2023: To SENATE Committees on GOVERNANCE AND FINANCE and HOUSING.
CA AB 838 Connolly (D)	State Water Affordability and Infrastructure Act	Oppose	Requires, beginning on specified date, and thereafter at intervals determined by the State Water Resources Control Board, public water systems to provide specified information and data related to	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			customer water bills and efforts to replace aging infrastructure to the State Board.	
CA AB 841 Berman (D)	State Energy Resources Conservation and Development		Requires the State Energy Resources Conservation and Development Commission to submit to the Legislature an Industrial Heat Electrification Roadmap. Authorizes the commission to consult with the State Air Resources Board to include in the roadmap an estimate of the reductions in emissions of greenhouse gases and criteria air pollutants, and commensurate health benefits, from electrifying the identified industrial subsectors.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 844 Gipson (D)	Zero-Emission Trucks: Insurance		Requires the Department of Insurance to implement specific data collections on the availability and affordability of insurance for heavy-duty trucks and truck fleets. Requires the Insurance Commissioner to establish and maintain a link on the department internet website that provides public access to this information.	08/23/2023: In SENATE. Read second time. To third reading.
CA AB 868 Wilson (D)	Political Reform Act of 1974: Digital Political Ads		Enacts the Digital Advertisement Transparency and Accountability Act, or DATA Act. Requires a committee that pays for a digital advertisement to appear on an online platform to submit to the Fair Political Practices Commission a copy of the digital advertisement and specified information. Requires an online platform to transmit to the commission specified information regarding digital advertisements, and to retain the information for no less than a specified number of years for specified purposes.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 882 Davies (R)	Coastal Resources: State Coastal Conservancy		Permits the State Coastal Conservancy to authorize advance payments on a contract or grant awarded in accordance with the pilot program to explore possible improvements to the State's existing advance payment practices for State-funded assistance grants.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 885 Rivas (D)	Public Contracts: Nonprofit Organizations		Establishes the California Nonprofit Fairness in Contracting Act and would define, among other terms, covered contract to mean a contract for goods or services by a state or local agency using state funds, including a grant made by a state or local agency	04/19/2023: In ASSEMBLY Committee on ACCOUNTABILITY AND ADMINISTRATIVE REVIEW: Not heard.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			using state funds. Requires a state or local agency to, among other things, establish a preference for covered contracts that last longer than one year when awarding a covered contract to a nonprofit.	
CA AB 886 Wicks (D)	California Journalism Preservation Act		Requires an eligible digital journalism provider to spend at least a specified percent of funds received pursuant to the California Journalism Preservation Act on news journalists and support staff employed by the eligible digital journalism provider. Requires an eligible digital journalism provider with a specified number or fewer employees to spend at least a specified percent of funds received pursuant to these provisions on news journalists and support staff employed by the digital journalism provider.	07/03/2023: In SENATE. Read second time and amended. Re-referred to Committee on JUDICIARY.
CA AB 894 Friedman (D)	Parking Requirements: Shared Parking		Provides that the legislative body of a city or a county is authorized to adopt ordinances establishing requirements for parking. Provides that when an entity receiving parking is not using that parking to meet public automobile parking requirements, a public agency is required to allow entities with underutilized parking to share their underutilized parking with certain entities, if those entities submit a shared parking agreement and information identifying the benefits of the shared parking agreement.	08/28/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA AB 895 Chen (R)	Solid Waste: Management		Requires the State Air Resources Board to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state and to approve and begin implementing the strategy to achieve a reduction in the statewide emissions of methane by a specified percent below 2013 levels by specified year.	03/23/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
CA AB 900 Bennett (D)	Aquifer Recharge		Relates to law that requires the Natural Resources Agency to update every 3 years the State's climate adaptation strategy, known as the Safeguarding California Plan. Requires agencies to maximize specified objectives, including promoting the use of natural systems and natural infrastructure, when developing physical infrastructure to address adaptation. Adds aquifers as part of the meaning of natural infrastructure.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 914 Friedman (D)	California Environmental Quality Act: Review Time		Requires a State agency acting as the lead agency, until specified date, to complete its environmental review for an electrical infrastructure project and to approve or deny the project within a specified number of years of the submission and acceptance of a complete application for the issuance of a lease, permit, license, certificate, or other entitlement for use for electrical infrastructure to the State agency.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 916 Davies (R)	Administrative Procedure Act: Office of Administrative		Makes a nonsubstantive change to a provision of the Administrative Procedure Act.	02/14/2023: INTRODUCED.
CA AB 919 Kalra (D)	Residential Real Property: Sale of Rental Properties		Requires an owner of residential real property, defined to include a single-family residential property that is occupied by a tenant or a multifamily residential property to take various actions before offering the residential real property for sale to any purchaser, soliciting any offer to purchase the residential real property, or otherwise entering into a contract for sale of the residential real property.	02/23/2023: To ASSEMBLY Committees on JUDICIARY and HOUSING AND COMMUNITY DEVELOPMENT.
CA AB 920 Bryan (D)	Discrimination: Housing Status		Prohibits discrimination based upon housing status, as defined.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 923 Bauer-Kahan (D)	Flood Plain Restoration Projects: Central Valley: Study		Requires the Central Valley Flood Protection Board, in coordination with the Department of Water Resources, to identify priority flood plain restoration or floodway expansion projects where increased flows due to climate change are likely to overwhelm existing flood protection infrastructure. Requires the department and the board to conduct broad stakeholder outreach to identify priority projects and would require that those projects provide at least a specified number of public benefits.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 930 Friedman (D)	Local Government: Reinvestment in Infrastructure		Authorizes cities or counties to jointly form a Reinvestment in Infrastructure for a Sustainable and Equitable California district. Requires the standards developed by the Office of Planning and	04/26/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			Research to require a RISE development plan to provide that at least a specified percent of the funding received by the district be spent on infill supportive infrastructure, and to provide that at least a specified percent of the funds received by the district be spent on low or moderate income residential units.	
CA AB 932 Ting (D)	Accessory Dwelling Units: Accessory Dwelling Unit		Provides that the California Housing Finance Agency administers the Accessory Dwelling Unit Program for the purpose of assisting homeowners in qualifying for loans to construct accessory dwelling units and junior accessory dwelling units on the homeowners' property and increasing access to capital for homeowners interested in building accessory dwelling units. Requires the CalHFA to convene a working group to evaluate and develop recommendations for the program and to report findings by certain date.	08/29/2023: *****To GOVERNOR.
CA AB 933 Aguiar-Curry (D)	Privileged Communications: Incident of Sexual Assault		Provides that existing law makes certain publications and communications privileged and therefore protected from civil action, including complaints of sexual harassment by an employee, without malice, to an employer based on credible evidence. Includes among those privileged communications a communication made by an individual regarding an incident of sexual assault, harassment, or discrimination. Specifies the attorney's fees and damages available to a prevailing defendant in any defamation action.	06/15/2023: In SENATE. Read second time. To third reading.
CA AB 947 Gabriel (D)	California Consumer Privacy Act of 2018		Defines sensitive personal information for purposes of the California Consumer Privacy Act of 2018 to additionally include personal information that reveals a consumer's citizenship or immigration status.	07/05/2023: In SENATE. Read second time. To third reading.
CA AB 950 Maienschein (D)	Accessibility: Internet Websites		Relates to the Commission on Disability Access. Provides for damages based upon the inaccessibility of an internet website. Specifies that a website is presumed to provide equally effective communication for the purpose of determining whether an award of minimum statutory damages is warranted if the website, taking into account the variety of conforming implementations that may	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			be used to meet the website-related accessibility standard, complies with an internet website-related accessibility standard.	
CA AB 956 Alvarez (D)	California State Auditor: Background Checks		Provides that the California State Auditor shall require fingerprint images and related information from a prospective employee whose duties include or would include access to records, documents, or information, the disclosure of which is restricted by law from release to the public, confidential information gathered during the course of an investigation conducted pursuant to the California Whistleblower Protection Act, and access to cash, checks, and other accountable items. Appropriates funds.	07/21/2023: Chaptered by Secretary of State. Chapter No. 2023-094
CA AB 961 Dixon (R)	State Mandates: Claims		Relates to state mandates, claims. Changes the minimum claim amount to a specified amount.	02/23/2023: To ASSEMBLY Committee on LOCAL GOVERNMENT.
CA AB 965 Carrillo J (D)	Local Government: Broadband Permit Applications		Requires a local agency to undertake batch broadband permit processing upon receiving a specified number or more broadband permit applications for substantially similar broadband project sites submitted at the same time by the same applicant, within a presumptively reasonable time. Provides that, if a local agency denies a broadband permit application, the local agency is required to notify the applicant in writing of the reasons for the denial.	08/30/2023: In SENATE. Read third time and amended. To second reading.
CA AB 967 Flora (R)	California Safe Drinking Water Act: Definitions		Makes nonsubstantive changes to definitions to the California Safe Drinking Water Act.	02/14/2023: INTRODUCED.
CA AB 968 Grayson (D)	Single-Family Residential Property: Disclosures		Requires a seller of a single-family residential property who accepts an offer for the sale of the single-family residential property within a specified number of months from the date that title for the single-family residential property was transferred to the seller to disclose to the buyer specified information, including but not limited to repairs made to the property since title to the	07/21/2023: Chaptered by Secretary of State. Chapter No. 2023-095

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			property was transferred that were performed by a contractor and the name of each contractor.	
CA AB 969 Pellerin (D)	Elections: Voting Systems		Provides that existing law specifies procedures for manual vote counts for a semifinal official canvass in a precinct. Prohibits an elections official from performing a manual vote count in a semifinal official canvass pursuant to the specified procedures in any contest held on an established election date where there are more than a specified number of registered voters eligible to participate in that election as of a specified number of days in advance of the election.	08/21/2023: In SENATE. Read second time. To third reading.
CA AB 970 Rivas (D)	Insurance: Climate and Sustainability Insurance		Requires the Department of Insurance, upon appropriation, to establish and administer the Climate and Sustainability Insurance and Risk Reduction Program for the purpose of achieving specified goals, including developing proof of concepts that expand insurance options, especially in vulnerable and disadvantaged communities where climate risks are currently uninsured or underinsured. Establishes climate insurance pilot projects in specified local jurisdictions to reduce physical risks from flooding.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 975 Ta (R)	Public Nuisance Abatement: H Encampments		Requires a court to award attorney's fees to a prevailing plaintiff in an action to require a governmental entity to abate a public nuisance arising from a homeless encampment.	02/23/2023: To ASSEMBLY Committee on JUDICIARY.
CA AB 976 Ting (D)	Accessory Dwelling Units: Owner-Occupancy Requirements		Relates to the Planning and Zoning Law. Provides that existing law authorizes a local agency to require an accessory dwelling unit to be used for rentals of terms longer than a certain number of days. Authorizes a local agency to require terms that are a specified number of days or longer. Incorporates additional changes to Section 65852.2 of the Government Code proposed by AB 1033 to be operative only if this bill and AB 1033 are enacted and this bill is enacted last.	08/29/2023: In SENATE. Read second time. To third reading.
CA AB 983 Cervantes (D)	Surplus Land		Expands the category of exempt surplus land to include land that is designated in an adopted downtown revitalization plan not to	03/16/2023: In ASSEMBLY. Read second time and amended. Re-referred

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			exceed a specified number of square miles and includes residential, commercial, office, civic and hospitality uses.	to Committee on LOCAL GOVERNMENT.
CA AB 985 Arambula (D)	San Joaquin Valley Unified Air Pollution Control		Requires the State Air Resources Board to conduct an analysis of each credit identified in the San Joaquin Valley Unified Air Pollution Control District's ledger of available emission reduction credits to determine if any credits were issued in violation at the time of original issuance. Requires the district to aggregate and make available on its website specified information regarding permits issued during a specified time period that require or required the use of one or more emission reduction credits.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 989 Flora (R)	Local Government: Ordinances		Relates to existing law which prohibits the adoption by reference of any penalty clauses that may appear in any code that is adopted by reference. Makes non-substantive changes to this provision prohibiting adoption by reference of any penalty clause.	02/15/2023: INTRODUCED.
CA AB 995 Ting (D)	Electricity: Resource Adequacy Requirements: Reporting		Requires the Public Utilities Commission to calculate and publish biannually, rather than annually, on its internet website, in a new report or as part of another report, the percentage of each load-serving entity's local and system resource adequacy requirements from the previous calendar year that was met with capacity from eligible renewable energy resources, other zero-carbon resources, or energy storage resources.	02/23/2023: To ASSEMBLY Committee on UTILITIES AND ENERGY.
CA AB 998 Connolly (D)	Biomass Energy Facilities: State Energy Commission		Requires the State Energy Resources Conservation and Development Commission, on or before specified date to issue a report on the utility-scale biomass combustion facilities still in operation as of specified date. Requires the report to include various assessments of biomass combustion facilities still in operation as of specified date, and options to maximize the environmental benefits of these facilities.	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1004 Ta (R)	Initiative, Referendum, and Recall Petitions: Signature		Establishes a process for a voter whose signature on an initiative, referendum, or recall petition is rejected by an elections official to submit a statement to verify the signature. Requires officials to report to the Secretary of State the number of notices mailed to voters, the number of returned verification statements, and the	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			number of signatures successfully and unsuccessfully cured. Requires the Secretary to compile this data on an annual basis and post report information on its website.	
CA AB 1009 Flora (R)	Property Taxation		Makes nonsubstantive changes to existing law with respect to the collection of property taxes which provides that any county department, officer, or employee may refrain from collecting any tax, assessment, penalty or cost, license fees, or money owing to the county where the amount to be collected is at a specified amount.	02/15/2023: INTRODUCED.
CA AB 1012 Quirk-Silva (D)	State Air Resources Board: Mobile Source Regulations		Provides that existing law requires the State Air Resources Board to adopt and implement motor vehicle emission standards, in-use performance standards, and motor vehicle fuel specifications for the control of air contaminants. Requires the State Board, if it proposes a regulation to regulate an on-road mobile source, to prepare a lifecycle analysis of any technology required by the regulation, and in its discretion, any incumbent technology.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS. Held in committee and made a Two-year bill.
CA AB 1024 Aguiar-Curry (D)	Water Rights: Small Irrigation Use		Exempts an entity from the requirement to enter into a lake or streambed alteration agreement with the Department of Fish and Wildlife if the entity submits a State Water Resources Control Board-approved registration or renewed or amended registration for water use in specified counties to the department and the department determines certain requirements are met. Limits the number of these registrations to a specified amount for the first year of implementation.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA AB 1031 Rubio (D)	Employee Rest Periods		Relates to employees providing direct support to individuals with intellectual and developmental disabilities. Requires, if a nonexempt employee is affirmatively required to interrupt their rest period to respond to the needs of a consumer, that another rest period be authorized and permitted reasonably promptly after the circumstances that led to the interruption have passed.	03/23/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on LABOR AND EMPLOYMENT.
CA AB 1041 Ramos (D)	Wildlife: White Sage: Taking and Possession		Relates to existing law under which it is unlawful to uproot, remove, harvest, or cut dudleya from land owned by the state or a local government or from property not their own without written	02/23/2023: To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			permission from the landowner in their immediate possession, except as provided. Extends the same prohibitions to white sage and would subject a violation of those prohibitions to the same criminal penalties established for dudleya.	
CA AB 1049 Flora (R)	Protected Species: Incidental Take: Determinations		Makes a nonsubstantive change to the provision concerning the taking of an endangered species or threatened species listed pursuant to the federal Endangered Species Act.	02/15/2023: INTRODUCED.
CA AB 1072 Wicks (D)	Water Conservation and Efficiency: Low-Income		Declares that it is the policy of the State that all residents have access to water conservation and efficiency programs. Requires, on and after specified date, urban wholesale water suppliers and urban water suppliers to offer technical assistance and financial incentives to low-income residential customers to install efficient water conservation devices and climate resilient landscaping.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS. Held in committee and made a Two-year bill.
CA AB 1075 Gallagher (R)	State of Emergency: Governor's Powers and Termination		Authorizes the Governor to exercise within the area designated all executive power vested in the state by the Constitution and laws of the state to effectuate the purposes of the California Emergency Services Act. Requires that a state of emergency automatically terminates 60 days after the Governor's proclamation unless the Legislature extends it by a concurrent resolution.	03/02/2023: To ASSEMBLY Committee on EMERGENCY MANAGEMENT.
CA AB 1100 Low (D)	Employment: Workweek		Establishes the 32-hour Workweek Pilot Program under the administration of the Department of Industrial Relations to provide grants to employers with a specified number or more employees for the purposes of administering pilot programs that provide each employee the option to work a 32-hour workweek. Authorizes an employer to apply for a grant from the department by submitting a specified application that includes, among other things, a 12-month plan for the implementation of a 32-hour workweek.	04/03/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on LABOR AND EMPLOYMENT.
CA AB 1101 Flora (R)	Building Standards: Exterior Elevated Elements		Requires the board of an association of a condominium project to cause a visual inspection to be conducted of the exterior elevated elements for which the association has maintenance or repair responsibility. Provides that existing law requires the inspection	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			to be conducted by a licensed structural engineer or architect. Authorizes a Branch 3 registered company registered with the Structural Pest Control Board with a minimum of a specified number of years of experience to conduct the inspection.	
CA AB 1108 Calderon (D)	County Emergency Plans		Requires each county to review and update its emergency plan at least every 2 years.	03/02/2023: To ASSEMBLY Committee on EMERGENCY MANAGEMENT.
CA AB 1114 Haney (D)	Planning and Zoning: Housing Development Projects		Modifies the definition of postentitlement phase permit to include all building permits and other permits issued under the California Building Standards Code or any applicable local building code for the construction, demolition, or alteration of buildings, whether discretionary or nondiscretionary. Requires a local agency to return an approved permit application on each postentitlement phase permit requested for a housing development project, if the local agency makes a certain determination.	08/17/2023: In SENATE. From Consent Calendar. To third reading.
CA AB 1115 Papan (D)	Barry Keene Underground Storage Tank Cleanup Trust Fund		Provides that existing law authorizes the State Water Resources Control Board to pay claims from the Underground Storage Tank Cleanup Fund to aid owners and operators of petroleum underground storage tanks who take corrective action to clean up unauthorized releases from those tanks. Authorizes a claimant, who no longer has a copies of the required permits, to demonstrate compliance by certifying that the required permits had been obtained and by providing other relevant documents.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1121 Haney (D)	Public Works: Ineligibility List		Requires awarding authorities to submit to the Department of Industrial Relations electronic project registration database a list of ineligible contractors, as specified, pursuant to local debarment or suspension processes.	07/03/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1132 Friedman (D)	Solar Energy Systems: Permit Fees		Extends a repeal date to January 1, 2034, on the operation of the requirements imposed on a city or county in connection with those solar energy systems.	06/27/2023: In SENATE. Read second time. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1152 Patterson J (R)	Public Agencies: Causes of Action		Relates to the Planning and Zoning law, which generally requires that an action or proceeding challenging specified decisions of a public agency be commenced, and service made on the legislative body of the agency, within 90 days after the legislative body's decision. Stays any timing requirements associated with conditions of approval identified in a local zoning and planning decision during a lawsuit challenging a city, county, or city and county's zoning and planning decision.	04/10/2023: Re-referred to ASSEMBLY Committees on LOCAL GOVERNMENT and NATURAL RESOURCES.
CA AB 1155 Flora (R)	Wildfire Mitigation Plans: Vegetation Management		Relates to law that requires electrical corporations, local publicly owned electric utilities, and electrical cooperatives to prepare and update wildfire mitigation plans. Requires the standards for vegetation inspection in the plans for vegetation management to meet specific requirements related to visually assessing and inspecting trees.	03/16/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on UTILITIES AND ENERGY.
CA AB 1159 Aguiar-Curry (D)	State Global Warming Solutions Act of 2006		Provides that the California Global Warming Solutions Act of 2006 requires the Natural Resources Agency, in collaboration with specified entities, including the State Air Resources Board, to, among other things, determine an ambitious range of targets for natural carbon sequestration. Requires the board to additionally ensure that all greenhouse gas emissions reductions and removals used for any market-based compliance mechanism are in addition to any reductions and removals that would otherwise occur.	08/29/2023: Enrolled.
CA AB 1170 Valencia (D)	Political Reform Act of 1974: Filing Requirements		Relates to the Political Reform Act, which requires elected officials, candidates for elective offices, and committees formed primarily to support or oppose a candidate for public office or a ballot measure to file periodic campaign statements and certain reports concerning campaign finances and related matters. Permits a filing officer to retain a report or statement filed in a paper format as a copy on microfilm or other space-saving materials or as an electronic copy without a two-year waiting period.	03/23/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on ELECTIONS.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1176 Zbur (D)	General Plans: Local Electrification Planning Act		Provides for the Local Electrification Planning Act, which would require a city, county, or city and county to prepare and adopt a specified plan, or otherwise integrate a plan into the general plan that, among other things, identifies opportunities to expand electric vehicle charging to meet the needs of the city's, county's, or city and county's current and future visitors, residents, and businesses, and includes policies and implementation measures that address the needs of disadvantaged communities.	06/28/2023: In SENATE Committee on GOVERNANCE AND FINANCE: Not heard.
CA AB 1183 Holden (D)	Streamlined Housing Projects: Construction Permits		Relates to the Planning and Zoning Law, which authorizes a development proponent to submit an application for a multifamily housing development that is subject to a streamlined, ministerial approval process and not subject to a conditional use permit, under certain conditions. Provides that if a city or county approves a construction project through the expedited permitting, a sign of reasonable size and design shall be placed on the parcel in which the project is located that includes certain information.	03/14/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on LOCAL GOVERNMENT.
CA AB 1189 Gipson (D)	Pupil Instruction: Career Technical Education		Requires each school district maintaining any of grades 7 to 12, inclusive, to offer career technical education to all pupils in those grades.	03/23/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on EDUCATION.
CA AB 1195 Calderon (D)	Climate Change Preparedness and Resiliency		Establishes the Climate Change Preparedness, Resiliency, and Jobs for Communities Program, to be administered by the Strategic Growth Council, and requires the council to fund grants to develop and implement multibenefit, community-level, climate-beneficial projects to support community and landscape resiliency and workforce development.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1196 Villapudua (D)	Water Quality and Infrastructure Improvement		Makes a nonsubstantive change to a provision of the Water Quality, Supply, and Infrastructure Improvement Act of 2014.	02/16/2023: INTRODUCED.
CA AB 1204 Holden (D)	Contractors: Contracts: Restrictions		Relates to the Contractors' State License Law. Prohibits a specialty contractor from entering into a contract for the performance of work on the same single project or undertaking	08/22/2023: In SENATE. Read second time. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			with more than one subcontractor in the same license classification unless the subcontractor employs persons who are classified as employees to perform work in that license classification on the single project or undertaking or the specialty contractor is a signatory to a bona fide collective bargaining agreement.	
CA AB 1205 Bauer-Kahan (D)	Water Rights: Sale, Transfer, or Lease: Agricultural		Requires the State Water Resources Control Board to, on or before specified date, conduct a study and report to the Legislature and appropriate policy committees on the existence of speculation or profiteering by an investment fund in the sale, transfer, or lease of an interest in any surface water right or groundwater right previously put to beneficial use on agricultural lands.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1211 Mathis (R)	Safe Drinking Water State Revolving Fund		Relates to existing law which requires the State Water Resources Control Board, at least once every 2 years, to post information on its internet website regarding implementation of the Safe Drinking Water State Revolving Fund Law and expenditures from the Safe Drinking Water State Revolving Fund. Requires the board to post the information at least annually.	05/10/2023: To SENATE Committee on ENVIRONMENTAL QUALITY.
CA AB 1213 Ortega (D)	Workers' Compensation: Aggregate Disability Payments		Provides that this bill, until specified date, would require that if a denial of treatment requested by a treating physician is subsequently overturned by independent medical review or by the Workers' Compensation Appeals Board, any temporary disability paid or owing from the date of the denial until the treatment is authorized would not be included in the calculation of the aggregate disability payments.	07/03/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1216 Muratsuchi (D)	Wastewater Treatment Plants: Monitoring of Air		Requires the owner or operator of a wastewater treatment facility that is located within a specified distance of a residential area and has an original design capacity of a specified number of gallons or more per day to develop, install, operate, and maintain a wastewater treatment-related fence-line monitoring system approved by the appropriate air quality management district.	08/29/2023: In SENATE. Read second time. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			Requires the owner or operator of to be responsible for specified costs related to the monitoring system.	
CA AB 1218 Lowenthal (D)	Development Projects: Demolition		Relates to the Housing Crisis Act of 2019. Expands the demolition of residential dwelling units prohibitions to prohibit an affected city or affected county from approving any development project that will require the demolition of occupied or vacant protected units, or that is located on a site where protected units were demolished in the previous specified number of years, unless specified conditions are met.	08/15/2023: In SENATE. Read second time. To third reading.
CA AB 1235 Ortega (D)	Property Taxation: New Construction		Makes a nonsubstantive change to provisions of property tax law pertaining to new construction.	02/16/2023: INTRODUCED.
CA AB 1236 Grayson (D)	Fire Protection: Residential Fire Sprinklers		States the intent of the Legislature to enact subsequent legislation that would identify a consistent and safe minimum size of residential fire sprinklers that would reduce costs for homeowners and property owners.	02/16/2023: INTRODUCED.
CA AB 1243 Essayli (R)	Property Taxation: Exemptions		Relates to the California Constitution which exempts from taxation, among other types of property, growing crops, property used for free public libraries and free museums, property used exclusively for public schools, community colleges, state colleges, and state universities, and property belonging to the state or a local government. Makes nonsubstantive changes to the statutory provisions implementing those exemptions.	02/16/2023: INTRODUCED.
CA AB 1244 Holden (D)	Private Security Services and Private Investigators		Requires the holder of a qualified manager certificate who wishes to be associated with more than one private investigator license other than their own to apply to the Bureau of Security and Investigative Services for a qualified manager license. Requires any person acting as a qualified manager of an additional private investigator license to hold a qualified manager license issued by the bureau. Requires the bureau to issue a license to an applicant upon satisfaction of certain requirements.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1246 Nguyen (D)	Public Employees' Retirement System Optional Settlement		Provides that existing law permits a member of the Public Employees' Retirement System to elect from among several other optional settlements for the purpose of structuring their retirement allowance. Permits a member who elected to receive a specified optional settlement at retirement, if the member's former spouse was named as beneficiary and a legal judgment awards only a portion of the interest in the retirement system to the member, to elect to add their new spouse as the beneficiary.	07/03/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1248 Bryan (D)	Local Redistricting: Independent Commissions		Requires a county, general law city, charter city, or charter city or county with over a specified number of residents, and a school district or community college district with over a specified number of residents, that does not enact an ordinance, resolution, or charter amendment establishing an independent redistricting commission by specified date of certain years, to establish an independent redistricting commission according to specified procedures.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1267 Ting (D)	Zero-Emission Vehicle Incentive Programs		Requires the State Air Resources Board, upon appropriation by the Legislature, to ensure that beginning on specified date, an additional incentive, to be known as a superuser incentive, is awarded under a zero-emission vehicle incentive program that is administered or funded by the State Board to a gasoline superuser who otherwise qualifies for an incentive under the zero-emission vehicle incentive program.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1269 Schiavo (D)	Fire Insurance		States the intent of the Legislature to enact legislation to require fire insurance companies to send notifications to their insureds about how they can qualify for discounts on their fire insurance.	02/16/2023: INTRODUCED.
CA AB 1272 Wood (D)	State Water Resources Control Board: Drought Planning		Requires the State Water Resources Control Board, in consultation with the Department of Fish and Wildlife, to adopt principles and guidelines for diversion and use of water in coastal watersheds during times of water shortage for drought preparedness and climate resiliency. Authorizes the state board to issue a cease and desist order when a diversion or use violates or	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			threatens to violate an applicable principle or guideline adopted by the state board for the diversion and use of water.	
CA AB 1278 Rodriguez (D)	Workers Compensation: Medical Provider Networks		Allows an injured employee to authorize their primary treating physician to request an electronic copy of any notification that an injury is subject to a medical provider network or that an employee is required to transfer treatment to an MPN.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1284 Ramos (D)	Tribal Ancestral Lands and Waters: Cogovernance		Provides that the Legislature encourages the Natural Resources Agency, and its departments, conservancies, and commissions, to enter into cogovernance and comangement agreements with federally recognized tribes.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS. Held in committee and made a Two-year bill.
CA AB 1290 Rivas (D)	Product Safety: Plastic Packaging: Substances	Support	Prohibits, beginning on specified date, a person from manufacturing, selling, offering for sale, or distributing in the State opaque or pigmented polyethylene terephthalate bottles and plastic packaging that contains certain chemicals, pigments, or additives. Excludes from that prohibition packaging used for certain medical, drug, and federally regulated products. Authorizes the imposition of a civil penalty for a violation of that prohibition.	05/31/2023: In ASSEMBLY. To Inactive File.
CA AB 1297 Quirk-Silva (D)	Public Restrooms		Requires each local government to complete an inventory of public restrooms owned and maintained by the local government that are available to the general population in its jurisdiction. Requires governments to report their findings to the State Department of Public Health, which would be required to compile the information and to report the availability of public restrooms to the Legislature. Requires the Legislature to consider the report when evaluating the public's access to reliable public restrooms.	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1306 Carrillo (D)	State Government: Immigration Enforcement		Repeals requirement that the Department of Corrections and Rehabilitation cooperate with the U.S. Department of Homeland Security by providing the use of prison facilities, transportation, and general support, as needed, for the purposes of conducting and expediting deportation hearings and subsequent placement of deportation holds on undocumented immigrants who are incarcerated in State prison.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1307 Wicks (D)	California Environmental Quality Act: Noise Impact		Specifies that the effects of noise generated by project occupants and their guests on human beings is not a significant effect on the environment for residential projects for purposes of the California Environmental Quality Act. Specifies that institutions of public higher education, in an environmental impact report for a residential or mixed-use housing project, are not required to consider alternatives to the location of the proposed project if certain requirements are met.	08/29/2023: Enrolled.
CA AB 1317 Carrillo (D)	Unbundled Parking		Requires the owner of qualifying residential property that provides parking with the qualifying residential property to unbundle parking from the price of rent. Prohibits the breach of a separately leased parking agreement from forming the basis of any unlawful detainer action against the tenant. Authorizes a property owner, if a tenant fails to pay by the specified day following the date payment is owed for a separately leased parking space, to revoke that tenant's right to lease that parking spot.	07/10/2023: In SENATE. Read second time. To third reading.
CA AB 1318 Rivas (D)	California Environmental Quality Act: Exemption		Expands the CEQA exemption by increasing the size of a residential project that would qualify for the exemption to include a project of not more than 5 acres in total area.	05/31/2023: To SENATE Committees on ENVIRONMENTAL QUALITY and HOUSING.
CA AB 1322 Friedman (D)	Pesticides: Second-Generation Anticoagulant		Provides that existing law requires the Director of Pesticide Regulation, and each county agricultural commissioner under the direction and supervision of the director, to enforce the provisions regulating the use of pesticides. Prohibits the use of diphacinone in a wildlife habitat area. Authorizes these restrictions to include a requirement to implement alternatives, such as integrated pest management, before the use of second-generation anticoagulant rodenticides.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1332 Carrillo J (D)	Accessory Dwelling Units: Preapproved Plans		Provides that the Planning and Zoning Law authorizes a local agency to provide for the creation of accessory dwelling units in areas zoned for residential use. Requires each local agency to develop a program for the preapproval of accessory dwelling unit	08/30/2023: In SENATE. Read second time. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			plans. Requires the local agency to post preapproved accessory dwelling unit plans and the contact information of the applicant on the local agency's internet website.	
CA AB 1337 Wicks (D)	State Water Resources Control Board: Water Diversion		Expands the instances when the diversion or use of water is considered a trespass. Authorizes the State Water Resources Control Board to issue a curtailment order for any diversion, regardless of basis of right, when water is not available under the diverter's priority of right. Requires the board to adopt regulations to implement this provision.	07/10/2023: In SENATE Committee on NATURAL RESOURCES AND WATER: Not heard.
CA AB 1348 Grayson (D)	State Government: Controller: Claims Audits		Relates to the Government Claims Act, which requires the presentation of all claims for money or damages against local public entities and the State. Authorizes the Controller to conduct financial and compliance audits as the Controller's office deems as necessary for purposes of ensuring that any expenditures are expended in a manner consistent with the law and the voters' intent. Requires the Controller to provide a report with specified information from these audits to the Legislature.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1349 Irwin (D)	Electric Vehicle Charging Station Networks: Data Fields		Requires owners, operators, and infrastructure developers of electric vehicle charging stations, except for charging stations located at residential dwellings, for which those parties are awarded a State grant to support the electric vehicle charging stations to ensure that specified data fields for the owner's or operator's entire network of electric vehicle charging stations in the State are made available, free of charge, to third-party software developers through an application programming interface.	07/03/2023: In SENATE Committee on ENERGY, UTILITIES AND COMMUNICATIONS: Not heard.
CA AB 1355 Valencia (D)	Employment: Benefits: Electronic Notice and Documents		Provides that the Earned Income Tax Credit Information Act requires an employer to notify all employees that they may be eligible for the federal and California earned income tax credit by handing specified documents directly to the employee or mailing the specified documents to the employee's last known address. Authorizes the employer to provide the notification via email to	06/29/2023: In SENATE. From Consent Calendar. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			an employee's email account, if the employee affirmatively, and in writing or by electronic acknowledgment, opts in.	
CA AB 1356 Haney (D)	Relocations, Terminations, and Mass Layoffs		Prohibits an employer from ordering a mass layoff, relocation, or termination at a covered establishment unless the employer gives prescribed written notice. Modifies the requirement for notice to the local workforce investment board and the chief elected official of each city and county government within which the termination, relocation, or mass layoff occurs to apply only to a termination, relocation, or mass layoff that impacts a specified number or more employees at a single location.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1364 Carrillo J (D)	Fish and Wildlife Protection and Conservation		Makes nonsubstantive changes pertaining to lake or streambed alterations.	02/17/2023: INTRODUCED.
CA AB 1365 Ortega (D)	Workforce Development: Grocery Industry		Requires the Labor and Workforce Development Agency to develop a labor-management training partnership to identify workforce training methods appropriate for the grocery industry.	03/09/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on LABOR AND EMPLOYMENT.
CA AB 1374 Alvarez (D)	Greenhouse Gas Reduction Fund: Investment Plan		Relates to existing law which requires the investment plan to allocate a minimum of 25% of the available moneys in the Greenhouse Gas Reduction Fund to projects located within, and benefiting individuals living in, disadvantaged communities and an additional minimum of 5% to projects that benefit low-income households or to projects located within, and benefiting individuals living in, low-income communities located anywhere in the state. Increases those amounts from 25% to 50% and from 5% to 15%.	03/02/2023: To ASSEMBLY Committee on NATURAL RESOURCES.
CA AB 1379 Papan (D)	Open Meetings: Local Agencies: Teleconferences		Relates to teleconferencing. Requires a legislative body electing to use teleconferencing to post agendas at a singular designated physical meeting location, as defined, rather than at all teleconference locations.	03/23/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on LOCAL GOVERNMENT.
CA AB 1401 Garcia E (D)	Low Carbon Fuel Standard Regulations		Requires the State Air Resources Board, in administering the Low Carbon Fuel Standard, to deem a Tier 2 pathway application	03/13/2023: In ASSEMBLY. Read second time and amended. Re-referred

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			certified under specified circumstances. Requires the State Board to authorize the sale, offer for sale, or supply of alternative diesel fuel for use in the State that contains up to a specified percent biodiesel by volume.	to Committee on TRANSPORTATION.
CA AB 1414 Kalra (D)	Civil Actions: Consumer Debt		Relates to consumer debt. Requires a creditor in an action alleging a book account to have in the creditor's possession records of all debits and credits forming each and every transaction used to determine the amount alleged to be due if the obligation, incurred on or after specified date, is not initially payable on the face of a note or contract. Excludes consumer debt from the definition of book account.	07/10/2023: In SENATE. Read second time and amended. To third reading.
CA AB 1423 Schiavo (D)	Product Safety: PFAS: Artificial Turf		Provides that the Department of Toxic Substances Control’s Safer Consumer Products Program implements the Green Chemistry Program pursuant to the Safer Consumer Products regulations. Provides that if the department adopts regulations pursuant to these provisions that conflict with prohibitions concerning regulated PFAS, enforcement mechanisms, or requirements to replace regulated PFAS with the least toxic alternative, then those regulations adopted by the department shall prevail.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1425 Chen (R)	Health Care: Employers		Makes technical, nonsubstantive changes to existing law which requires employers to provide specified information to health care providers or health insurers regarding employees who were terminated on or after a certain date, and who were enrolled in an employer-offered health care service plan or health insurance policy on or after a certain date, as specified.	02/17/2023: INTRODUCED.
CA AB 1431 Zbur (D)	Housing: The California Housing Security Act		Establishes the California Housing Security Program to provide a housing subsidy to eligible persons to reduce housing insecurity and help Californians meet their basic housing needs.	03/23/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on HOUSING AND COMMUNITY DEVELOPMENT.
CA AB 1453 Dixon (R)	Coastal Resources: State Coastal Conservancy: Grants		Requires the State Coastal Conservancy, on or before a specified date, upon appropriation by the Legislature, to establish a 5-year program to provide grants for specified activities, including	03/09/2023: To ASSEMBLY Committee on NATURAL RESOURCES.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			funding regular cleanups of beaches and the waterways that empty into them. Requires the conservancy, on or before a specified date, to develop a report reviewing the efficacy of this program and submit the report to the Legislature as well as make it available on the conservancy's internet website.	
CA AB 1460 Bennett (D)	Local Government		Makes a nonsubstantive change to the provision naming the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.	02/17/2023: INTRODUCED.
CA AB 1463 Lowenthal (D)	Automated License Plate Recognition Systems: Retention		Provides that existing law authorizes the Department of the California Highway Patrol to retain license plate data captured by license plate reader technology, also referred to as an automated license plate recognition (ALPR) system, for not more than 60 days unless the data is being used as evidence or for the investigation of felonies. Prohibits ALPR operators and end-users from accessing ALPR information that is older than a specified number of days, with specified exceptions.	07/11/2023: In SENATE Committee on JUDICIARY: Reconsideration granted.
CA AB 1465 Wicks (D)	Nonvehicular Air Pollution: Civil Penalties		Provides that existing law establishes maximum civil penalties for a person who violates air pollution laws from nonvehicular sources. Requires, in assessing penalties, that health impacts, community disruptions, and other circumstances related to the violation be considered. Requires that civil penalties for a violation be assessed and recovered in a civil action brought by the Attorney General, by any district attorney, or by the attorney for any district in which the violation occurs.	08/22/2023: In SENATE. Read second time. To third reading.
CA AB 1476 Alvarez (D)	Community Redevelopment Law of 2023		Requires the Director of Finance to adjust the percentage of General Fund revenues appropriated for school districts and community college districts for certain purposes in a manner that ensures that the division of taxes authorized by the Community Redevelopment Law of 2023 have no net fiscal impact upon the total amount of the General Fund revenue and local property tax revenue allocated to school districts and community college districts.	04/26/2023: From ASSEMBLY Committee on HOUSING AND COMMUNITY DEVELOPMENT: Do pass to Committee on APPROPRIATIONS.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1484 Zbur (D)	Temporary Public Employees		Relates to the Meyers-Miliias-Brown Act. Requires a public employer to, upon hire, provide each temporary employee with their job description, wage rates, and eligibility for benefits, anticipated length of employment, and procedures to apply for open, permanent positions. Requires complaints alleging a violation of its provisions to be processed as unfair practice charges under the act.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1488 Wallis (R)	Environmental Quality Act: Environmental Leadership		Extends the application of the Jobs and Economic Improvement Through Environmental Leadership Act to water storage projects, water conveyance projects, and groundwater recharge projects that provide public benefits and drought preparedness.	03/23/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
CA AB 1490 Lee (D)	Affordable Housing Development Projects: Adaptive Reuse		Relates to law requiring the Department of Housing and Community Development to give priority with respect to funding under the Multifamily Housing Program to projects that prioritize adaptive reuse in existing developed areas served with public infrastructure. Authorizes an agency to deny the project if it is proposed to be located on a site or adjoined to any site where any of the square footage on the site is dedicated to industrial use and if approving it would have an adverse effect on public health.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1491 Grayson (D)	Environmental Quality Act: Master Impact Report		Makes nonsubstantive changes to the provision of law which requires a lead agency to prepare, or cause to be prepared, and certify the completion of an environmental impact report 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.	02/17/2023: INTRODUCED.
CA AB 1493 Carrillo (D)	Civil Service: Career Development Apprenticeship		Requires the Department of Human Resources to administer and oversee the Career Development Apprenticeship Program, which would provide an alternative to the traditional civil service examination and appointment process. Requires the department to implement the program, including establishing eligibility criteria for participation, special job classifications or position tenure and status designations, alternative examination and appointment types, and appeal procedures.	04/26/2023: In ASSEMBLY Committee on PUBLIC EMPLOYMENT AND RETIREMENT: Not heard.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1500 Irwin (D)	Property Taxation: Application of Base Year Value		Authorizes the owner of property substantially damaged or destroyed by a disaster to apply the base year value of that property to replacement property reconstructed on the same site of the damaged or destroyed property within a specified number of years after the disaster if the reconstructed property is comparable to the substantially damaged or destroyed property. Extends the time period if the property was substantially damaged or destroyed by the 2018 Woolsey Fire or by the 2018 Camp Fire.	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1504 McCarty (D)	Planning and Zoning: Electric Vehicle Charging		Requires local agencies to complete a plan for the installation of electric vehicle charging stations in the public right-of-way that includes, but is not limited to, a permitting process. Provides that in developing the plan and permitting process, the bill would require local agencies to take specified actions.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1516 Kalra (D)	Labor and Workforce Development Agency: Working Group		Requires the Labor and Workforce Development Agency to convene a working group to study and evaluate topics related to the minimum wage in the State.	05/31/2023: In ASSEMBLY. To Inactive File.
CA AB 1519 Bains (D)	Vehicles: Catalytic Converters		Relates to law prohibits a motor vehicle dealer or retail seller from selling any motor vehicle that is not in compliance with the requirements enumerated in the Vehicle Code. Prohibits any person, except as exempted, from removing, altering, or obfuscating the vehicle identification number that has been added to a catalytic converter, or from knowingly possessing a specified number or more catalytic converters that have been so altered. Provides that a violation would be punishable as a misdemeanor.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1528 Gipson (D)	Housing Authorities: Property Taxation		Specifies that property held by a nonprofit public benefit corporation that is controlled by a housing authority is exempt from taxation. Requires any outstanding ad valorem tax, interest, or penalty that was levied on the property of a housing authority to be canceled, and any tax, interest, or penalty levied that was paid prior to specified date to be refunded.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1530 Ortega (D)	Public Employment: Communication with Representatives		Requires public employers to ensure recognized exclusive representatives have safe or trusted email sender access. Prohibits public employers from using technology to interfere with or prevent email communications between public employees and their recognized representatives.	04/12/2023: In ASSEMBLY Committee on PUBLIC EMPLOYMENT AND RETIREMENT: Not heard.
CA AB 1534 Irwin (D)	Methane Emissions: Municipal Solid Waste Landfills		Requires the State Air Resources Board, no later than a specified date, to evaluate and, if feasible and to the extent data is available, revise regulations to incorporate the use of methane remote sensing data.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1535 Mathis (R)	The Energy, Environment, and Economy Council		Creates the Energy, Environment, and Economy Council with 16 members, as specified. Requires the council to engage with stakeholders, subject matter experts, and state and local agencies with jurisdiction relevant to environmental protection and economic vitality in order to determine the policies that can be implemented to meet the state's environmental goals, while avoiding harm to the state's economy and maintaining specified protections.	03/09/2023: To ASSEMBLY Committees on NATURAL RESOURCES and UTILITIES AND ENERGY.
CA AB 1538 Muratsuchi (D)	Clean Energy Reliability Program		Establishes the Clean Energy Reliability Program, to be administered by the Public Utilities Commission, upon appropriation, to provide incentive payments to qualifying load-serving entities that exceed procurement targets for eligible resources established by the commission. Requires an entity to remit incentive payments to its customers as a bill credit or use the payment in a manner determined by the commission to reduce ratepayer costs arising from the additional procurement of eligible resources.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1545 Santiago (D)	Satellite Wagering Facilities: Employees		Relates to law that requires a satellite wagering facility or an organization formed to operate an audiovisual signal system for racing programs, or any of their subcontractors or entities under contract to perform functions in respect to these activities, to enter into a written contractual agreement with a bona fide labor organization for specified employees. Provides that this	03/09/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on GOVERNMENTAL ORGANIZATION.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			requirement does not apply to State employees or State supervisory, managerial, or confidential employees.	
CA AB 1546 Gabriel (D)	CA Consumer Privacy Act of 2018: Statute of Limitations		Requires an action by the Attorney General to enforce the California Consumer Privacy Act to be commenced within a specified number of years after the cause of action accrued.	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1550 Bennett (D)	Green Hydrogen		Prohibits green hydrogen used by a generating facility from qualifying as an eligible renewable energy resource for purposes of that requirement, with exceptions. Relates to all hydrogen produced and used in California for the generation of electricity or fueling of vehicles shall be green hydrogen in furtherance of the state's policy to achieve net zero greenhouse gas emissions as soon as possible.	06/01/2023: In ASSEMBLY. To Inactive File.
CA AB 1554 Patterson J (R)	California Environmental Quality Act: Exemption		Exempts expressly from the California Environmental Quality Act (CEQA) a project reduction of fuels in areas within moderate, high, and very high fire hazard severity zones, as provided.	04/24/2023: In ASSEMBLY Committee on NATURAL RESOURCES: Not heard.
CA AB 1563 Bennett (D)	Groundwater Sustainability Agency: Extraction Permits		Provides that the Sustainable Groundwater Management Act requires all groundwater basins designated as high or medium-priority basins by the Department of Water Resources to be managed under a groundwater sustainability plan or coordinated plans, with specified exceptions. Requires a county to forward permit requests for the construction of new groundwater wells, the enlarging of existing wells, and the reactivation of abandoned wells to the groundwater sustainability agency before permit approval.	07/12/2023: In SENATE Committee on GOVERNANCE AND FINANCE: Not heard.
CA AB 1567 Garcia E (D)	Safe Drinking Water, Wildfire Prevention, Drought Prep	Support	Enacts the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds in a specified amount to finance projects for safe drinking water, wildfire prevention, drought preparation, flood protection,	06/14/2023: To SENATE Committees on NATURAL RESOURCES AND WATER and GOVERNANCE AND FINANCE.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			extreme heat mitigation, clean energy, and workforce development programs.	
CA AB 1572 Friedman (D)	Potable Water: Nonfunctional Turf		Prohibits the use of potable water, for the irrigation of nonfunctional turf located on commercial, industrial, and institutional properties, other than a cemetery, and on properties of homeowners' associations, common interest developments, and community service organizations or similar entities. Authorizes the State Water Resources Control Board to create a form for compliance certification and requires owners of covered properties to certify their compliance.	08/28/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1573 Friedman (D)	Water Conservation: Landscape Design: Model Ordinance		Provides that the Water Conservation in Landscaping Act provides for a Model Water Efficient Landscape Ordinance that is adopted and updated at least every specified number of years. Requires the updated model ordinance to include provisions that, among other changes, prohibit the use of traditional overhead sprinklers on all new and rehabilitated landscapes and require that new and rehabilitated landscapes use only water efficient irrigation devices.	08/28/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1580 Carrillo J (D)	Air Pollution: Electric Vehicle Infrastructure		Requires the State Energy Resources Conservation and Development Commission and the Department of Transportation, on or before specified date, to jointly develop a California National Electric Vehicle Infrastructure Program Roadmap that is consistent with federal requirements and guidance provided by the federal National Electric Vehicle Infrastructure Formula Program and that only includes projects receiving funding under that federal program.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1581 Kalra (D)	Diversion or Obstruction of Rivers, Streams, or Lakes		Exempts certain individuals, agencies, universities, zoological gardens, and institutions authorized to import, export, take, or possess any endangered, threatened, or candidate species for scientific, educational, or management purposes from the required agreement with the Department of Fish and Wildlife. Requires entities to submit to the department a written notification, fee, and	06/14/2023: To SENATE Committee on NATURAL RESOURCES AND WATER.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			a copy of proposed environmental protection measures authorized by other agencies' habitat restoration permits.	
CA AB 1594 Garcia E (D)	Medium and Heavy-Duty Zero-Emission Vehicles: Public	Support	Requires any State regulation that seeks to require, or otherwise compel, the procurement of medium and heavy-duty zero-emission vehicles to authorize public agency utilities to purchase replacements for traditional utility-specialized vehicles that are at the end of life when needed to maintain reliable service and respond to major foreseeable events, including severe weather, wildfires, natural disasters, and physical attacks.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1595 Bryan (D)	Elections: Eligibility to Vote		Removes statutory references to the disqualification of electors while serving a State or federal prison term for the conviction of a felony. Allows an elector currently serving in a State or federal prison to vote based on their last voluntary residence in the State. Requires an elections official to provide the incarcerated elector with the voting materials required to be sent to a vote by mail voter to the location where the elector is incarcerated.	06/01/2023: In ASSEMBLY. To Inactive File.
CA AB 1596 Alvarez (D)	Watershed Clean Beaches and Water Quality Act		Requires, in regard to the Watershed, Clean Beaches, and Water Quality Act, the State Water Resources Control Board, to the extent feasible, to identify and implement projects to improve beach access and address ocean water quality on public beaches that experience significant restrictions of use, as defined, due to bacteria levels that exceed public health standards, whether the source is from urban runoff or transboundary flows.	03/09/2023: To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
CA AB 1597 Alvarez (D)	Water Quality: California-Mexico Cross-Border Rivers		Authorizes funds to be made available to the North American Development Bank for loans, grants, and direct expenditures to address water quality problems arising in the California-Mexico cross-border rivers. Authorizes grant funding to be conditioned on enforceability and accountability mechanisms agreed upon by the North American Development Bank and the recipient, with the concurrence of the State Water Resources Control Board.	06/22/2023: In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
CA AB 1609 Garcia E (D)	Air Pollution: Motor Vehicle Registration: Pollution		Imposes an additional annual charge on each motor vehicle registered in the State except those vehicles that are expressly exempted from the payment of registration fees, thereby imposing	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			a tax. Authorizes the Department of Motor Vehicles to withhold up to a specified percent of the annual revenues collected from the charge to cover its administrative costs. Authorizes an air district to use not more than a specified percent of the revenues distributed to the air district for its administrative costs.	
CA AB 1611 Lowenthal (D)	Fish and Game Code: Violations		Provides that existing law generally makes any violation of the Fish and Game Code or any rule, regulation, or order made or adopted under the code a misdemeanor. Makes the violation of specified regulations and provisions of the code, primarily relating to commercial fishing, an infraction or a misdemeanor.	07/27/2023: Chaptered by Secretary of State. Chapter No. 2023-129
CA AB 1613 Bains (D)	Sacramento-San Joaquin Delta: Salinity Intrusion		Enacts the Salinity Intrusion in the Delta Act. Requires, subject to an appropriation of funds by the Legislature, the Department of Water Resources, in consultation with the State Water Resources Control Board, the Department of Fish and Wildlife, the federal Bureau of Reclamation, and the United States Fish and Wildlife Service, to construct, operate, and maintain barriers at the identified strategic locations.	03/16/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
CA AB 1621 Calderon (D)	Public Water System: Operation		Makes nonsubstantive changes to the provision that prohibits any person from operating a public water system unless that person first submits an application to the State Water Resources Control Board and receives a permit.	02/12/2023: INTRODUCED.
CA AB 1623 Muratsuchi (D)	Electricity: Resource Adequacy Requirements		Requires the Public Utilities Commission, or before specified date to submit to the Legislature a report assessing the regulatory barriers, if any, to the rapid deployment of energy storage resources in California.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1625 Hart (D)	Public Contracts: Payment		Makes nonsubstantive changes to the provision that sets forth the requirements for competitive bidding on various types of contracts awarded by local agencies.	02/12/2023: INTRODUCED.
CA AB 1627 Lee (D)	State Safe Drinking Water Act		Relates to the California Safe Drinking Water Act, which requires the State Water Resources Control Board to regulate specified water systems and maintain specified primary drinking water standards. Revises the definition of a public water system to apply	08/30/2023: *****To GOVERNOR.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			to a system that regularly serves an average of at least a specified number of individuals daily at least a specified number of days out of the year.	
CA AB 1628 McKinnor (D)	Microfiber Filtration		Requires that all new washing machines sold or offered for sale in the State for residential, commercial, or State use contain a microfiber filtration system with a mesh size not greater than a specified size, and bear a label with a specified consumer notice. Requires the washing machine manufacturer to provide a certificate of compliance with these provisions to persons that sell or distribute the washing machines in the State.	08/28/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1631 Schiavo (D)	Water Resources: Permit to Appropriate: Application		States that if the State Water Resources Control Board has not rendered a final determination on an application for a permit to appropriate water for a beneficial use or uses that include mining use within 30 years from the date the application was filed, it would require the board to issue a new notice and provide an opportunity for protests before rendering a final determination, with specified exceptions.	08/15/2023: In SENATE. Read second time. To third reading.
CA AB 1635 Ward (D)	Pupil Instruction: Internship Based Learning		States the intent of the Legislature to enact legislation to create paid internship based learning opportunities for eligible pupils attending high school.	02/12/2023: INTRODUCED.
CA AB 1637 Irwin (D)	Local Government: Internet Websites and Email Addresses		Provides that the California Public Records Act requires a local agency to make public records available for inspection and allows a local agency to comply by posting the record on its internet website and directing a member of the public to the internet website. Requires, no later than specified date, a local agency that maintains an internet website for use by the public to ensure that the internet website utilizes a .gov top-level domain or a .ca.gov second-level domain.	07/10/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1638 Fong M (D)	Local Government: Use of a Foreign Language		Requires, in the event of an emergency within the jurisdiction of a local public agency, that a local public agency provide information related to the emergency in English and in all languages spoken jointly and in common by a specified percent or	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			more of the population that does not primarily speak English. Requires local agencies to conduct an initial assessment by specified date to determine which languages are spoken jointly and in common by a specified percent or more of the resident population.	
CA AB 1639 Hoover (R)	Water Systems: Manufactured Housing Communities		States the intent of the Legislature to enact future legislation to require water corporations to purchase, own, and operate water systems currently owned and operated by manufactured housing communities, upon request of the owner, in order to assume responsibility for direct delivery of water to residents of those communities.	02/12/2023: INTRODUCED.
CA AB 1648 Bains (D)	Water: Colorado River Conservation		Prohibits the Metropolitan Water District of Southern California and the Department of Water and Power of the City of Los Angeles from achieving a reduction in, or conservation of, Colorado River water consumption required by an agreement with specified entities through increased water deliveries or imports from other regions of California, including the San Joaquin Valley and the Sacramento-San Joaquin Delta.	03/16/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
CA AB 1660 Ta (R)	Cosmetic Products: PFAS		Relates to law that prohibits a person or entity from manufacturing, selling, delivering, holding, or offering for sale in commerce any cosmetic product that contains intentionally added perfluoroalkyl and polyfluoroalkyl substances. Authorizes a person or entity to petition the State Air Resources Board to exempt intentionally added PFAS from that prohibition, and authorizes the Board to exempt intentionally added PFAS if the Board determines that the PFAS meet specified qualifications.	04/10/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
CA AB 1661 Bonta M (D)	Electrical and Gas Service: Accessory Dwelling Units		Relates to a requirement for every residential unit in an apartment house or similar multiunit residential structure, condominium, or mobilehome park to be individually metered for electrical and gas service. Exempts accessory dwelling units from this requirement if the owner of the property on which the accessory dwelling unit is located elects to have the accessory dwelling unit's electrical	03/09/2023: To ASSEMBLY Committee on UTILITIES AND ENERGY.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			and gas services metered through existing or upgraded utility meters located on that property.	
CA AB 1664 Friedman (D)	Self-Generation Incentive Program: Block Grant		Requires the Public Utilities Commission, in administering the self-generation incentive program to increase the deployment of distributed generation resources and energy storage systems, to use funds that are appropriated by the Legislature for the purposes of providing incentives to eligible residential customers who install behind-the-meter energy storage systems or solar photovoltaic systems paired with energy storage systems. Requires the commission to establish a block grant.	05/18/2023: In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
CA AB 1678 Hart (D)	Election Campaigns: Libel and Slander		Makes a technical, nonsubstantive change to provisions concerning libel and slander during election campaigns.	02/17/2023: INTRODUCED.
CA AB 1681 Bryan (D)	Environmental Justice		Provides that it is the intent of the Legislature to enact subsequent legislation relating to environmental justice.	02/17/2023: INTRODUCED.
CA AB 1687 Dahle M (R)	Greenhouse Gas Emissions: Fixed-Mount Generators		Requires a fixed-mount generator to be classified as a stationary source. Requires the State Air Resources Board to adopt regulations consistent with that requirement.	03/16/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
CA AB 1688 Sanchez (R)	Voter Registration: Cancellation: Deceased Persons		Provides that existing law requires the Secretary of State to adopt regulations to facilitate the availability of death statistics from the State Department of Health Services for use by the Secretary of State and county elections officials to cancel affidavits of registration of deceased persons. Authorizes the Secretary of State to also seek an agreement with the federal Social Security Administration to facilitate the availability of death statistics from that agency.	08/14/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.
CA AB 1689 Grayson (D)	Greenhouse Gases: Built Environment: Decarbonization		Expresses the intent of the Legislature to enact subsequent legislation that would further support California's efforts to decarbonize the built environment.	02/17/2023: INTRODUCED.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA AB 1690 Kalra (D)	Universal Health Care Coverage		States the intent of the Legislature to guarantee accessible, affordable, equitable, and high-quality health care for all Californians through a comprehensive universal single-payer health care program that benefits every resident of the state.	02/17/2023: INTRODUCED.
CA AB 1712 Irwin (D)	Personal Information: Data Breaches		Provides that the Information Practices Act requires any agency that owns or licenses computerized data that includes personal information to disclose any breach of the security of the system following discovery or notification of the breach. Requires the security breach notification to include the websites of the major credit reporting agencies and the Uniform Resource Locator for the main internet website operated by the Federal Trade Commission to provide information for victims of identity theft.	06/14/2023: To SENATE Committee on JUDICIARY.
CA AB 1716 Assembly Environmental Safety and Toxic Materials Committee	Hazardous Wastes and Materials		Provides that existing law authorizes the Department of Toxic Substances Control to grant a variance from specified requirements regarding certain wastes, including recyclable materials, under specified conditions. Requires a person who is not the generator, and who accumulates, manages, or recycles the recyclable material identified by the generator as exempt or excluded, to submit specified information to the Statewide Information Management System within a specified number of days.	08/29/2023: In SENATE. Read second time. To third reading.
CA AB 1721 Ta (R)	Crimes: False Depictions		Makes it a crime for a person to knowingly, and without the consent of the depicted individual, distribute to, exhibit to, or exchange with others, or offer to distribute to, exhibit to, or exchange with others audio or visual media that falsely depicts an individual engaging in sexual conduct that would appear to a reasonable observer to be an authentic record of the conduct.	04/18/2023: In ASSEMBLY Committee on PUBLIC SAFETY: Not heard.
CA AB 1734 Jones-Sawyer (D)	Local Government: Surplus Land Act: Exemptions		Specifies that land disposed of by a local agency for certain purposes, including low barrier navigation centers, supportive housing, transitional housing for youth and young adults, or affordable housing, is not subject to specified requirements, if the local agency meets certain prescribed requirements, including,	08/21/2023: In SENATE Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			among others, having declared a local emergency related to homelessness.	
CA AB 1753 Assembly Local Government Committee	Local Government: Reorganization		Provides that the Cortese-Knox-Hertzberg Local Government Reorganization Act requires a petitioner or legislative body desiring to initiate proceedings for a change of organization or reorganization to submit an application to the executive officer of the principal county. Prohibits the executive officer from accepting for filing an application, and provides that an application is not deemed accepted for filing, if an agreement for the exchange of property tax revenues has not been adopted.	06/29/2023: Chaptered by Secretary of State. Chapter No. 2023-025
CA AB 1757 Assembly Judiciary Committee	Accessibility: Internet Websites		Provides that existing law imposes liability upon a person, firm, or corporation that denies or interferes with admittance to, or enjoyment of, public facilities or otherwise interferes with the rights of an individual with a disability for damages and attorney's fees. Provides that a website is presumed to provide equally effective communication and to facilitate full and equal enjoyment for the purpose of determining whether an award of damages is warranted if the website has a certain certification.	08/15/2023: In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
CA AB 1762 Assembly Elections Committee	Elections Omnibus Bill		Provides that for the purposes of counting hyphenated words in the Elections Code, generally, and for the purposes of ballot designations, specifically, reference may be made to a standard reference dictionary published online.	08/23/2023: In SENATE. Read second time. To third reading.
CA ACA 1 Aguiar-Curry (D)	Local Government Financing: Affordable Housing		Provides that the State Constitution conditions the imposition of a special tax by a local government upon the approval of 2/3 of the voters. Authorizes a local government to impose, extend, or increase a sales and use tax or transactions and use tax imposed for the purposes of funding the construction, reconstruction, rehabilitation, or replacement of public infrastructure, affordable housing, or permanent supportive housing, or the acquisition or lease of real property for those purposes.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA ACA 2 Alanis (R)	Public Resources: Water and Wildfire Resiliency Act		Establishes the Water and Wildfire Resiliency Fund within the State Treasury, and would require the Treasurer to annually transfer an amount equal to 3% of all state revenues that may be appropriated as described from the General Fund to the Water and Wildfire Resiliency Fund. Requires the moneys in the fund to be appropriated by the Legislature and requires that 50% of the moneys in the fund be used for water projects, and that the other 50% of the moneys in the fund be used for forest maintenance.	04/20/2023: To ASSEMBLY Committees on WATER, PARKS AND WILDLIFE and NATURAL RESOURCES.
CA ACR 36 Connolly (D)	Compost Awareness Week		Designates specified week as Compost Awareness Week.	06/02/2023: Resolution Chapter No. 2023-078
CA SB 3 Dodd (D)	Discontinuation of Residential Water Service		Expands the scope of the Water Shutoff Protection Act to apply to a public water system, defined to include specified water systems and suppliers, including a community water system. Authorizes the Attorney General, at the request of the State Water Resources Control Board or upon the Attorney General's own motion, to bring an action in State court to restore to any person in interest any money or property, real or personal, that may have been acquired by any method, act, or practice prohibited by the act.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 12 Stern (D)	Global Warming Solutions Act of 2006: Emissions Limit		Requires the State Air Resources Board to ensure that statewide greenhouse gas emissions are reduced to at least 55% below the 1990 level by no later than December 31, 2030.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 23 Caballero (D)	Water Supply and Flood Risk Reduction Projects	Support	Requires the State Water Resources Control Board or the California regional water quality control boards to use specified approved conservation and habitat management plans as watershed plans. Requires the State Board and regional boards, as part of their implementation of the State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State, to address the impacts of dredge and fill activities from water supply and flood risk projects.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 29 Glazer (D)	Political Reform Act of 1974: Fair Political Practices		Authorizes the Fair Political Practices Commission to establish and administer a political reform education program as an alternative to an administrative proceeding. Provides that if a person meets the requirements to participate in the political reform education program and completes the program, the person is exempt from administrative, civil, or criminal penalties for the applicable violation of the Political Reform Act of 1974.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 34 Umberg (D)	Surplus Land Disposal: Violations: County of Orange	Watch	Prescribes requirements for the disposal of land determined to be surplus land by a local agency. Includes a requirement that a local agency, prior to disposing of a property or participating in negotiations to dispose of that property with a prospective transferee, send a written notice of availability of the property to specified entities, depending on the property's intended use, and send specified information in regard to the disposal of the parcel of surplus land to the Department.	08/28/2023: In ASSEMBLY. Read second time. To third reading.
CA SB 38 Laird (D)	Battery Energy Storage Facilities: Emergency Response		Requires each battery energy storage facility located in the state and subject to specified requirements to have an emergency response plan and an evacuation plan that covers the premises of the battery energy storage facility. Requires the owner or operator of the facility, in developing the plan, to coordinate with local emergency management agencies, unified program agencies, and local first response agencies.	08/28/2023: In ASSEMBLY. From Consent Calendar. To third reading.
CA SB 48 Becker (D)	Building Energy Savings Act		Requires the State Energy Resources Conservation and Development Commission, in consultation with the State Air Resources Board, Public Utilities Commission, and Department of Housing and Community Development, on or before specified date, to develop a strategy for using energy usage data to track and manage the energy usage and emissions of greenhouse gases of covered buildings. Requires the Energy Commission to submit the strategy and recommendations for further legislative action.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 57 Gonzalez (D)	Utilities: Disconnection of Residential Service		Requires an electrical corporation, local publicly owned electric utility, gas corporation, local publicly owned gas utility, water corporation, or local agency that owns a public water system to	03/22/2023: Re-referred to SENATE Committees on ENERGY, UTILITIES

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			postpone the disconnection of a customer's residential service for nonpayment of a delinquent account when the temperature will be a specified temperature or cooler, or a specified temperature or warmer, within the utility's service area during the 24 hours after that service disconnection would occur.	AND COMMUNICATIONS and JUDICIARY.
CA SB 66 Hurtado (D)	Water Quality, Supply, and Infrastructure Improvement		Requires the State Water Resources Control Board to administer the Drinking Water Capital Reserve Fund for the purpose of serving as matching funds for disadvantaged communities and requires the State Board to develop criteria to implement this provision. Requires the State Board to provide an analysis of the criteria to implement that provision to the Senate Committee on Natural Resources and Water and Assembly Committee on Water, Parks, and Wildlife on specified date.	03/29/2023: Re-referred to SENATE Committee on ENVIRONMENTAL QUALITY.
CA SB 68 McGuire (D)	Vehicles: Safety Regulations		Provides that existing law requires the Department of the California Highway Patrol to regulate the safe operation of certain vehicles, including buses, truck tractors, and trailers, and to adopt certain rules and regulations pertaining to the operation of those vehicles. Authorizes the department to allow a driver to exceed specified limits during a declared state of emergency if transporting fuel used for refueling aircraft used in fire suppression or other emergency-related activities.	08/24/2023: In ASSEMBLY. From Consent Calendar. To third reading.
CA SB 69 Cortese (D)	Environmental Quality Act: Proceedings: Limitations		Provides that the California Environmental Quality Act requires an action or proceeding challenging an act or decision of a public agency, including a local agency, on the grounds of noncompliance with CEQA to be commenced within certain time periods. Requires a local agency to file a notice of determination with the State Clearinghouse in the Office of Planning and Research in addition to the county clerk of each county in which the project will be located.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 74 Dodd (D)	State Entities: State-Owned or State-Issued Devices		Requires State agencies, when implementing social media and cybersecurity policies pursuant to the Statewide Information Management Manual and authorizing any agency installation or download of an application for a particular social media platform	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			on a State-issued or State-owned electronic device for an official State purpose, to adopt risk mitigation strategies tailored to risks posed by that social media platform.	
CA SB 79 Nguyen (R)	Coastal Resources: Preservation		Provides that it is the intent of the Legislature to enact subsequent legislation that would establish policy addressing coastal preservation.	01/25/2023: To SENATE Committee on RULES.
CA SB 83 Wiener (D)	Public Utilities: Electrical Distribution Grid		Requires Public Utilities Commission, on or before specified date, to establish maximum energization time periods by when an electrical corporation would be required to energize a development project, including the maximum time period for the energization ready phase of a project.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 84 Gonzalez (D)	Air Quality Programs: Funding		Provides that existing law requires the Bureau of Automotive Repair to administer the Enhanced Fleet Modernization Program and the State Air Resources Board to adopt the guidelines for the program. Requires the guidelines to ensure each replacement vehicle in the program be either a plug-in hybrid or zero-emission vehicle unless the State Board makes a specified determination in consultation with the State Energy Resources Conservation and Development Commission.	05/31/2023: In SENATE. From third reading. To Inactive File.
CA SB 146 Gonzalez (D)	Public Resources: Infrastructure: Contracting		Provides that existing law authorizes the Secretary of Transportation to assume the responsibilities of the United States Secretary of Transportation under the federal National Environmental Policy Act of 1969 and other federal environmental laws for any railroad, public transportation, or multimodal project undertaken by State agencies. Extends the authorization to certain date. Authorizes the Secretary to assume responsibilities under the NEPA and other federal environmental laws under certain conditions.	07/10/2023: Chaptered by Secretary of State. Chapter No. 2023-058
CA SB 147 Ashby (D)	Fully Protected Species: California Endangered Species		Authorizes the Department of Fish and Wildlife to issue a permit under the California Endangered Species Act that would authorize the take of a fully protected species resulting from impacts attributable to the implementation of specified projects if certain	07/10/2023: Chaptered by Secretary of State. Chapter No. 2023-059

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			conditions are satisfied, including, among others, the conditions required for the issuance of an incidental take permit. Requires the department to develop a plan to assess the population status of each fully protected species.	
CA SB 149 Caballero (D)	California Environmental Quality Act: Administrative		Provides that the California Environmental Quality Act requires a lead agency to prepare, or cause to be prepared, and certify the completion of an environmental impact report 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. Authorizes the public agency to deny the request of the plaintiff or petitioner to prepare the record of proceedings. Appropriates funds.	07/10/2023: Chaptered by Secretary of State. Chapter No. 2023-060
CA SB 224 Hurtado (D)	Agricultural Land: Foreign Ownership and Interests		Prohibits a foreign government from purchasing, acquiring, leasing, or holding a controlling interest, as defined, in agricultural land within the State of California. Exempts land held by foreign governments before specified date from that prohibition. Provides that land transferred in violation of these provisions would be subject to divestiture.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 229 Umberg (D)	Surplus Land: Disposal of Property: Violations	Watch	Requires a local agency that has received a notification of violation to hold an open and public meeting to review and consider the substance of the notice of violation. Requires the local agency's governing body to provide prescribed notice no later than a certain number of days before the public meeting. Prohibits the local agency's governing body from taking final action to ratify the proposed sale of surplus land until a public meeting is held as required.	08/28/2023: In ASSEMBLY. Read second time. To third reading.
CA SB 231 Hurtado (D)	Department of Water Resources: Water Supply Forecasting		Requires the Department of Water Resources to inventory its existing drought mitigation and response plans and submit a report to the Legislature identifying these plans and their purposes by specified date. Requires the report to include a recommendation on whether there is a need for a new comprehensive, long-term plan for mitigating and responding to the effects of drought at the State level.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 233 Skinner (D)	Electric Vehicles and Electric Vehicle Supply Equipment		Requires that, beginning in the specified model year, all new electric light-duty motor vehicles and school sold in the State be bidirectional capable. Provides that if the State Air Resources Board determines there is a sufficiently compelling beneficial bidirectional-capable use case to warrant imposing a bidirectional-capable mandate on another vehicle type, the bill would authorize the State Board to require that vehicle type to be bidirectional capable beginning in, or after, specified year.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 239 Dahle (R)	Environmental Quality Act: Housing Development Projects		Limits the standing to file and maintain an action or proceeding alleging that an environmental impact report was not prepared and certified in compliance with the California Environmental Quality Act to the Attorney General. Authorizes the court, upon its own motion or of a party, to conduct a hearing to determine if the Attorney General is bringing and maintaining an action or proceeding for nonenvironmental purposes, as defined.	04/19/2023: In SENATE Committee on ENVIRONMENTAL QUALITY: Not heard.
CA SB 240 Ochoa Bogh (R)	Surplus State Real Property: Affordable Housing		Provides that the California Environmental Quality Act requires a lead agency to prepare and certify the completion of an environmental impact report on a project that it proposes to carry out or approve that may have a significant effect on the environment. Provides that development of surplus State real property by a local agency or nonprofit affordable housing sponsor for an affordable housing project is by right, making the development ministerial in nature and exempt from CEQA requirements.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 245 Hurtado (D)	California Food Assistance Program: Eligibility		Requires the State Department of Social Services to establish a food assistance program, known as the California Food Assistance Program (CFAP), to provide assistance to a noncitizen of the United States if the person's immigration status meets the eligibility criteria of SNAP in effect on specified date, but the person is not eligible for SNAP benefits solely due to their immigration status.	06/20/2023: In ASSEMBLY Committee on HUMAN SERVICES: Not heard.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 248 Newman (D)	Political Reform Act of 1974: Disclosures		Requires a candidate for elective office to file, when the candidate files a declaration of candidacy, a form to disclose the candidate's prior education and work history, and history of military service, if any. Requires the Fair Political Practices Commission to create a form for this purpose. Requires the Secretary of State to post on its website a copy of completed forms submitted by candidates, making such forms available to the public for a specified number of years from the date of the election.	08/28/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
CA SB 251 Newman (D)	Political Reform Act of 1974: Elected Officers		Prohibits an elected officer from employment by any other elected officer with the same constituency, except if the elected officer first began their employment by the other elected officer with the same constituency on or before specified date.	04/18/2023: In SENATE Committee on ELECTIONS AND CONSTITUTIONAL AMENDMENTS: Reconsideration granted.
CA SB 252 Gonzalez (D)	Public Retirement Systems: Fossil Fuels: Divestment		Prohibits the boards of the Public Employees' Retirement System and the State Teachers' Retirement System from making new investments or renewing existing investments of public employee retirement funds in a fossil fuel company. Requires the boards to liquidate investments in a fossil fuel company on or before specified date. Suspends, temporarily, the liquidation provision upon a good faith determination by the board that certain conditions materially impact normal market mechanisms for pricing assets.	06/08/2023: To ASSEMBLY Committee on PUBLIC EMPLOYMENT AND RETIREMENT.
CA SB 265 Hurtado (D)	Cybersecurity Preparedness: Critical Infrastructure		Requires the Office of Emergency Services to direct the California Cybersecurity Integration Center to prepare, and Cal OES to submit to the Legislature, a strategic, multiyear outreach plan to assist critical infrastructure sectors, in their efforts to improve cybersecurity and an evaluation of options for providing grants or alternative forms of funding to, and potential voluntary actions that do not require funding and that assist, that sector in their efforts to improve cybersecurity preparedness.	07/10/2023: From ASSEMBLY Committee on EMERGENCY MANAGEMENT: Do pass to Committee on APPROPRIATIONS.
CA SB 267 Eggman (D)	Credit History of Persons Receiving Rent Subsidy		Prohibits the use of a person's credit history as part of the application process for a rental housing accommodation without offering the applicant the option of providing lawful, verifiable	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			alternative evidence of the applicant' s reasonable ability to pay. Provides that, if the applicant elects to provide lawful, verifiable alternative evidence of the applicant's reasonable ability to pay, the housing provider is required to provide the applicant reasonable time to respond with that alternative evidence.	
CA SB 279 Niello (R)	Administrative Regulations: Public Participation		Defines major regulation to mean the proposed adoption, amendment, or repeal of a regulation that will have an economic impact on California business enterprises and individuals in an amount exceeding a specified amount. Requires an agency to provide a minimum specified public comment period for purposes of determining whether the proposed adoption, amendment, or repeal of a regulation would be a major regulation that requires a standardized regulatory impact analysis.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 297 Allen (D)	Elections: Initiatives and Referenda: Withdrawal		Provides that existing law authorizes the proponents of a statewide initiative or referendum measure to withdraw the measure after filing the initiative or referendum petition with the appropriate elections official at any time before the Secretary of State certifies that the measure has qualified for the ballot. Requires the Secretary to deem a written notice of contingent withdrawal of a statewide initiative or referendum effective under specified conditions.	06/29/2023: In ASSEMBLY. Read second time. To third reading.
CA SB 299 Limon (D)	Voter Registration: California New Motor Voter Program		Requires the Department of Motor Vehicles to transmit specified information to the Secretary of State for a person submitting a driver's license application who provides documentation demonstrating United States citizenship and that the person is of an eligible age to register or preregister to vote.	06/13/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on HEALTH.
CA SB 300 Seyarto (R)	Public Employees Retirement: Fiscal Impact: Information		Requires the Legislative Analyst to prepare a pension fiscal impact analysis on any measure introduced on or after specified date that is referred to the Senate Labor, Public Employment and Retirement Committee, or any successor committee, as specified, and that requires a public retirement system to take prescribed action, including the divestiture of an existing investment.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 308 Becker (D)	Carbon Dioxide Removal Market Development Act		Requires the State Air Resources Board to prepare and approve a scoping plan for achieving the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions and to update the scoping plan at least once every specified number of years. Enacts the Carbon Dioxide Removal Market Development Act.	06/08/2023: To ASSEMBLY Committee on NATURAL RESOURCES.
CA SB 315 Hurtado (D)	Groundwater: Groundwater Sustainability Agencies		Requires any groundwater sustainability agency that hires a third-party consulting firm to ensure that the integrity of the science being used to develop a groundwater sustainability plan is protected and the data is not sold. Requires the Sustainable Groundwater Management Grant Program to allocate at least a specified amount of existing funds for a Critical Facilities Subsidence Mitigation subprogram, to be used for groundwater sustainability agencies that meet certain criteria and for certain purposes.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 320 Skinner (D)	Property Taxation: Possessory Interests		Provides that there is no independent possession or use of land or improvements if the possession or use is for a tenancy, as defined, in a residential unit, as defined, in a publicly owned housing project, as defined, is part of a governmental assistance program, and directly fulfills the governmental, public purpose of providing the housing, as described in the governmental assistance program.	02/15/2023: To SENATE Committee on GOVERNANCE AND FINANCE.
CA SB 322 Becker (D)	Zero-Emission Vehicle Battery Manufacturing		Requires the State Energy Resources Conservation and Development Commission, or an entity it contracts with, to administer its Zero-Emission Vehicle Battery Manufacturing Block Grant Program, and imposes eligibility, application scoring, workforce, and reporting requirements on the program. Authorizes the commission, or an entity it contracts with, to adopt procedures and criteria to supplement these requirements.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 328 Dodd (D)	Political Reform Act of 1974: Contribution Limits		Relates to the Political Reform Act of 1974, which prohibits a person, other than a small contributor committee or political party committee, from making to a candidate for elective state, county, or city office, and prohibits those candidates from accepting from a person, a contribution totaling more than \$3,000 per election.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			Applies those contribution limits to candidates for school district, community college district, and other special district elections.	
CA SB 334 Cortese (D)	Public Employment Relations Board: Powers and Duties		Authorizes the Public Employment Relations Board to conduct employer-employee relations studies concerning the impact on public employees of net-zero carbon emissions initiatives, including collecting, analyzing, and making available related data.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 337 Min (D)	Environmental Protection: Lands and Coastal Waters		Provides that existing law requires the Secretary of the Natural Resources Agency to prepare and submit, on or before specified date, and annually thereafter, a report to the Legislature on the progress made in the prior calendar year toward achieving the goal to conserve a specified percent of California's lands and coastal waters by specified year. Provides that it is the goal of the State to conserve at least a specified percent of California's lands and coastal waters by specified year.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 361 Dodd (D)	Water Resources: Stream Gages		Requires the Department of Water Resources and the State Water Resources Control Board, upon appropriation, to reactivate, upgrade, and install new stream gages. Requires the department and the board to use the recommendations and data provided in the California Stream Gaging Prioritization Plan 2022 to complete specified actions by specified year. Requires the department to report to the Legislature on progress made in completing specified actions.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 366 Caballero (D)	State Water Plan: Long-Term Supply Targets	Support	Requires the Department of Water Resources to coordinate with the California Water Commission, the State Water Resources Control Board, other State and federal agencies, and the stakeholder advisory committee to develop a comprehensive plan for addressing the State's water needs and meeting specified long-term water supply targets for purposes of the California Water Plan. Requires the department to submit an annual report between updates to the plan that includes progress made toward meeting the targets.	07/11/2023: In ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Not heard.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 375 Alvarado-Gil (D)	Employment: Employer Contributions: Withholdings		Requires an employer to claim, for the 2023 and 2024 calendar years, a COVID-19 regulatory compliance credit in a specified amount. Requires the credit to be claimed on the employers last quarterly return, as described, for the relevant calendar year. The bill would require any amount claimed by an employer to be credited against employee personal income tax withholding amounts required to be remitted to the department for the last quarter of the relevant calendar year.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 379 Umberg (D)	Political Reform Act of 1974: Ballot Measures		Makes nonsubstantive changes to the definition of measure for purposes of the Political Reform Act of 1974.	02/22/2023: To SENATE Committee on RULES.
CA SB 386 Newman (D)	Elections		Provides that existing law permits an elections official to use a random sampling method to determine the number of qualified voters who signed a county, city, or special district initiative or referendum petition, or a local recall petition. Provides that if an elections official uses this method and if a specified percentage of valid signatures is demonstrated, the elections official must complete the determination of the number of qualified voters within a specified period. Extends this period.	08/17/2023: In ASSEMBLY. Read second time. To third reading.
CA SB 389 Allen (D)	State Water Resources Control Board: Investigation		Authorizes the State Water Resources Control Board to investigate and ascertain whether or not a water right is valid. Authorizes the board to issue an information order in furtherance of an investigation, as executed by the executive director of the board, to a water right holder or claimant, diverter, or user to provide the information related to a diversion and use of water. Authorizes a diversion or use of water ascertained to be unauthorized pursuant to this provision to be enforced as a trespass.	08/17/2023: In ASSEMBLY. Read second time. To third reading.
CA SB 393 Glazer (D)	Environmental Quality Act: Judicial Challenge		Authorizes a defendant, in an action brought pursuant to the California Environmental Quality Act relating to a housing development project, to file a motion requesting the plaintiff or petitioner to identify every person or entity that contributes in	07/06/2023: In ASSEMBLY. Assembly Rule 56 suspended.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			excess of a specified amount toward the plaintiff's or petitioner's costs of the action. Authorizes the motion to be heard on shortened time at the court's discretion.	
CA SB 395 Wahab (D)	Notice of Termination or Rent Increase: Database		Provides that, beginning on specified date, a landlord is required to file with the Office of the Secretary of State a copy of any notice of termination or notice of rent increase within a specified number of days of serving the notice on the tenant, subject to specified requirements. Requires the office to create and maintain a publicly available, searchable database called the Statewide Rental Reporting Database.	05/18/2023: In SENATE Committee on APPROPRIATIONS. Held under submission and made a Two-year bill.
CA SB 396 Wahab (D)	Local Government: Excavations: Notice		Requires, prior to commencing any local agency-led excavation projects, as defined, a city, county, or city and county to notify interested parties of the project on its internet website to encourage collaborative installations of important utilities and infrastructure, including, but not limited to, fiber optic cable, undergrounding utilities, or other important services.	02/22/2023: To SENATE Committee on GOVERNANCE AND FINANCE.
CA SB 399 Wahab (D)	Employer Communications: Intimidation		Prohibits, with specified exceptions, an employer from subjecting, or threatening to subject, an employee to discharge, discrimination, retaliation, or any other adverse action because the employee declines to attend an employer-sponsored meeting or affirmatively declines to participate in, receive, or listen to any communications with the employer or its agents or representatives, the purpose of which is to communicate the employer's opinion about religious or political matters.	07/11/2023: From ASSEMBLY Committee on JUDICIARY: Do pass to Committee on APPROPRIATIONS.
CA SB 403 Wahab (D)	Discrimination on the Basis of Ancestry		Provides that the California Fair Employment and Housing Act recognizes and declares to be a civil right the opportunity to seek, obtain, and hold employment without discrimination, based on specified characteristics, including ancestry. Makes certain discriminatory employment practices based on those characteristics unlawful. Incorporates additional changes to Section 12926 of the Government Code proposed by AB 524 to be operative only if this bill and AB 524 are enacted and this bill is enacted last.	08/28/2023: In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE for concurrence.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 409 Newman (D)	Elections: Candidate's Statement		Provides that existing law authorizes a candidate for statewide elective office who accepts the voluntary expenditure limits to purchase the space to place a statement in a State voter information guide. Requires the Secretary of State to establish, on or before specified date, a pilot program that would allow a candidate to include a QR code link to a video statement in the State voter information guide.	08/28/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
CA SB 411 Portantino (D)	Open Meetings: Teleconferences: Neighborhood Councils		Authorizes an eligible legislative body to use alternate teleconferencing provisions related to notice, agenda, and public participation if the city council has adopted an authorizing resolution and 2/3 of the legislative body votes to use the alternate teleconferencing provisions. Requires that, at least once per year, at least a quorum of the members of the legislative body participate in person from a singular physical location that is open to the public and within the boundaries of the legislative body.	08/24/2023: In ASSEMBLY. Read third time, urgency clause adopted. Passed ASSEMBLY. *****To SENATE for concurrence.
CA SB 414 Allen (D)	Climate Change: Applications Using Hydrogen: Assessment		Provides that existing law requires the State Air Resources Board to prepare and post an evaluation on its internet website related to the use of hydrogen in the State. Requires, on or before specified date, the Board, in consultation with the State Energy Resources Conservation and Development Commission and the Public Utilities Commission to complete an assessment of the use of hydrogen in certain applications. Requires the assessment to incorporate the findings of, and not duplicate, the evaluation.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 415 Durazo (D)	Air Quality: Rules and Regulations: Impacts Assessment		Requires a local air district, whenever it intends to propose the adoption, amendment, or repeal of a rule or regulation that will significantly affect air quality or emissions limitations, to perform an assessment of the socioeconomic impacts of the proposed action on the rule or regulation on families living within the jurisdiction whose annual income is less than a specified amount.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 422 Portantino (D)	California Environmental Quality Act		Requires specified public agencies, at the time of adoption of a rule or regulation requiring the reduction in emissions of greenhouse gases, criteria air pollutants, or toxic air contaminants, to perform an environmental analysis of the reasonably	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			foreseeable methods of compliance with the California Environmental Quality Act.	
CA SB 423 Wiener (D)	Land Use: Streamlined Housing Approvals: Multifamily		Requires that a development located in a coastal zone that satisfies the specified conditions obtain a coastal development permit. Requires a local government to approve a coastal development permit if it determines that the development is consistent with all objective standards of the local government's certified local coastal program. Provides that the changes made by this act would apply in a coastal zone on or after specified date.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 436 Dodd (D)	California Wildfire Mitigation Strategic Planning Act		Requires the Office of Emergency Services on or before specified date, and every specified number of years thereafter, to prepare a Wildfire Risk Baseline and Forecast for the State delineated on a statewide level and by county.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 443 Gonzalez (D)	Drinking Water: Schools		Makes nonsubstantive changes to provisions of existing law requiring school districts and charter schools to allow pupils, teachers, and staff to bring and carry water bottles, except as provided.	02/22/2023: To SENATE Committee on RULES.
CA SB 458 Gonzalez (D)	Public Contracts: Local Agency Public Construction Act		Requires a local public entity subject to the Local Agency Public Construction Act, commencing on specified date, to maintain and regularly update a public online database and accompanying data dictionary with prescribed information on the entity's contracting activity similar to the information required for the State Contract Act report.	04/19/2023: In SENATE Committee on GOVERNANCE AND FINANCE: Not heard.
CA SB 460 Wahab (D)	Hiring of Real Property: Criminal History		Prohibits a housing provider, as defined, from inquiring about an applicants criminal history, requiring an applicant to disclose their criminal history, or requiring an applicant to authorize the release of their criminal history, unless they are complying with federal law, as specified.	02/22/2023: To SENATE Committee on JUDICIARY.
CA SB 461 Wahab (D)	Days and Hours of Work: Religious Cultural Observance		Provides that existing law authorizes a State employee to elect to receive 8 hours of holiday credit for certain holidays in lieu of receiving 8 hours of personal holiday credit. Authorizes an employee to elect to receive a specified number of hours of holiday credit for observance of a holiday or ceremony of the	08/24/2023: In SENATE. Ordered returned to ASSEMBLY. *****To ASSEMBLY.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			State employee's religion, culture, or heritage in lieu of receiving a specified number of hours of personal holiday credit.	
CA SB 466 Wahab (D)	Costa-Hawkins Rental Housing Act: Rental Rates		Relates to the Costa-Hawkins Rental Housing Act, which prescribes statewide limits on the application of local rent control with regard to certain properties. Authorizes an owner of residential real property to establish the initial rental rate for a dwelling or unit when the residential real property has been issued a certificate of occupancy within a specified number of years preceding the date on which the owner seeks to establish a rental rate, with specified exceptions.	05/31/2023: In SENATE. From third reading. To Inactive File.
CA SB 468 Seyarto (R)	Trespass		Authorizes a single request for assistance to be made and submitted electronically, in a notarized writing on a form provided by the Law Enforcement Agency, to a peace officer for a period of not more than 3 years when the premises or property is closed to the public and posted as being closed and would require the notice ending assistance before the 3 years has passed to be in writing.	02/22/2023: To SENATE Committee on PUBLIC SAFETY.
CA SB 470 Alvarado-Gil (D)	Water: Urban Water Community Drought Relief Program		Establishes the Urban Water Community Drought Relief Program and the Small Community Drought Relief Program to provide grants for similar interim or immediate drought relief. Provides that these programs would authorize funding for benefits in addition to drought relief, including, among other projects, projects that reduce the risk of wildfire for entire neighborhoods and communities through water delivery system improvements for fire suppression purposes in high or very fire hazard severity zones.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 477 Senate Housing Committee	Accessory Dwelling Units		Provides that existing law provides for the creation of junior accessory dwelling units by local ordinance, or, if a local agency has not adopted an ordinance, by ministerial approval, in accordance with specified standards and conditions. Makes nonsubstantive changes and reorganizes various provisions relating to the creation and regulation of accessory dwelling units	08/14/2023: In ASSEMBLY. To Inactive File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			and junior accessory dwelling units, and makes related nonsubstantive conforming changes.	
CA SB 488 Alvarado-Gil (D)	California Renewables Portfolio Standard Program		Relates to law that requires electrical corporations to collectively procure, through financial commitments of 5 to 15 years, inclusive, their proportionate share of 125 megawatts of cumulative rated generating capacity from existing bioenergy projects that commenced operations before specified date. Requires the Public Utilities Commission to ensure that the costs of any contract procured by a community choice aggregator are recoverable.	04/24/2023: In SENATE Committee on ENERGY, UTILITIES AND COMMUNICATIONS: Reconsideration granted.
CA SB 493 Min (D)	Air Pollution: Alternative Vehicles and Hydrogen		Requires the State Energy Resources Conservation and Development Commission to publish a determination regarding the adequacy of completed or planned charging or fueling sites for the specified number of years following the completion of the initial statewide assessment and the findings of the electric vehicle charging infrastructure assessment. Requires the Energy Commission to identify any charging or fueling site deficiencies and to categorize those deficiencies.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 497 Smallwood-Cueva (D)	Protected Employee Conduct		Provides that existing law prohibits retaliation against an employee for various reasons. Establishes that in addition to other remedies, an employer is liable for a civil penalty not exceeding a specified amount per employee for each violation to be awarded to the employee who was retaliated against. Requires the Labor Commissioner, in assessing this penalty, to consider the nature and seriousness of the violation based on the evidence obtained during the course of the investigation.	08/24/2023: In ASSEMBLY. Read second time. To third reading.
CA SB 504 Dodd (D)	Wildfires: Defensible Space: Grant Programs		Provides that existing law requires fuels to be maintained and spaced in a condition so that a wildfire burning under average weather conditions would be unlikely to ignite the structure. Provides that a violation of these requirements is a crime. Requires fuels to be maintained and spaced in a condition so that a wildfire would be unlikely to ignite the structure. Makes a	05/11/2023: To ASSEMBLY Committee on NATURAL RESOURCES.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			conforming change with respect to an area or land that is within a very high fire hazard severity zone designated by a local agency.	
CA SB 507 Gonzalez (D)	Electric Vehicle Charging Station Infrastructure		Establishes a goal of putting at least a specified number of zero-emission vehicles on State roads by specified year for purposes of the statewide assessment and requires the State Energy Resources Conservation and Development Commission to also assess the electric vehicle charging infrastructure needed to support the levels of electric vehicle adoption required for the State to meet the goal of ensuring 100% of new cars and light trucks sold in the State are zero-emission vehicles by specified year.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 511 Blakespear (D)	Greenhouse Gas Emissions Inventories		Provides that the California Global Warming Solutions Act requires the State Air Resources Board to prepare and approve a scoping plan for achieving the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions and to update the scoping plan. Requires the Board to develop, and publish on its website, a report on greenhouse gas emissions inventories for the specified calendar year for each city, county, or city and county that requests inclusion in the report.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 518 Wilk (R)	Elections: Certification of Results		Requires the elections official to submit the certified statement of the results of the election on the 30th calendar day following the election.	06/08/2023: To ASSEMBLY Committee on ELECTIONS.
CA SB 526 Limon (D)	Department of Industrial Relations: Domestic Violence		Requires the Department of Industrial Relations to develop and prepare a poster regarding domestic violence prevention that employers may display in their workplace and to make the poster available to employers for download through the department's internet website. Requires that the poster be made available in English, Spanish, and any non-English language required under the Dymally-Alatorre Bilingual Services Act.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 534 Padilla (D)	Equitable Access to Job Opportunity Pilot Program		Establishes the Equitable Access to Job Opportunity Pilot Program, to be operative from specified date to specified date, inclusive, to provide individuals without postsecondary education degrees from rural or low-income communities with financial aid	07/12/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			for workforce development training and education to gain employment in key industries. Makes the bill's provisions operative only upon appropriation by the Legislature.	
CA SB 537 Becker (D)	Open Meetings: Multijurisdictional		Relates to the Ralph M. Brown Act. Authorizes the legislative body of a multijurisdictional, cross-county agency to use alternate teleconferencing provisions if the eligible legislative body has adopted an authorizing resolution. Requires a member who receives compensation for their service on the legislative body to participate from a physical location that is open to the public.	08/15/2023: In ASSEMBLY. Read second time. To third reading.
CA SB 544 Laird (D)	Bagley-Keene Open Meeting Act: Teleconferencing		Provides that existing law authorized, subject to specified notice and accessibility requirements, a State body to hold public meetings through teleconferencing and suspended certain requirements of the Bagley-Keene Open Meeting Act, including specified teleconference requirements. Requires a majority of the members of the State body to be physically present at the same location for at least 1/2 of the meetings of that State body.	08/14/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
CA SB 546 Alvarado-Gil (D)	Sales and Use Tax Law: Exemption: Public Safety		Exempts from State sales and use taxes the gross receipts from the sale in this State of, and the storage, use, or other consumption in this State of, a public safety first responder vehicle purchased by a local public agency and any equipment required on those vehicles purchased by a local public agency.	03/29/2023: Re-referred to SENATE Committee on GOVERNANCE AND FINANCE.
CA SB 550 Grove (R)	Water Markets		Requires the Legislative Analyst, in collaboration with the Department of Water Resources, State Water Resources Control Board, and other agencies, to prepare and submit to the Legislature a report analyzing the water market, including background information regarding the sale of water and water rights, market trends, barriers to entering the market or effectively trading in the market, and proposals for improving the regulatory framework to make the market more market friendly and to encourage growth.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 553 Cortese (D)	Occupational Safety: Workplace Violence		Authorizes a collective bargaining representative of an employee to seek a temporary restraining order and an order after hearing on behalf of the employee and other employees at the workplace.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			Requires an employer or collective bargaining representative of an employee, before filing such a petition, to provide the employee who has suffered unlawful violence or a credible threat of violence from any individual an opportunity to decline to be named in the temporary restraining order.	
CA SB 563 Archuleta (D)	Air Pollution Control Districts		Relates to the establishment of air pollution control districts and air quality management districts. Designates a district as a special district for purposes of receiving State funds or funds disbursed by the State. Requires, if eligibility for funds requires a district to be considered either a dependent or an independent special district, the entity distributing those funds to use the definitions for those terms set forth in the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 567 Durazo (D)	Termination of Tenancy: No Fault Just Causes		Requires an owner of a residential real property who displaces a tenant to substantially remodel or demolish a unit to provide the tenant with written notice providing the tenant with specified information, including a description of the substantial remodel to be completed and the expected duration of the repairs, or the expected date by which the property will be demolished, and a copy of permits required to undertake the substantial remodel or demolition.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 571 Allen (D)	Development Projects: Emergency Preparedness		Requires a proponent of a new development that would require the evacuation of a specified number or more vehicles at any given time that is located within a State responsibility area or local responsibility area and within a high or very high fire hazard severity zone to include an evacuation plan with its application submitted to the local government for the development.	04/26/2023: In SENATE Committee on GOVERNANCE AND FINANCE: Not heard.
CA SB 573 Wahab (D)	Political Reform Act of 1974: Conflicts of Interest		Provides that for a specified time period after leaving employment from the Legislature, a committee consultant designated in the Senate or Assembly's Conflict of Interest Code would be prohibited from engaging in any activity that would require the former committee consultant to register as a lobbyist	04/25/2023: In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			for influencing any matter under the jurisdiction of their former committee.	
CA SB 574 Wahab (D)	Public Agencies: Project Labor Agreements		Permits a State agency to undertake a major State construction project only if that project is governed by a project labor agreement and if that project labor agreement includes community benefit goals. Authorizes the Governor to waive this requirement if the State agency has attempted to comply with this requirement and the Governor makes a written determination that the application of this requirement would be impracticable.	04/11/2023: In SENATE Committee on GOVERNMENTAL ORGANIZATION: Not heard.
CA SB 575 Wahab (D)	Employment Relations		Makes nonsubstantive changes to provisions concerning employment relationships.	02/22/2023: To SENATE Committee on RULES.
CA SB 584 Limon (D)	Laborforce Housing: Short-Term Rental Tax Law		Enacts the Laborforce Housing Financing Act of 2023. Establishes the Laborforce Housing Fund in the State Treasury and makes moneys in the fund available to the Department of Housing and Community Development, upon appropriation by the Legislature, for the creation of laborforce housing and other specified housing projects by public entities, local housing authorities, and mission-driven nonprofit housing providers.	06/15/2023: To ASSEMBLY Committees on HOUSING AND COMMUNITY DEVELOPMENT and REVENUE AND TAXATION.
CA SB 592 Newman (D)	Labor Standards Information and Enforcement		Prohibits the imposition of punishment or liability for costs upon a person who has relied upon a published opinion letter or an enforcement policy, as defined, of DLSE that is displayed on the internet website of the division, except for restitution of unpaid wages, for violations of statutes or regulations in judicial or administrative proceedings if the person pleads and proves specified facts.	04/19/2023: In SENATE Committee on LABOR, PUBLIC EMPLOYMENT AND RETIREMENT: Reconsideration granted.
CA SB 597 Glazer (D)	Building Standards: Rainwater Catchment Systems		Requires the Department of Housing and Community Development to conduct research and develop recommendations regarding building standards for the installation of rainwater catchment systems in newly constructed residential dwellings and authorizes the department to propose related building standards to the California Building Standards Commission for consideration.	07/12/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			Authorizes the department to expend moneys from the Building Standards Administration Special Revolving Fund.	
CA SB 611 Menjivar (D)	Residential Rental Properties: Fees and Advertisements		Requires landlords or their agents who advertise or provide a quote for residential property for rent and who include a specific or range of monthly rent rates to include specified information in the monthly rate. Requires the additional amount of security deposit to be returned to the tenant after no more than a specified number of months of residency if the tenant is not in arrears for any rent due during that period and if the higher amount is not due to a prior history of residential property damage.	06/08/2023: To ASSEMBLY Committee on JUDICIARY.
CA SB 616 Gonzalez (D)	Sick Days: Paid Sick Days Accrual and Use		Excludes railroad carrier employers and their employees from the Healthy Workplaces, Healthy Families Act of 2014’s provisions, and requires these railroad employers to allow their railroad employees to take at least a specified number of days of unpaid sick leave annually. Applies specified provisions from the act relating to, among other things, eligibility for, accrual and use of, and prevention of retaliation for use of sick leave.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 617 Newman (D)	Public Contracts: Progressive Design-Build		Provides that existing law authorizes local agencies, defined as any city, county, or special district authorized by law to provide for the production, storage, supply, treatment, or distribution of water, to use the progressive design-build process for certain projects. Authorizes a transit district, municipal operator, consolidated agency, joint powers authority, regional transportation agency, or local or regional agency to use the progressive design-build process for up to a certain number of projects.	08/29/2023: In SENATE. To Special Consent Calendar.
CA SB 623 Laird (D)	Workers Compensation: Post-Traumatic Stress Disorder		Relates to workers compensation for post-traumatic stress disorder. Expands such provisions to, among others, firefighting members of the State Department of State Hospitals, the State Department of Developmental Services, the Military Department, and the Department of Veterans Affairs.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 632 Caballero (D)	Candidate Statements		Provides that existing law allows certain candidates for State or federal elective office to purchase space to place a statement in	08/28/2023: In ASSEMBLY. From Consent Calendar. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			the voter information portion of the sample ballot. Requires the Secretary of State or the Office of the Elections official to notify a candidate for statewide elective office, State Senate, or Assembly who files a statement with the Secretary or the elections official whether the statement was approved or rejected.	
CA SB 638 Eggman (D)	Climate Resiliency and Flood Protection Bond Act	Support	Enacts the Climate Resiliency and Flood Protection Bond Act of 2024 which, if approved by the voters, would authorize the issuance of bonds in the amount of a specified amount pursuant to the State General Obligation Bond Law, for flood protection and climate resiliency projects. Provides that this bill is operative only if SB 867 of the 2023-24 Regular Session is enacted and takes effect on or before specified date.	06/28/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
CA SB 642 Cortese (D)	Hazardous Materials: Enforcement: County Counsel		Authorizes the county counsel to bring an action seeking to enjoin a violation of laws and regulations governing the generation, transportation, and disposal of hazardous materials. Provides that if a county counsel or the district attorney brings an action, the county counsel or district attorney is required, within a specified number of days of the filing of the action, to give notice to the district attorney or county counsel, as applicable, of the related county.	08/22/2023: *****To GOVERNOR.
CA SB 649 Hurtado (D)	California Endangered Species Act: Incidental Take		Requires the Department of Fish and Wildlife to make specified decisions concerning the taking of endangered species based on a real-time monitoring system, rather than a calendar-based schedule, and to additionally consider the proximity of the species relative to the operation of a facility subject to the permit conditions and the known location of the population relative to the facility subject to the permit.	03/01/2023: To SENATE Committee on NATURAL RESOURCES AND WATER.
CA SB 651 Grove (R)	California Environmental Quality Act: Groundwater		Relates to the Sustainable Groundwater Management Act. Requires the Judicial Council to adopt a rule of court to establish procedures requiring actions or proceedings brought to attack, review, set aside, void, or annul the certification of an environmental impact report, or the granting of any project approvals, for groundwater recharge projects that implement a	06/22/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			groundwater sustainability plan or an interim groundwater sustainability plan.	
CA SB 659 Ashby (D)	California Water Supply Solutions Act of 2023	Support	Establishes the California Water Supply Solutions Act of 2023 to, among other things, require the Department of Water Resources to develop a groundwater recharge action plan by specified date that provides actionable recommendations that result in the ability to create additional groundwater recharge capacity.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 660 Alvarado-Gil (D)	Public Employees' Retirement Systems		Establishes the California Public Retirement System Agency Cost and Liability Panel, located in the Controller's office. Assigns responsibilities to the panel related to retirement benefit costs, including determining how costs and unfunded liability are apportioned to a public agency when a member changes employers within the same public retirement system or when a member concurrently retires with a specified number or more retirement systems that have entered into reciprocity agreements.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 663 Archuleta (D)	California Renewables Portfolio Standard Program		Relates to the California Renewables Portfolio Standard Program, which requires the Public Utilities Commission to implement annual procurement targets for the procurement of eligible renewable energy resources and requires local publicly owned electric utilities to adopt and implement a procurement plan to achieve the targets and goals of the program. Includes a facility that uses renewable hydrogen meeting certain requirements as a renewable electrical generation facility for purposes of the program.	06/01/2023: In SENATE. From third reading. To Inactive File.
CA SB 664 Stern (D)	Energy: Reliability Planning Assessment		Relates to law that requires the Energy Resources Conservation and Development Commission and the Public Utilities Commission to submit a joint Reliability Planning Assessment. Requires the assessment to include the status of utility transmission upgrades and electrical grid infrastructure capacity, PUC approvals of applications for certificates of public convenience and necessity and permits to construct utility and independent projects, and applications for permits from the Energy Commission.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 665 Allen (D)	Plastic Waste: Single-Use Plastics Alternatives		Requires the California Environmental Protection Agency to establish a working group of specified agencies that would establish a framework for evaluating novel plastic and plastic-alternative material types used to produce single-use products as they are developed, in order to inform State policy decisions designed to create a more sustainable and circular economy. Requires the working group to, among other things, develop recommendations related to novel material types, including the appropriate labeling.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 676 Allen (D)	Local Ordinances and Regulations: Drought- Tolerant Land		Prohibits a city, including a charter city, county, or city and county from enacting or enforcing any ordinance or regulation that prohibits the installation of drought-tolerant landscaping using living plant material on residential property. Specifies that drought-tolerant landscaping does not include the installation of synthetic grass or artificial turf.	07/13/2023: In ASSEMBLY. Read second time. To third reading.
CA SB 678 Umberg (D)	Elections: Disclosures		Requires a person who is paid by a committee to support or oppose a candidate or ballot measure on an internet website, web application, or digital application to include a disclaimer, if not already required, stating that they were paid by the committee in connection with the post. Exempts the disclaimer requirement for content posted by a compensated employee of a committee on the employee's own social media page or account if the only expense or cost of the communication is compensated staff time.	08/22/2023: *****To GOVERNOR.
CA SB 681 Allen (D)	Political Reform Act of 1974: Amendments		Requires bills amending the Political Reform Act of 1974 be in final form at least a specified number of days before passage in each house. Requires bills amending the act to be in final form at least a specified number of days before passage in each house if the previous form of the bill did not amend the act. Requires the Legislative Counsel to make available to the public the option to sign up to receive email alerts any time a bill to amend the act is introduced or amended.	08/28/2023: In ASSEMBLY. Read third time and amended. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 684 Caballero (D)	Land Use: Streamlined Approval Processes		Requires a local agency to ministerially approve, without discretionary review or a hearing, a parcel map or a tentative and final map for a housing development project that meets specified requirements. Authorizes a local agency to impose on a housing development on a lot that is subdivided pursuant to the bill's provisions objective zoning standards, objective subdivision standards, or objective design standards that are related to the design or to the improvement of a parcel.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 687 Eggman (D)	Water Quality Control Plan: Delta Conveyance Project		Requires the State Water Resources Control Board to adopt a final update of the 1995 Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary before the board may consider a change in point diversion or any other water rights permit or order for the Delta Conveyance Project. Provides that these provisions do not constitute an authorization for or approval of funding for the Project or any other project that includes isolated Delta conveyance facilities.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 693 Seyarto (R)	Exempt Surplus Land: City of Murrieta		Exempts specified parcels located within the City of Murrieta from the Surplus Land Act.	03/01/2023: To SENATE Committee on GOVERNANCE AND FINANCE.
CA SB 700 Bradford (D)	Employment Discrimination: Cannabis Use		Relates to the California Fair Employment and Housing Act. Makes it unlawful for an employer to request information from an applicant for employment relating to the applicant's prior use of cannabis.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 702 Limon (D)	Gubernatorial Appointments: Report		Relates to law that requires the Governor to appoint every office whose mode of appointment is not prescribed by law. Requires the Office of the Governor, commencing on specified date, to maintain on its internet website a list of every State board and commission that includes, for each State board or commission, the membership list, stated purpose, duties, meeting frequency, internet website, and vacancies in the membership.	06/21/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 703 Niello (R)	Employment: Work Hours: Flexible Work Schedules		Enacts the California Workplace Flexibility Act of 2023. Permits an individual nonexempt employee to request an employee-selected flexible work schedule providing for workdays up to 10 hours per day within a 40-hour workweek and would allow the employer to implement this schedule without the obligation to pay overtime compensation for those additional hours in a workday.	04/26/2023: In SENATE Committee on LABOR, PUBLIC EMPLOYMENT AND RETIREMENT: Failed passage.
CA SB 705 Ashby (D)	Utility Workers: Harassment: Public Campaign		Requires the Public Utilities Commission to develop, in coordination with electrical corporations, gas corporations, and the unions representing the impacted workers, and conduct a statewide, public campaign to raise awareness and understanding around the harassment of utility workers and contractors in the State. Requires implementation of these provisions to be subject to the commission receiving sufficient funding for the campaign.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 706 Caballero (D)	Public Contracts: Progressive Design-Build		Provides that existing law authorizes the Director of General Services to use the progressive design-build procurement process for the construction of up to 3 capital outlay projects. Provides additional authority for cities, counties, cities and counties, or special districts to use the progressive design-build process for up to a specified number of public works in excess of a specified amount, not limited to water-related projects, excluding projects on State-owned or State-operated facilities.	08/29/2023: In SENATE. To Special Consent Calendar.
CA SB 709 Allen (D)	Low-Carbon Fuel Standard Regulations: Biogas		Requires the State Air Resources Board, in implementing the Low-Carbon Fuel Standard regulations, to update the carbon intensity of each pathway for fuel derived from livestock manure to include all emissions of greenhouse gases generated from the production of the fuel and all emissions of greenhouse gases generated from the production of the feedstock.	05/18/2023: In SENATE Committee on APPROPRIATIONS. Held under submission and made a Two-year bill.
CA SB 712 Portantino (D)	Tenancy: Personal Micromobility Devices		Prohibits a landlord from prohibiting a tenant from owning personal micromobility devices or from storing up to one personal micromobility device in their dwelling unit for each person occupying the unit, subject to certain conditions and exceptions. Defines personal micromobility device for those purposes to	06/29/2023: In ASSEMBLY. From Consent Calendar. To third reading.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			mean a device that is powered by the physical exertion of the rider or an electric motor and is designed to transport one individual or one adult accompanied by up to a specified number of minors.	
CA SB 718 Wilk (R)	Elections: Official Canvass: Unprocessed Ballots		Relates to law that requires county elections officials during the official canvass period following an election to send reports to the Secretary of State regarding the number of unprocessed ballots. Requires the Secretary of State to make public the information contained in those reports.	06/28/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on ELECTIONS.
CA SB 721 Becker (D)	California Interagency AI Working Group		Creates the California Interagency AI Working Group to deliver a report to the Legislature regarding artificial intelligence. Requires require the working group members to be Californians with expertise in at least 2 of certain areas, including computer science, artificial intelligence, and data privacy. Requires the report to include a recommendation of a definition of artificial intelligence as it pertains to its use in technology for use in legislation.	06/01/2023: To ASSEMBLY Committee on PRIVACY AND CONSUMER PROTECTION.
CA SB 723 Durazo (D)	Employment: Rehiring and Retention: Displaced Workers		Redefines laid-off employee to mean any employee who was employed by the employer for a specified number of months or more and whose most recent separation from active employment by the employer occurred on or after specified date and was a result of a public health directive, government shutdown order, lack of business, reduction in force, or other economic nondisciplinary reason.	07/12/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 724 Glazer (D)	Political Reform Act of 1974: Communications		Provides that the Political Reform Act of 1974 requires the disclosure of certain payments. Requires the disclosure of any payment of or promise to pay a specified amount or more for a communication that clearly identifies an elected State officer, and educates the public about the previous votes cast by the elected officer or about the source of campaign donations received by the elected officer, and that is disseminated, broadcast, or otherwise published within a specified number of days of an election.	08/28/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SB 731 Ashby (D)	Employment Discrimination: Unlawful Practices		Makes it an unlawful employment practice for an employer, before requiring an employee who is working from home to return to work in person, to fail to provide at least a specified number of calendar days' advance notice to the employee. Requires that notice be written and sent by mail or email and include, at a minimum, prescribed text with information about the rights of an employee to reasonable accommodation for a disability.	07/12/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 737 Hurtado (D)	Groundwater: Recharge		States the intent of the Legislature to enact legislation to capture floodwater to recharge groundwater basins and to require the Department of Water Resources and the State Water Resources Control Board to work together to expedite the regulatory steps necessary to store significant rainfall and excess water underground, while still ensuring protections for the environment and other water users as required by state law.	03/01/2023: To SENATE Committee on RULES.
CA SB 745 Cortese (D)	The Drought Resistant Buildings Act		Requires the California Building Standards Commission to research, develop, and propose building standards to reduce potable water use in new residential and nonresidential buildings. Authorizes the commission to use or build upon any existing model ordinance for onsite nonpotable water treatment systems. Authorizes the commission to expend moneys from the Building Standards Administration Special Revolving Fund for specified purposes, upon appropriation by the Legislature.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 747 Caballero (D)	Land Use: Surplus Land		Relates to requirements for the disposal of surplus land by a local agency. Defines the term dispose. Specifies that for a local agency that is a district, agency's use includes commercial or industrial uses or activities, or property disposed of for the sole purpose of investment or generation of revenue, without exception. Removes from the definition of exempt surplus land, land that is surplus land that is put out to open, competitive bid by a local agency.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 753 Caballero (D)	Cannabis: Water Resources		Relates to the Control, Regulate and Tax Adult Use of Marijuana Act (AUMA), which authorizes the Legislature to amend its provisions by a two thirds vote of each house if the amendment	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			further its purposes and intent. Amends the AUMA by adding conditions related to the planting, cultivating, harvesting, drying, or processing marijuana that results in substantial environmental harm to surface or groundwater.	
CA SB 755 Becker (D)	Energy Efficiency and Building Decarbonization Programs		Provides for the California's Layered Energy Applications for Residents (CLEAR) Act of 2023. Requires the State Energy Resources Conservation and Development Commission to develop and make publicly available an internet website for energy efficiency and building decarbonization programs administered by the Energy Commission, federal or local governmental agencies, and nonprofit organizations that are available in the State for residential buildings and residential electricity customers.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 756 Laird (D)	Water: Inspection: Administrative Procedure: Notice		Requires the State Water Resources Control Board to take all appropriate proceedings or actions to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of water in the State. Authorizes the board to inspect the property or facilities of any person or entity to ascertain certain purposes are being met or compliance with specified requirements. Expands methods of notice for those purposes to include notice in accordance with the manner of service of a summons.	08/22/2023: *****To GOVERNOR.
CA SB 769 Gonzalez (D)	Local Government: Fiscal and Financial Training		Provides that existing law imposes ethics training and sexual harassment prevention training and education on specified local agency officials. Exempts a local agency official from the training requirements if they comply with specified criteria under existing law relating to eligibility for appointment or election to, and continuing education for, the office of county treasurer, county tax collector, or county treasurer-tax collector.	07/12/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 778 Ochoa Bogh (R)	Excavations: Subsurface Installations		Provides that existing law establishes the California Underground Facilities Safe Excavation Board for the enforcement and administration of the Safe Dig Act and requires the Governor to appoint a certain number of the board members. Revises the	06/15/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on UTILITIES AND ENERGY.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			knowledge and experience requirements for a certain number of the members appointed by the Governor. Requires an operator to contact the excavator by electronic positive response if the area delineated by the excavator does not match the ticket description.	
CA SB 781 Stern (D)	Methane Emissions: Natural Gas Producing Low Methane		Provides that existing law requires the State Air Resources Board to quantify and publish annually the amount of greenhouse gas emissions resulting from the loss or release of uncombusted natural gas to the atmosphere and emissions from natural gas flares during all processes associated with the production, processing, and transporting of natural gas imported into the State from out-of-state sources. Requires the board to request and incorporate certain information from utilities and other large gas users.	08/16/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
CA SB 782 Limon (D)	Coastal Resources: Public Works Plan: Vegetation		Requires the California Coastal Commission to develop a public works plan for vegetation management in the coastal zone.	03/29/2023: Re-referred to SENATE Committee on NATURAL RESOURCES AND WATER.
CA SB 789 Allen (D)	Elections: Senate Constitutional Amendment 2		Provides that the Legislature adopted Assembly Constitutional Amendment 5 of the 2023-24 Regular Session, which, if approved by the voters, would repeal a provision of the California Constitution that provides that only a marriage between a man and a woman is valid or recognized in the State and would instead provide that the right to marry is a fundamental right. Calls a special election to be consolidated with the statewide general election scheduled for specified date.	08/17/2023: In ASSEMBLY. Read third time and amended. To third reading.
CA SB 790 Padilla (D)	Public Records: Contracts for Goods and Services		Provides that any executed contract for the purchase of goods or services by a State or local agency, including the price and terms of payment, is a public record subject to disclosure under the California Public Records Act.	07/13/2023: Chaptered by Secretary of State. Chapter No. 2023-077
CA SB 794 Niello (R)	California Environmental Quality Act		Requires an action or proceeding brought to attack, review, set aside, void, or annul acts or decision of an agency for a commercial, housing, or public works project that helps to address longstanding critical needs in the project area and that	03/29/2023: In SENATE Committee on ENVIRONMENTAL QUALITY: Reconsideration granted.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			results in an investment of at least a specified amount in the State on the grounds of noncompliance with the California Environmental Quality Act to be resolved within a specified number of days of the filing of the certified record of proceedings with the court.	
CA SB 798 Glazer (D)	Elections: Local Bond Measures: Tax Rate Statement		Requires the estimated tax rate in the statement that includes estimates of the tax rates required to fund the issuance of bonds in measures for voter approval be expressed as the rate per specified sum of assessed valuation on all property to be taxed to fund the bonds.	06/15/2023: In ASSEMBLY. From Consent Calendar. To third reading.
CA SB 809 Smallwood-Cueva (D)	California Fair Employment and Housing Act: Fair Chance		Enacts the Fair Chance Act. Makes it an unlawful employment practice to take adverse action against an employee or discriminate against an employee on the basis of their preemployment arrest or conviction history or to end an interview, reject an application, or otherwise terminate the employment, transfer, or promotion application process based on conviction history information provided by the applicant or learned from any other source, until after the employer has taken specified actions.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 830 Smallwood-Cueva (D)	Public Works		Expands the definition of public works to include an offsite, custom fabrication of sheet metal ducts or similar sheet metal products for heating, ventilation, and air conditioning systems produced as a nonstandard item solely and specifically designed and engineered for installation in a project.	08/23/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
CA SB 846 Limon (D)	Voter Registration: California New Motor Voter Program		Requires the Department of Motor Vehicles to transmit specified information to the Secretary of State for a person submitting a driver's license application who provides documentation demonstrating United States citizenship and that the person is of an eligible age to register or preregister to vote.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 848 Rubio (D)	Employment: Leave for Reproductive Loss		Makes it an unlawful employment practice for an employer to refuse to grant a request by an eligible employee to take up to a specified number of days of reproductive loss leave following a reproductive loss event. Makes it an unlawful employment	07/12/2023: In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			practice for an employer to retaliate against an individual because of the individual's exercise of the right to reproductive loss leave or the individual's giving of information or testimony as to reproductive loss leave.	
CA SB 850 Umberg (D)	Eminent Domain: General Limitations		Makes technical, nonsubstantive changes to provisions relative to eminent domain.	03/01/2023: To SENATE Committee on RULES.
CA SB 855 Archuleta (D)	Fair Employment and Housing Act: Veterans		Makes it an unlawful employment practice to require an employee who is a veteran, as defined, to work on a specified date, known as Veterans Day, if specified conditions are met.	04/11/2023: In SENATE Committee on JUDICIARY: Not heard.
CA SB 858 Niello (R)	Initiative and Referendum Measures: Title and Summary		Provides that existing law requires the Attorney General to prepare a ballot title and summary for each measure that the Secretary of State determines will appear on the ballot at a statewide election. Requires the Legislative Analyst to carry out these responsibilities. Makes the operation of this requirement contingent upon approval by the voters of SCA 3 of the specified Regular Session. Declares this as an urgency statute.	08/29/2023: In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
CA SB 861 Dahle (R)	California Environmental Quality Act: Water Conveyance		Requires the Judicial Council to adopt rules of court applicable to actions or proceedings brought to attack, review, set aside, void, or annul the certification or adoption of an environmental impact report for specified water projects or the granting of any project approvals to be resolved within a specified number of days of the filing of the certified record of proceedings with the court to an action or proceeding seeking judicial review of the lead agency's action related to those projects.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.
CA SB 863 Allen (D)	Hiring Of Residential Real Property		Removes the requirement that the notice to terminate for cause that is a curable lease violation be given pursuant to specified provisions and would instead specify that the time period to cure the violation set forth in the notice shall not be less than a specified number of days, after which time, if the violation is not	03/29/2023: Re-referred to SENATE Committee on JUDICIARY.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			cured, a notice to quit without an opportunity to cure may thereafter be served to terminate the tenancy.	
CA SB 865 Laird (D)	Municipal Water Districts: Automatic Exclusion		Increases the number of days the Secretary of State has to issue a certificate reciting the passage of the ordinance and the exclusion of the area from the municipal water district to 14 days.	03/01/2023: To SENATE Committee on GOVERNANCE AND FINANCE.
CA SB 867 Allen (D)	Drought, Flood, and Water Resilience		Enacts the Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024, which would authorize the issuance of bonds to finance projects for, among other things, drought, flood, and water resilience. Provides for the submission of these provisions to the voters at the specified statewide primary election.	06/22/2023: In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
CA SB 876 Smallwood-Cueva (D)	Employment Discrimination		States the intent of the Legislature to enact legislation that would protect workers from discrimination in the workplace.	03/01/2023: To SENATE Committee on RULES.
CA SB 878 Senate Governance and Finance Committee	Validations		Enacts the First Validating Act of 2023. Validates the organization, boundaries, acts, proceedings, and bonds of the State and counties, cities, and specified districts, agencies, and entities. Provides that all public bodies heretofore organized or existing under any law, or under color of any law, are declared to have been legally organized and to be legally functioning as those public bodies.	06/29/2023: Chaptered by Secretary of State. Chapter No. 2023-030
CA SB 879 Senate Governance and Finance Committee	Validations		Enacts the Second Validating Act of 2023. Validates the organization, boundaries, acts, proceedings, and bonds of the State and counties, cities, and specified districts, agencies, and entities. Provides that all public bodies heretofore organized or existing under any law, or under color of any law, are declared to	06/29/2023: Chaptered by Secretary of State. Chapter No. 2023-031

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			have been legally organized and to be legally functioning as those public bodies.	
CA SB 880 Senate Governance and Finance Committee	Validations		Enacts the Third Validating Act of 2023. Validates the organization, boundaries, acts, proceedings, and bonds of the State and counties, cities, and specified districts, agencies, and entities. Provides that all public bodies heretofore organized or existing under any law, or under color of any law, are declared to have been legally organized and to be legally functioning as those public bodies.	06/29/2023: Chaptered by Secretary of State. Chapter No. 2023-032
CA SB 881 Alvarado-Gil (D)	Paid Sick Days: Accrual and Use		Modifies the employer's alternate sick leave accrual method to require that an employee have no less than a specified number of hours of accrued sick leave or paid time off by the specified day of employment or each calendar year, or in each specified time period. Provides that certain sick leave provisions would preempt any existing local ordinance, resolution, law, rule, or regulation regarding earned sick leave, excluding ordinances regarding COVID-19 leave and ordinances enacted before certain date.	04/19/2023: In SENATE Committee on LABOR, PUBLIC EMPLOYMENT AND RETIREMENT: Reconsideration granted.
CA SB 882 Senate Governance and Finance Committee	Local Government Omnibus Act of 2023		Amends eligibility criteria for election or appointment to the office of the county treasurer, county tax collector, or county treasurer-tax collector of any county. Authorizes a county recorder to use electronic or otherwise digitally created signature in certifying a record. Provides that existing law requires a county recorder to keep an official seal of the recorder's office that is required to be legible. Authorizes the seal to be applied manually, mechanically, electronically, or by digital means.	08/30/2023: *****To GOVERNOR.
CA SB 888 Senate Elections and Constitutional Amendments Committee	Political Reform Act of 1974		Requires a member of the Fair Political Practices Commission who declares a candidacy for elective office to resign from the Commission. Prohibits the chair of the Commission from filing to be a candidate for elective office until at least one year after their service in this position expires.	05/18/2023: In SENATE Committee on APPROPRIATIONS: Held in committee.

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
CA SCA 2 Stern (D)	Elections: Voter Qualifications		Provides that the California Constitution allows a United States citizen who is at least 18 years of age and a resident of the State to vote. Reduces the minimum voting age to a specified age.	08/28/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA SCA 3 Niello (R)	Elections: Initiatives and Referenda		Transfers from the Attorney General to the Legislative Analyst the duty of preparing the title and summary for a proposed initiative or referendum. Requires, for each measure that appears on a statewide ballot, the Legislative Analyst to prepare the ballot label and the ballot title and summary for the state voter information guide.	08/28/2023: In SENATE Committee on APPROPRIATIONS: To Suspend File.
CA SCR 52 Alvarado-Gil (D)	Special Districts Week	Support	Proclaims specified week as Special Districts Week.	06/06/2023: Resolution Chapter No. 2023-088
CA SCR 55 Portantino (D)	Tap Water Day		Proclaims the first Thursday in May to be Tap Water Day in this State and encourages Californians to celebrate, support, trust, and value publicly supplied drinking water and use community drinking fountains and filling stations as one of the best and healthiest sources of drinking water.	06/02/2023: Resolution Chapter No. 2023-083
US H 1430 Valadao (R)	National Environmental Policy Act Review Requirements	Support	Directs the Secretary of the Interior and the Secretary of Agriculture to use certain previously completed environmental assessments and environmental impact statements to satisfy the review requirements of the National Environmental Policy Act of 1969.	04/25/2023: In HOUSE Committee on AGRICULTURE: Referred to Subcommittee on FORESTRY.
US H 2964 McClain (R)	Do Not Flush Labeling Requirements	Support	Requires the Federal Trade Commission to issue regulations requiring certain products to have Do Not Flush labeling.	04/28/2023: In HOUSE Committee on ENERGY AND COMMERCE: Referred to Subcommittee on DIGITAL COMMERCE AND CONSUMER PROTECTION.
US H 3027 Porter (D)	Reclamation Climate Change and Water Program Funding	Support	Reauthorizes funding for the Reclamation Climate Change and Water Program.	06/09/2023: In HOUSE Committee on NATURAL RESOURCES: Referred

EXHIBIT “A”
IRWD 2023 LEGISLATIVE MATRIX
Updated: August 31, 2023

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
				to Subcmt on WATER, WILDLIFE AND FISHERIES.
US S 1350 Merkley (D)	Do Not Flush Labeling Regulations	Support	Requires the Federal Trade Commission to issue regulations requiring certain products to have Do Not Flush labeling.	04/27/2023: To SENATE Committee on COMMERCE, SCIENCE, AND TRANSPORTATION.
US S 1429 Lummis (R)	PFAS Substance Liability Exemptions	Support	Exempts certain entities from liability under the Comprehensive Environmental Response, Compensation, and Liability Act of specified year with respect to releases of perfluoroalkyl and polyfluoroalkyl substances (PFAS).	05/03/2023: To SENATE Committee on ENVIRONMENT AND PUBLIC WORKS.

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September 7, 2023

Prepared by: K. Welch / E. Akiyoshi

Submitted by: F. Sanchez / P. Weghorst

Approved by: Paul A. Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

AMENDED WATER SUPPLY ASSESSMENT FOR PLANNING AREA 39 LOTS 10 AND 13 PROJECT

SUMMARY:

Staff has completed an Amended WSA for the proposed revisions to the Planning Area 39 Lots 10 and 13 Project and recommends that the Board approve the document.

BACKGROUND:

In June 2023, staff received a request from the City of Irvine to prepare a WSA for the Planning Area 39 Lots 10 and 13 Project to reflect proposed land use changes within a portion of Planning Area 39. Lot 10 is located at the southwest corner of Gitano and Encanto and Lot 13 is located west of Alfonso and Dana adjacent to the San Diego Creek. A location map of the Project is provided as Exhibit "A".

Water Supply Assessment:

On November 29, 2005, the Board approved a WSA that included Planning Area 39 as requested by the City in accordance with SB 610. The demands for Planning Area 39 were incorporated into the District's demand forecasting and are included in the District's most recent 2020 Urban Water Management Plan. The overall Planning Area 39 project included 6,050 dwelling units.

Proposed Revised Project:

The City is proposing a revised project that involves a General Plan Amendment and Zone Change for Lots 10 and 13 within Planning Area 39. The City's proposed revised project will increase residential density by adding 670 dwelling units to Planning Area 39 on the Lots 10 and 13 sites. While the General Plan designates residential uses on the project sites, a General Plan Amendment and Zone Change is being requested to increase residential intensity to allow for the proposed 670 residential units. An Amended WSA has been completed in response to the City's request for the proposed revised Planning Area 39 Lots 10 and 13 Project, which is provided as Exhibit "B". The WSA for the proposed project is based on information from IRWD's most recent Water Resources Master Plan. Estimates show an increase in IRWD potable water demands for the revisions to the project in the amount of 101 acre-feet per year (AFY) and an increase of 9 AFY of non-potable demands.

The Amended 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. This demand is in addition to the existing and other planned future uses including, but not limited to, agricultural and manufacturing uses.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

The development of Water Supply Assessments is exempt from the California Environmental Quality Act as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15262 which provides exemption for planning studies.

RECOMMENDATION:

That the Board approve the Amended Water Supply Assessment for the revised Planning Area 39 Lots 10 and 13 Project.

LIST OF EXHIBITS:

Exhibit "A" – Planning Area 39 Lots 10 and 13 Location Map

Exhibit "B" – Amended Water Supply Assessment for Planning Area 39 Lots 10 and 13 Project

Exhibit "A"



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Exhibit "B"

AMENDED
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 92606

(Applicant)
The Irvine Company
550 Newport Center Drive
Newport Beach, CA 92658-6370

Project Information

Project Title: Planning Area 39 Phase 3, Lot 10 and Lot 13 (Exhibit A)

- Residential: No. of dwelling units: 670 dwelling units (See Exhibit B)
- Shopping center or business: No. of employees _____ Sq. ft. of floor space _____
- Commercial office: No. of employees _____ Sq. ft. of floor space _____
- Hotel or motel: No. of rooms _____
- Industrial, manufacturing or processing: No. of employees _____ No. of acres _____
Sq. ft. of floor space _____
- Mixed use (check and complete all above that apply) _____
- Other: _____ Greenbelt and parks (see Exhibit B)

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. This Amended Assessment amends the Assessment dated November 29, 2005, to adjust water demand figures as shown in Figures 1 through 8 in order to reflect the effect on the Project of the proposed land use change designated “Planning Area (PA) 39 Phase 3 Residential, Lot 10 and Lot 13” as requested by the letter from the City of Irvine dated May 25, 2023 (see Exhibit B).

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 is consistent with historical regional demand variation as documented in the Metropolitan Water District of Southern California's ("MWD's") Integrated Resources Plan (1996) (Volume 1). This increase in estimated demands is considered conservative and is also 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).

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 2043, 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 2043):

- 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 2043. (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 2043. (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 2043. (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.

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. At present, several proceedings concerning Delta operations are ongoing 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 are defining 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 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 which proposes to strengthen the Adaptive Management Approach and scenario planning to allow for the evaluation of investments and actions needed to achieve desired reliability under a diverse range of future conditions.

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, 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.

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. 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

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 a reduction of approximately 7% in MWD's expected average year SWP entitlement supplies. This amount is a smaller percentage reduction than MWD's 2007 estimate of 22% that was used by IRWD for purposes of this analysis. For purposes of a conservative analysis, IRWD has used the 22% reduction cited by MWD in its October 2007 IRP Implementation Report as the basis of IRWD's analysis.

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

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

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.

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.

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 2043 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. MWD 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 and can also establish "signposts" that can be monitored to see when crucial changes may be happening. MWD has stated 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. Per the MWD 2020 UWMP, MWD has made great efforts to implement greenhouse gas mitigation programs and policies for its facilities and operations. MWD is developing a Climate Action Plan which sets the target and guides future actions to reduce emission levels and complements MWD's IRP. Potential climate change impacts on state, 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.

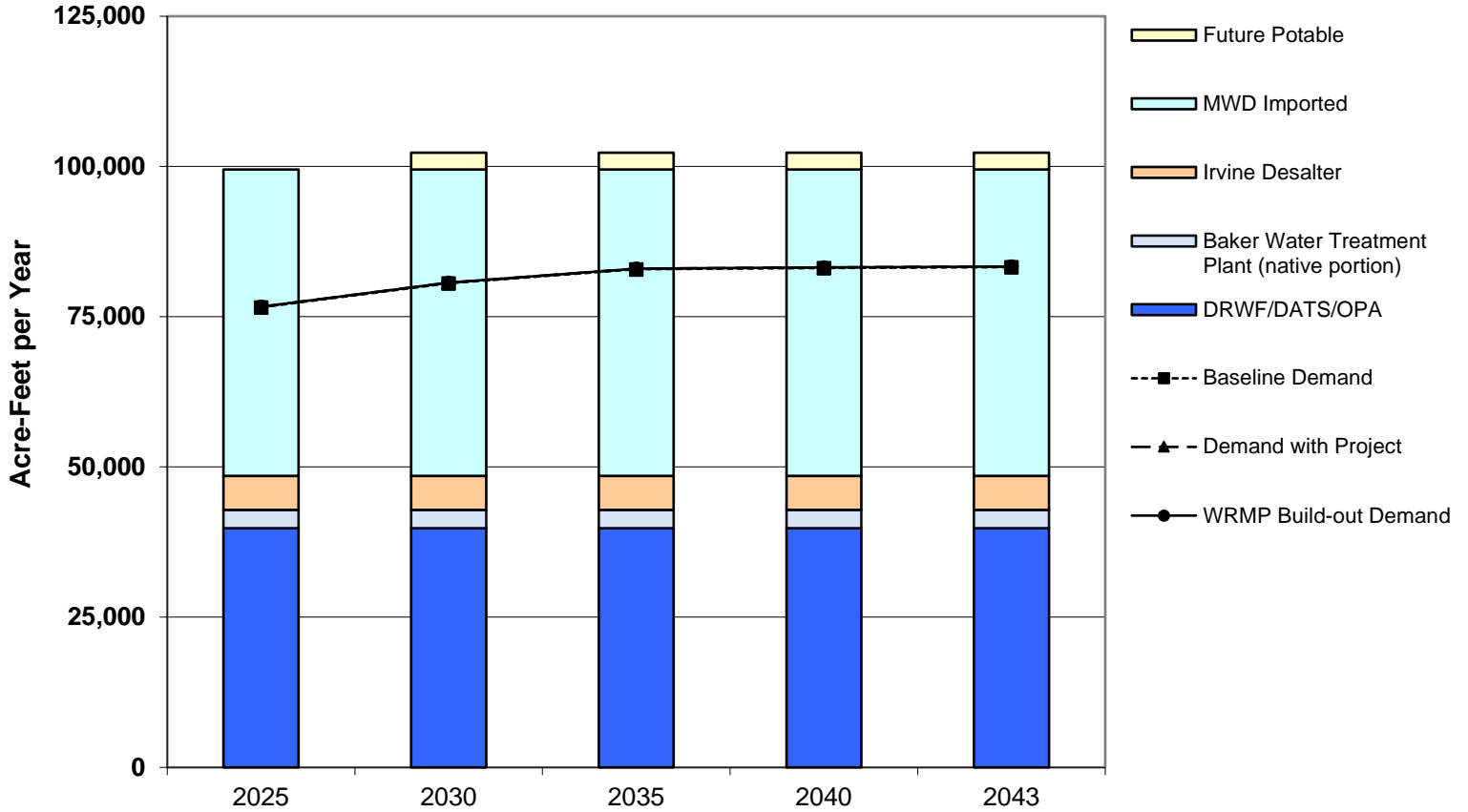
As discussed under "*IRWD's Evaluation of Effect of Reduced MWD Supplies to IRWD*" (see above), IRWD has effectively analyzed an imported water supply reduction up to a level 5 Regional Shortage Stage in Figures 1a, 2a, 3a. These Figures, however, do not reflect a reduction in demands, thus representing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



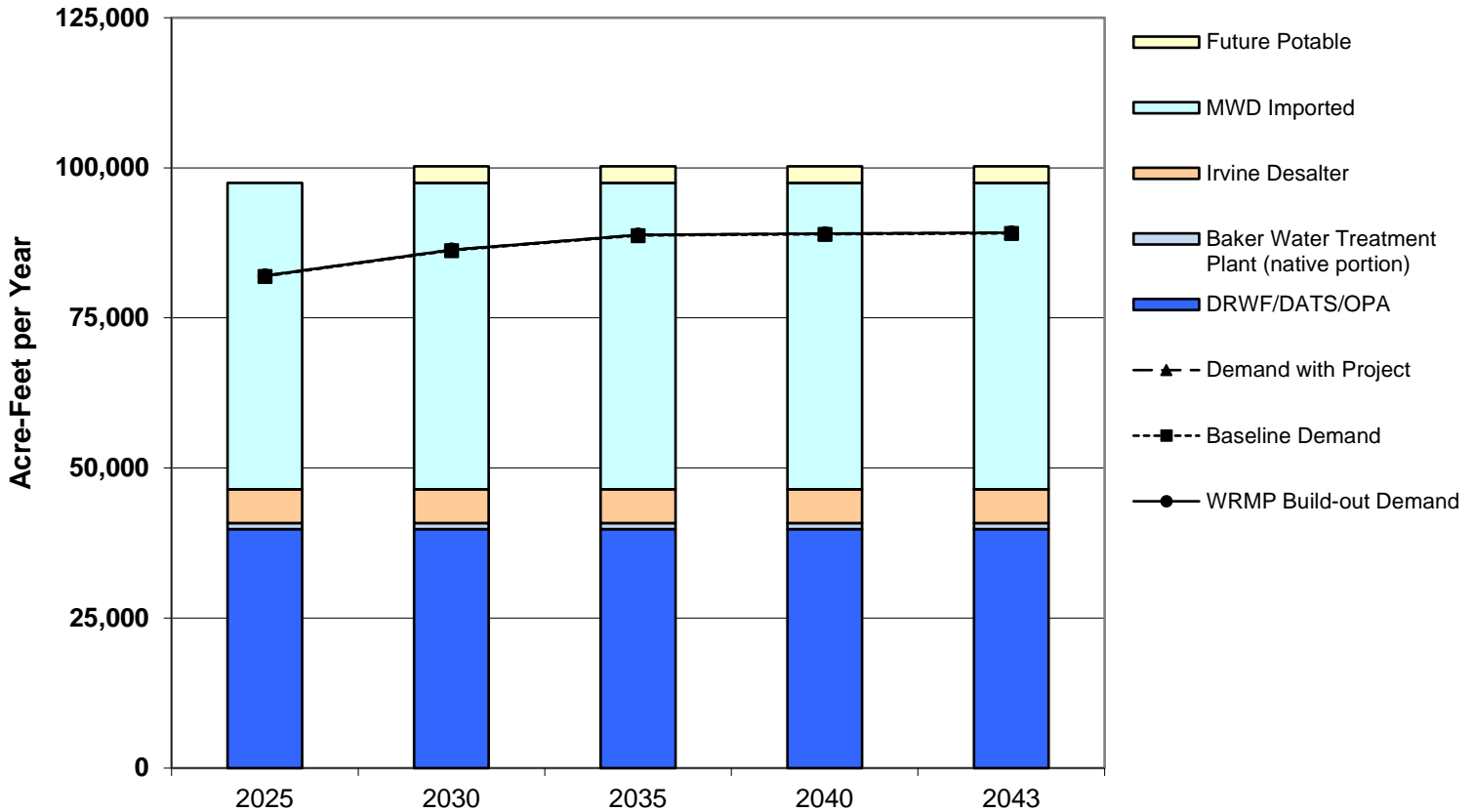
(in acre-feet per year)	2025	2030	2035	2040	2043
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Baker)	51,027	51,027	51,027	51,027	51,027
DRWF/DATS/OPA	39,818	39,818	39,818	39,818	39,818
Irvine Desalter	5,618	5,618	5,618	5,618	5,618
Wells 21 & 22	2,400	2,400	2,400	2,400	2,400
Baker Water 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	76,562	80,572	82,920	83,127	83,252
Demand with Project	76,663	80,672	83,020	83,228	83,353
WRMP Build-out Demand	76,663	80,672	83,020	83,228	83,353
Reserve Supply with Project	25,248	24,039	21,690	21,483	21,358

Notes: By agreement, IRWD is required to count the production from the Irvine Subbasin in calculating available supplies for TIC developments (see Potable Supply-Groundwater).

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**



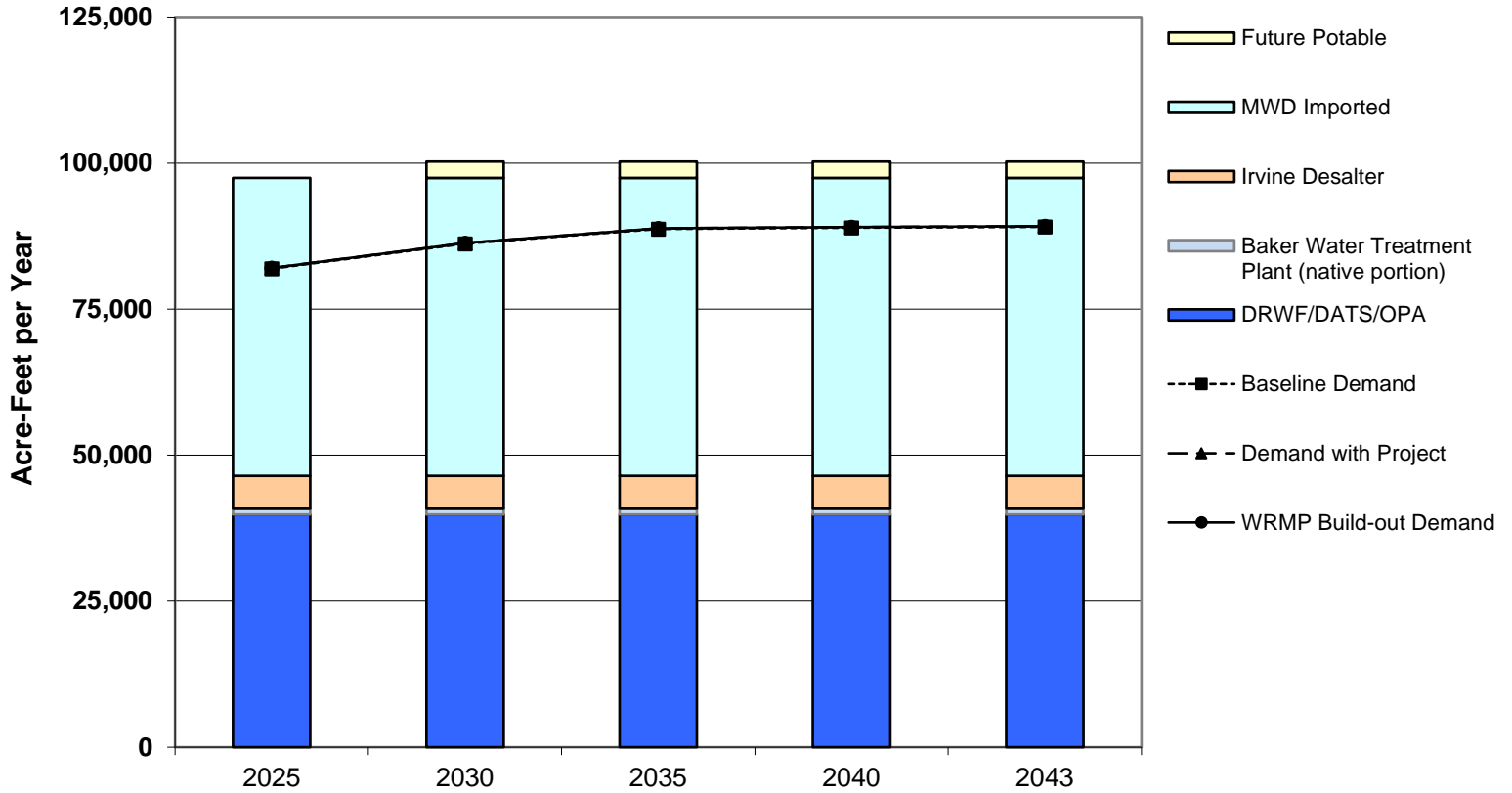
(in acre-feet per year)	2025	2030	2035	2040	2043
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Baker)	51,027	51,027	51,027	51,027	51,027
DRWF/DATS/OPA	39,818	39,818	39,818	39,818	39,818
Irvine Desalter	5,618	5,618	5,618	5,618	5,618
Wells 21 & 22	2,400	2,400	2,400	2,400	2,400
Baker Water 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	81,922	86,212	88,724	88,946	89,080
Demand with Project	82,030	86,319	88,832	89,054	89,188
WRMP Build-out Demand	82,030	86,319	88,832	89,054	89,188
Reserve Supply with Project	17,833	16,343	13,831	13,608	13,475

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 (see Potable Supply-Groundwater).

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



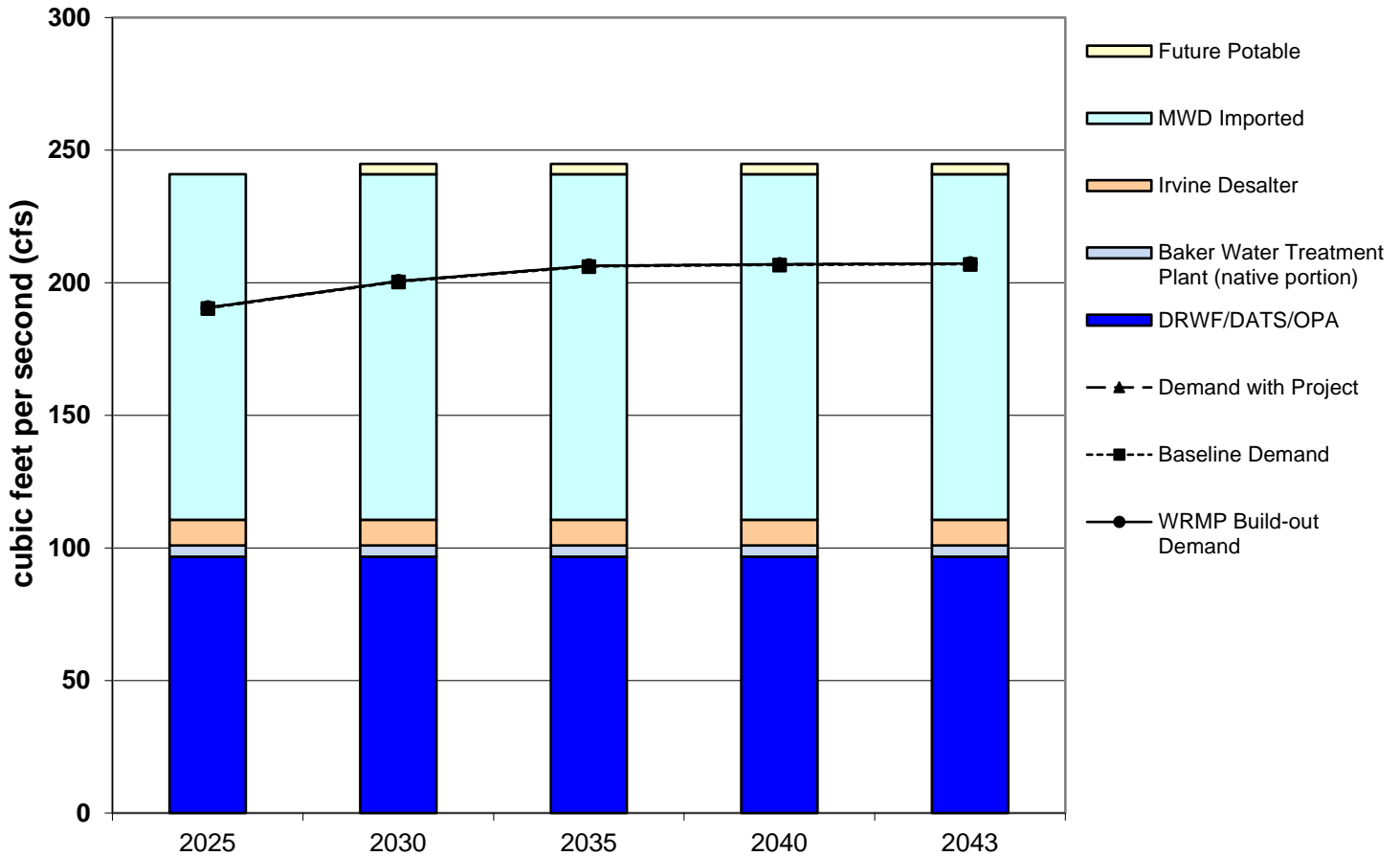
(in acre-feet per year)	2025	2030	2035	2040	2043
Current Potable Supplies					
MWD Imported (EOCF#2, AMP, OCF, Bake)	51,027	51,027	51,027	51,027	51,027
DRWF/DATS/OPA	39,818	39,818	39,818	39,818	39,818
Irvine Desalter	5,618	5,618	5,618	5,618	5,618
Wells 21 & 22	2,400	2,400	2,400	2,400	2,400
Baker Water 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	81,922	86,212	88,724	88,946	89,080
Demand with Project	82,030	86,319	88,832	89,054	89,188
WRMP Build-out Demand	82,030	86,319	88,832	89,054	89,188
Reserve Supply with Project	17,833	16,343	13,831	13,608	13,475

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 (see Potable Supply-Groundwater).

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

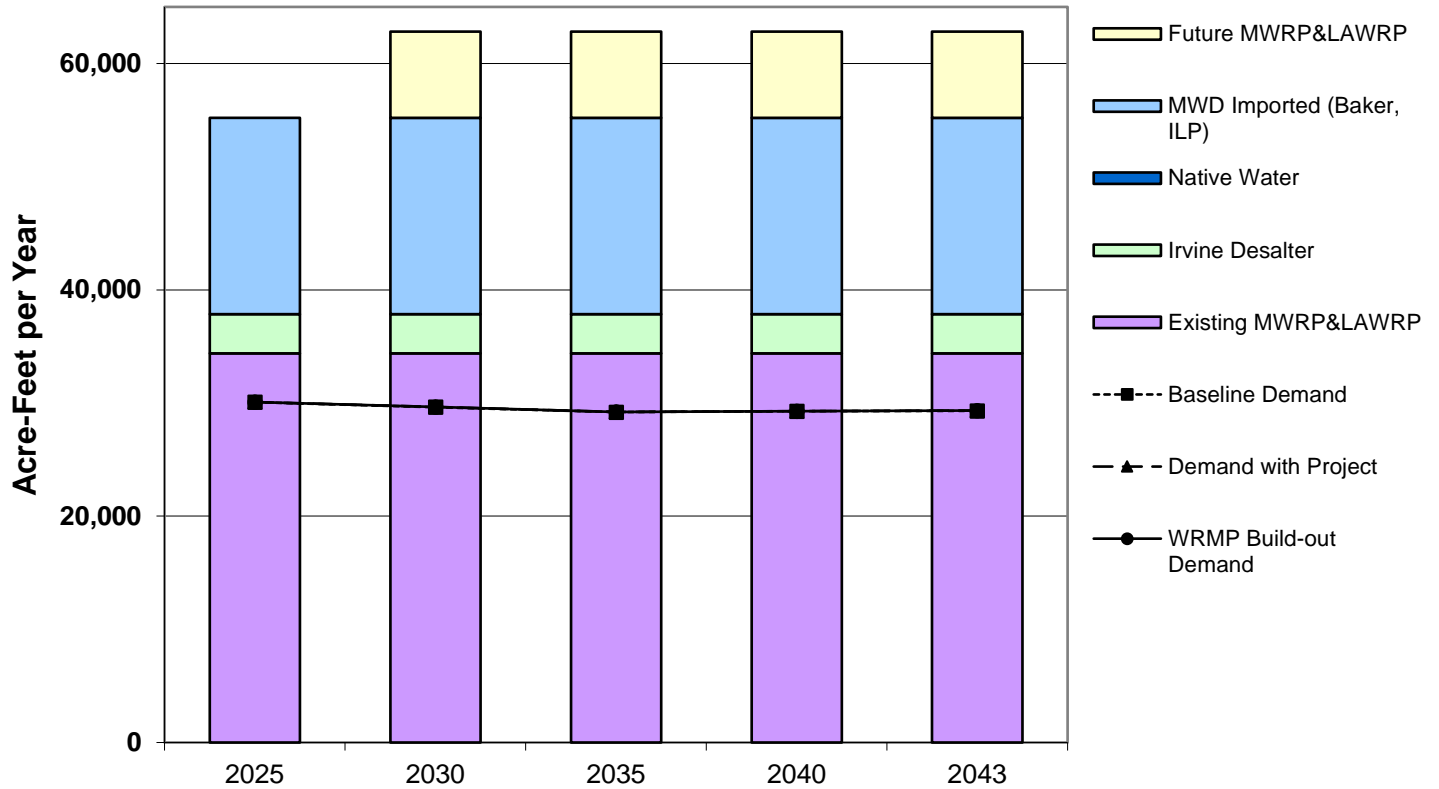
Baker Water Treatment Plant is supplied untreated imported water and native water from Irvine Lake.

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



(in cfs)	2025	2030	2035	2040	2043
Current Potable Supplies					
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
Supplies Under Development					
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	190.3	200.3	206.2	206.7	207.0
Demand with Project	190.6	200.6	206.4	206.9	207.2
WRMP Build-out Demand	190.6	200.6	206.4	206.9	207.2
Reserve Supply with Project	59.0	52.9	47.0	46.5	46.2

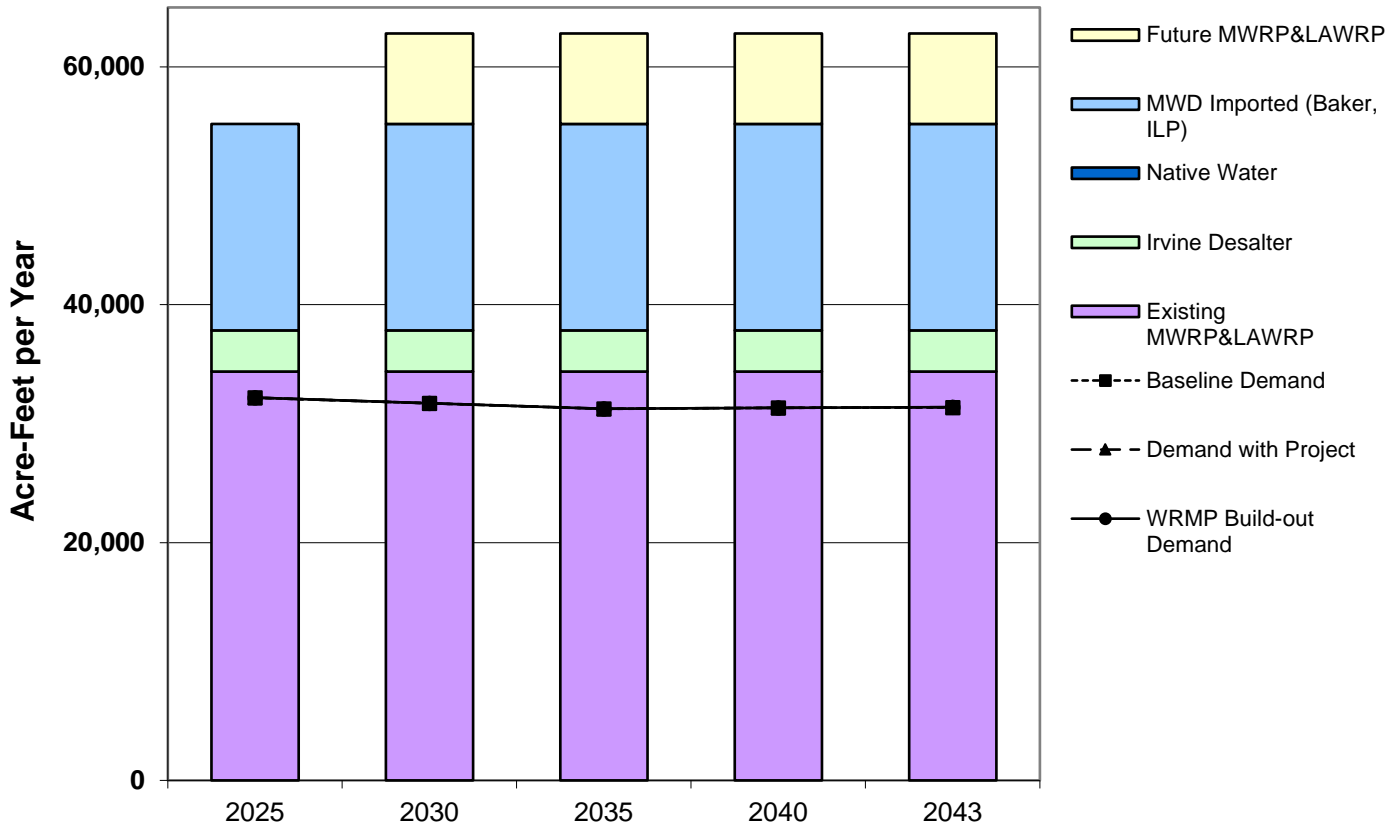
**Figure 5
IRWD Normal-Year Supply & Demand - Nonpotable Water**



(in acre-feet per year)	2025	2030	2035	2040	2043
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	30,074	29,636	29,199	29,272	29,316
Demand with Project	30,083	29,645	29,208	29,281	29,325
WRMP Build-out Demand	30,083	29,645	29,208	29,281	29,325
Reserve Supply with Project	25,114	33,175	33,612	33,539	33,495

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

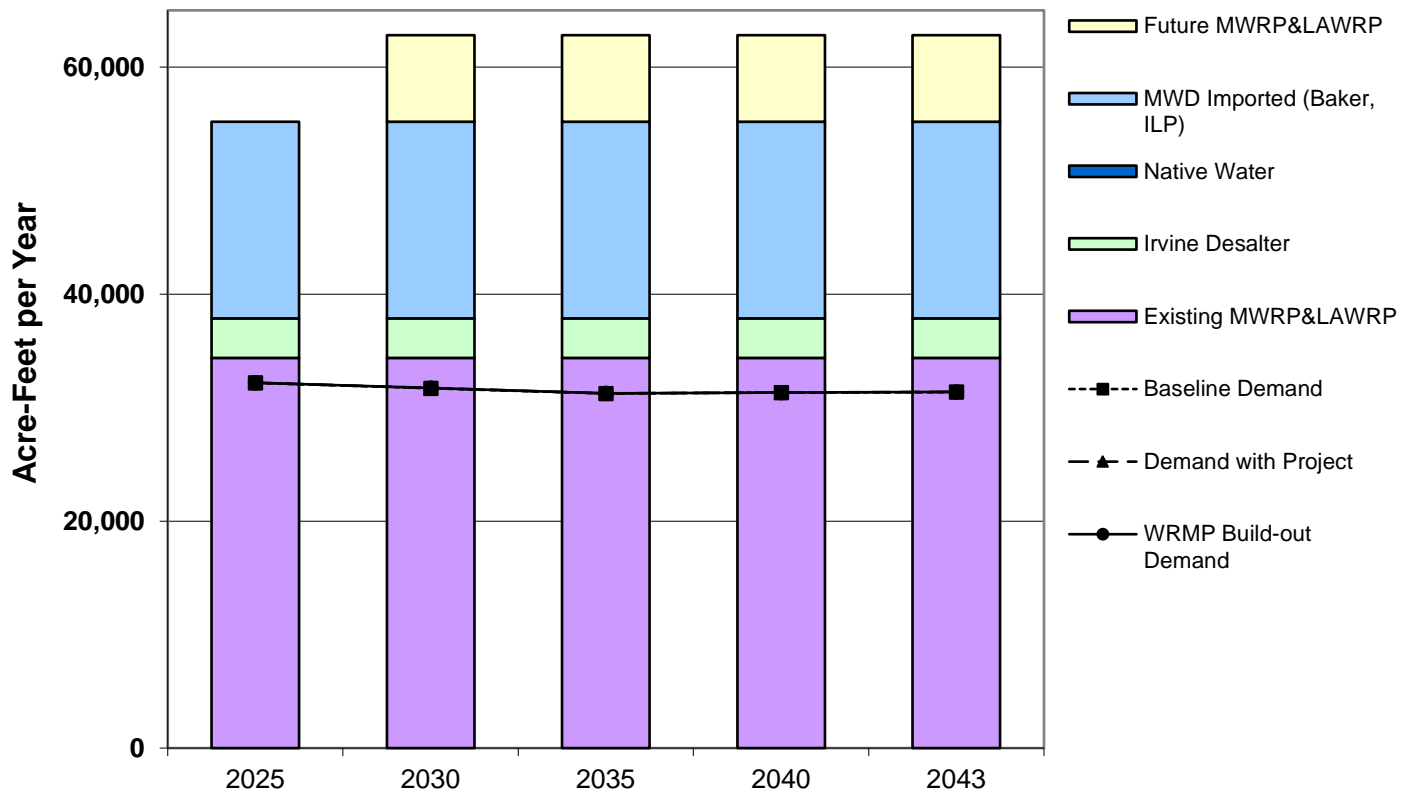
**Figure 6
IRWD Single Dry-Year Supply & Demand - Nonpotable Water**



(in acre-feet per year)	2025	2030	2035	2040	2043
<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	32,179	31,711	31,243	31,321	31,368
Demand with Project	32,189	31,720	31,252	31,331	31,378
WRMP Build-out Demand	32,189	31,720	31,252	31,331	31,378
Reserve Supply with Project	23,008	31,100	31,568	31,489	31,442

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

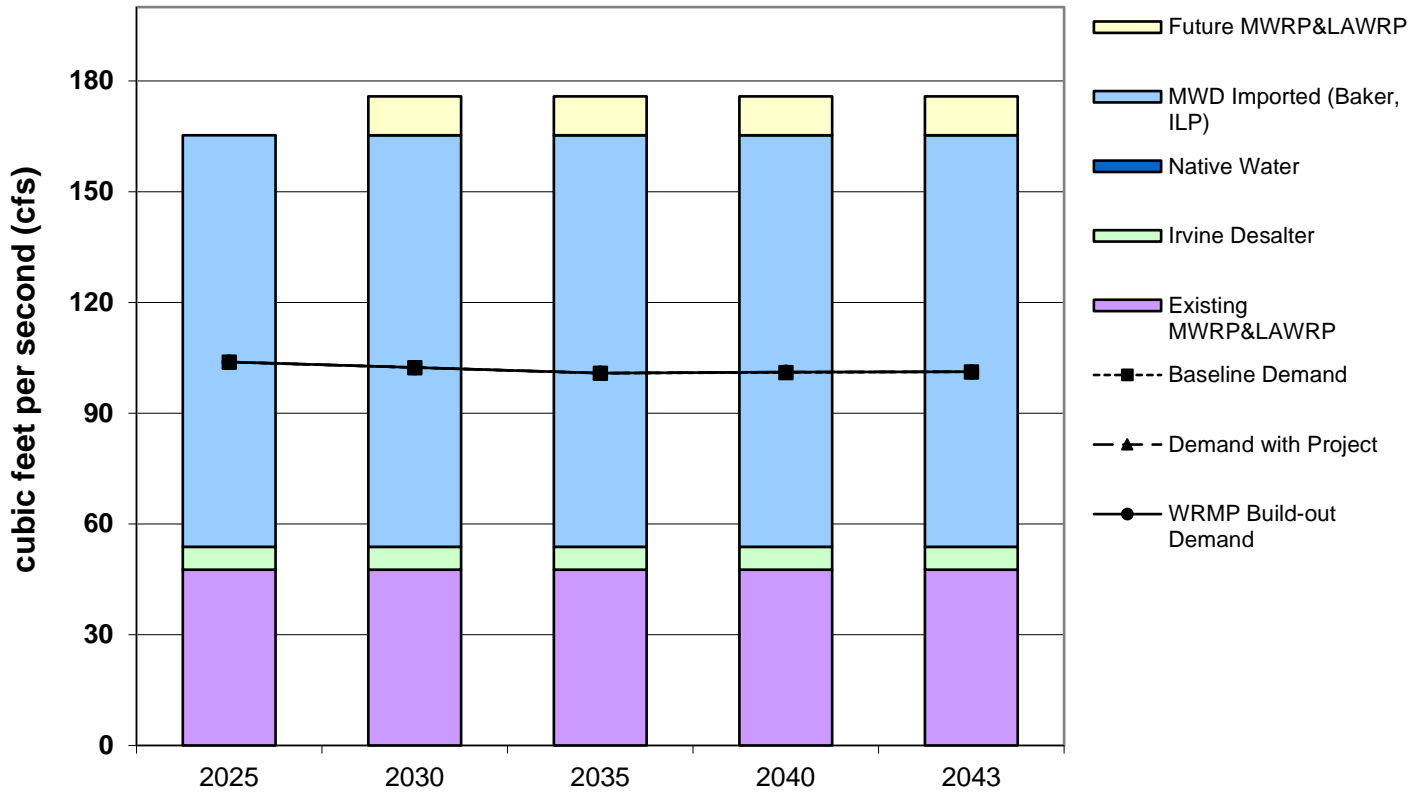
**Figure 7
IRWD Multiple Dry-Year Supply & Demand - Nonpotable Water**



(in acre-feet per year)	2025	2030	2035	2040	2043
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	32,179	31,711	31,243	31,321	31,368
Demand with Project	32,189	31,720	31,252	31,331	31,378
WRMP Build-out Demand	32,189	31,720	31,252	31,331	31,378
Reserve Supply with Project	23,008	31,100	31,568	31,489	31,442

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

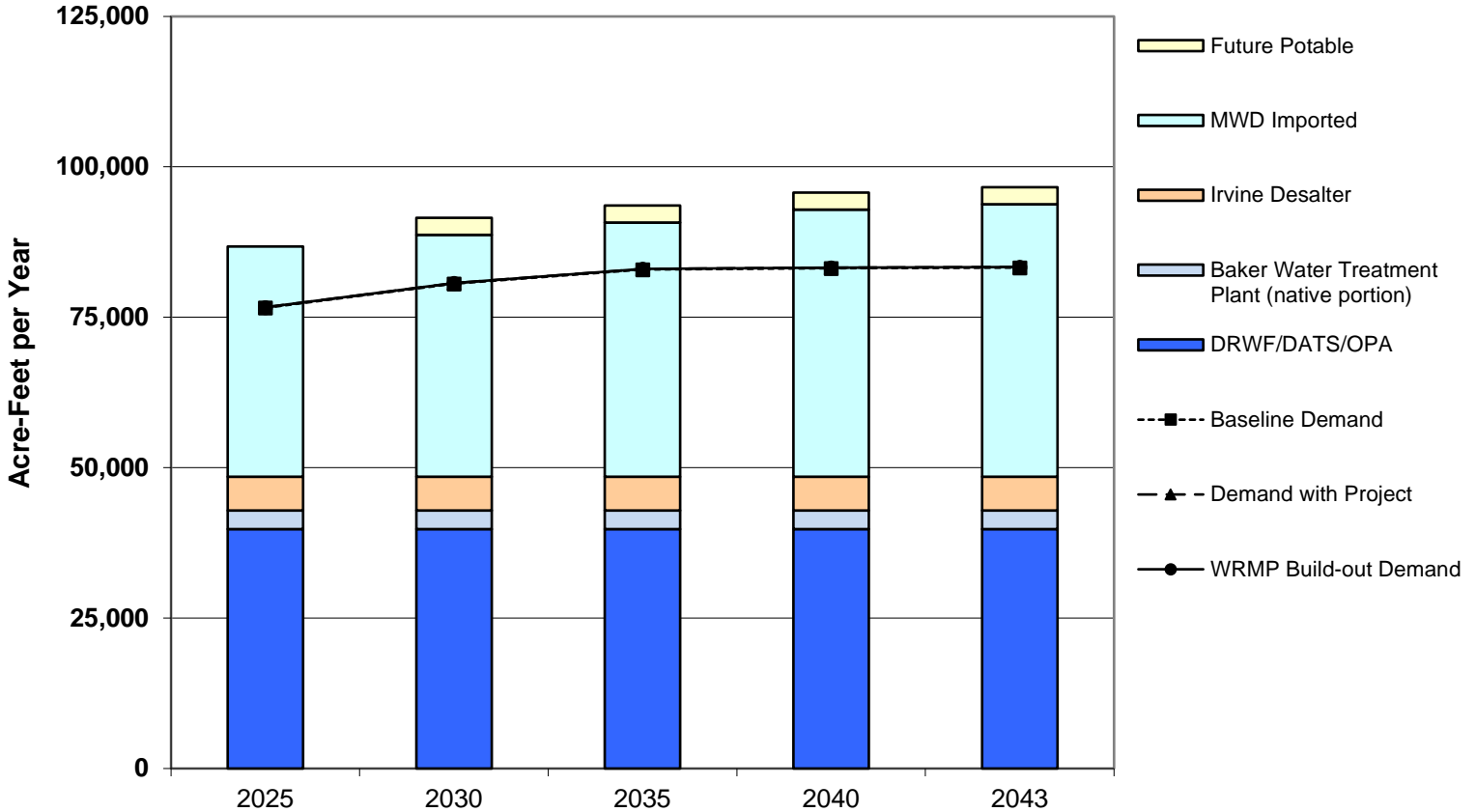
Figure 8
IRWD Maximum-Dry Supply & Demand - Nonpotable Water



(in cfs)	2025	2030	2035	2040	2043
Current Nonpotable Supplies					
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	103.8	102.3	100.8	101.1	101.2
Demand with Project	103.9	102.4	100.9	101.1	101.3
WRMP Build-out Demand	103.9	102.4	100.9	101.1	101.3
Reserve Supply with Project	61.4	73.5	75.0	74.7	74.6

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

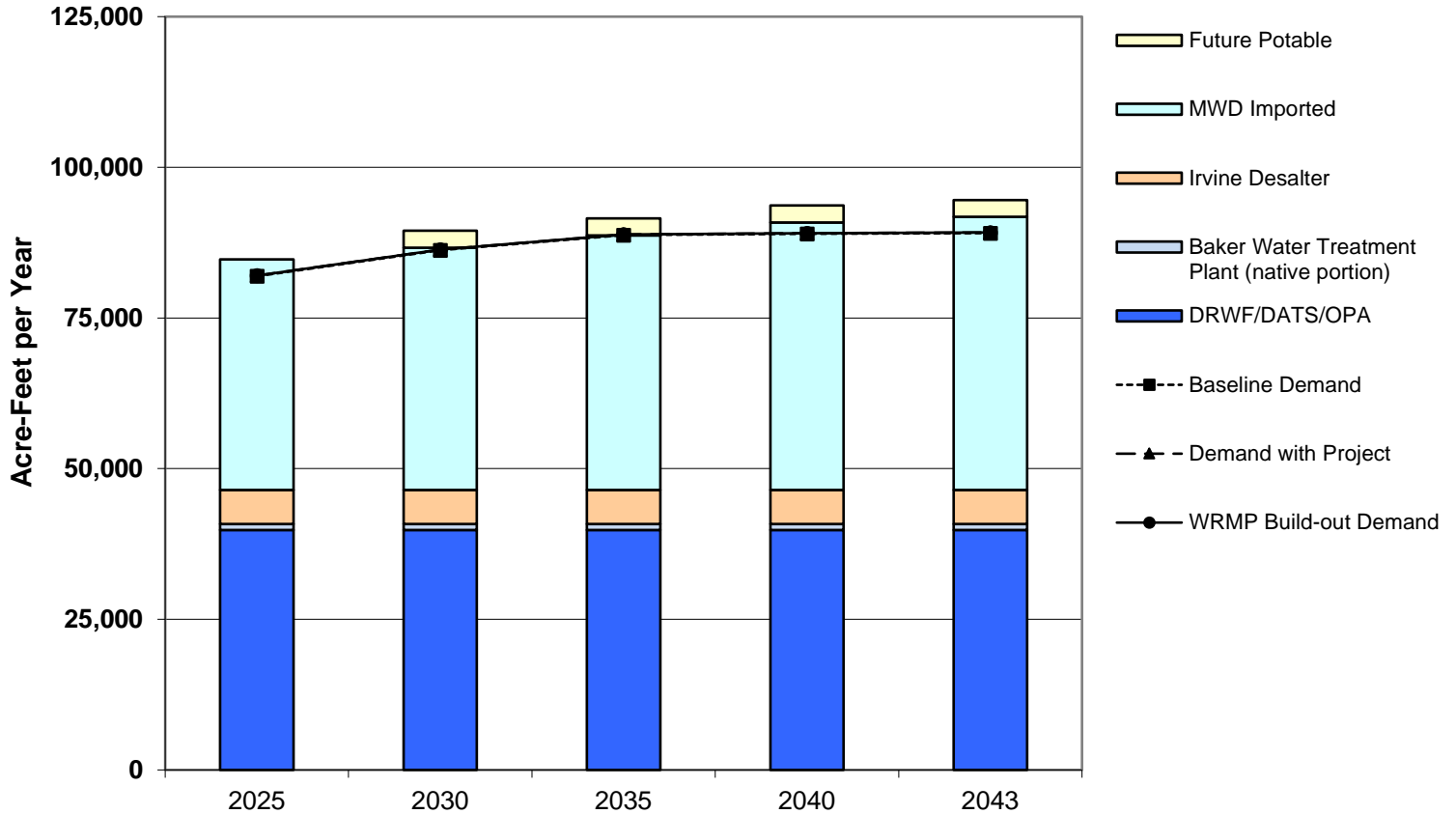
Figure 1a
IRWD Normal-Year Supply & Demand - Potable Water
Under Temporary MWD Allocation*



(in acre-feet per year)	2025	2030	2035	2040	2043
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	76,562	80,572	82,920	83,127	83,252
Demand with Project	76,663	80,672	83,020	83,228	83,353
WRMP Build-out Demand	76,663	80,672	83,020	83,228	83,353
Reserve Supply with Project	12,491	13,234	12,938	14,886	15,654

*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. Under a MWD Allocation, IRWD could supplement supplies with groundwater production which can exceed applicable basin percentages on a short-term basis or transfer water from IRWD's water bank. IRWD may also reduce demands by implementing shortage contingency measures as described in the 2020 UWMP. Under a MWD Allocation, the Baker WTP would be limited to available MWD and native water.

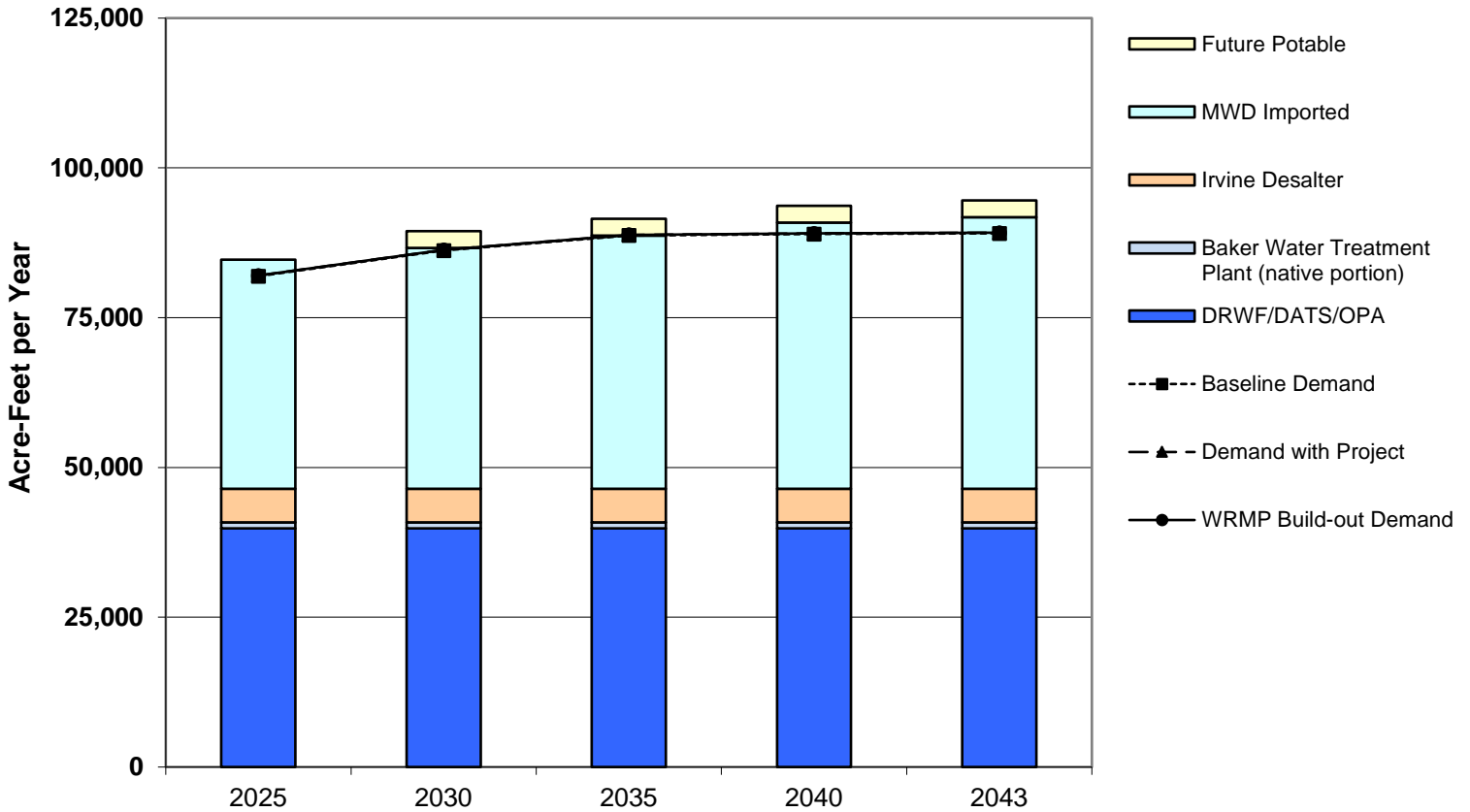
Figure 2a
IRWD Single Dry-Year Supply & Demand - Potable Water
Under Temporary MWD Allocation*



(in acre-feet per year)	2025	2030	2035	2040	2043
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)	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	87,106	91,858	93,910	96,066	96,959
Baseline Demand	81,922	86,212	88,724	88,946	89,080
Demand with Project	82,030	86,319	88,832	89,054	89,188
WRMP Build-out Demand	82,030	86,319	88,832	89,054	89,189
Reserve Supply with Project	5,076	5,539	5,078	7,012	7,772

*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. Under a MWD Allocation, IRWD could supplement supplies with groundwater production which can exceed applicable basin percentages on a short-term basis or transfer water from IRWD's water bank. IRWD may also reduce demands by implementing shortage contingency 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	2043
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)	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	87,106	91,858	93,910	96,066	96,959
Baseline Demand	81,922	86,212	88,724	88,946	89,080
Demand with Project	82,030	86,319	88,832	89,054	89,188
WRMP Build-out Demand	82,030	86,319	88,832	89,054	89,188
Reserve Supply with Project	5,076	5,539	5,078	7,012	7,772

*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. Under a MWD Allocation, IRWD could supplement supplies with groundwater production which can exceed applicable basin percentages on a short-term basis or transfer water from IRWD's water bank. IRWD may also reduce demands by implementing shortage contingency 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	6,9
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	2,800
Total Under Development	3.9	2,800	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))

(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 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

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

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 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 (“DWRF”) / 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 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 2043. 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 the right to diversion by storage at Santiago Dam (Irvine Lake) and a submerged

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

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.

(ii) See discussion of the Irvine Desalter project under Potable Supply -

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.

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), budgeting portions of the funds 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) 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 exceeds the natural replenishment of the Basin. Accumulated overdraft is

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.

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
2023	36,558	4,692	0	0
2022	35,344	5,159	0	0

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.

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 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 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

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 2023-24. 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.

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 2022.

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

Southern California’s Integrated Water Resources Plan, Metropolitan Water District of Southern California, March 1996

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

Board Letter, Action plan for updating the Integrated Resources Plan, Metropolitan Water District of Southern California, December 11, 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 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 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

2021-2022 Engineer's Report on Groundwater Conditions, Water Supply and Basin Utilization in the Orange County Water District, Orange County Water District, February 2023

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

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

Exhibit A

Depiction of Project Area



Los Olivos Village
Promenade Site Plan



burton

Exhibit B

Uses Included in Project



5/25/2023

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. Therefore, the City is required to include this assessment in the environmental document for the Project, and based on the record, make a determination on whether projected water supplies are sufficient for the Project and existing and planned uses.

Proposed Project Information

Project Title: Planning Area 39 Phase 3 Residential, Lot 10 (APNs 588-291-13 & 588-291-14) and Lot 13 (APN 588-291-10) of Tract Map No. 17759

Location of project: Lot 10 is located at the southwest corner of Gitano and Encanto and Lot 13 is located west of Alfonso and Dana

- (For projects requiring a new assessment under Water Code §10910 (h).) Previous Water Supply Assessment including this project was prepared on: November 29, 2005. 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: 670 dwelling units
- Shopping center or business: No. of employees _____ Sq. ft. of floor space _____
- Commercial office: No. of employees _____ Sq. ft. of floor space _____

- Hotel or motel: No. of rooms _____
- Industrial, manufacturing, processing or industrial park: No. of employees _____
No. of acres _____ Sq. ft. of floor space _____
- Mixed use (check and complete all above that apply)
- Other: _____

Total acreage of project: 10 acres (Lot 10) and 17.5 acres (Lot 13)

Acreage devoted to landscape:
 Greenbelt _____ golf course _____ parks _____
 Agriculture _____ other landscaped areas _____

Number of schools Zero Number of public facilities Existing 12.5-acre Community Park

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:

What is the current land use of the area subject to a land use change under the project?
Current use is vacant residentially-zone land.

Is the project included in the existing General Plan? Yes
 If no, describe the existing General Plan Designation While the General Plan designates residential uses on the project site, applications have been filed for a General Plan Amendment and Zone Change to increase residential intensity to allow for the proposed 670 residential units on these sites with existing residential designations in the City's General Plan and Zoning Ordinance .

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: JM
Juliet Mukasa, Associate Planner

REQUEST RECEIVED:

Date: June 5, 2023

By: Kelli Wilson
Irvine Ranch Water District

REQUEST COMPLETE:

Date: June 15, 2023

By: Kelli Wilson
Irvine Ranch Water District



**Project Site
+/- 70 Units**

