

AGENDA
IRVINE RANCH WATER DISTRICT
SUPPLY RELIABILITY PROGRAMS COMMITTEE
THURSDAY, JULY 16, 2026

This meeting will be held in-person at the District’s headquarters located at 15600 Sand Canyon Avenue, Irvine, California. The meeting will be held on the second floor in the Committee room, please check in with the receptionist for access. The meeting will also be broadcasted via Webex for those wanting to observe the meeting virtually.

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

Via Web: <https://irwd.webex.com/irwd/j.php?MTID=m61ce1e72b2d895d267b574cca008f41e>
Meeting Number (Access Code): 2486 433 9868
Meeting Password: xyDbpAED322

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

PLEASE NOTE: Participants joining the meeting will be placed into the Webex lobby when (if) 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.

<u>ATTENDANCE</u>	Committee Chair:	Daniel Feron	_____
	Committee Member:	Peer Swan	_____

<u>ALSO PRESENT</u>	Paul Cook	_____	Paul Weghorst	_____
	Neveen Adly	_____	Fiona Nye	_____
	Natalie Palacio	_____	Robert Huang	_____
	Melody Seesangrit	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

PUBLIC COMMENT NOTICE

If you wish to address the Committee on any item, you may attend the meeting in person and submit a “speaker slip” to the Committee Chair. Forms are provided at the front of the Committee Room. Public comments are limited to three minutes per speaker on each subject. If you wish to submit written comments to the Committee, please submit your public comment in advance of the meeting by emailing comments@irwd.com before 8:30 a.m. on Thursday, July 16, 2026, and your remarks will be added to the record at the meeting.

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.
4. Determine which items may be approved without discussion.

INFORMATION

- | | |
|---|--|
| <ol style="list-style-type: none">5. <u>WATER BANKING PROJECT FACILITIES, CAPACITIES, OPERATIONS, AND PROGRAMS – PALACIO / NYE / WEGHORST</u>

Recommendation: Receive and file.6. <u>SITES RESERVOIR PROJECT UPDATE AND DRAFT TERMS FOR BENEFITS AND OBLIGATION CONTRACT – HUANG / NYE / WEGHORST</u>

Recommendation: Receive and file | |
|---|--|

OTHER BUSINESS

7. Receive Oral Updates from District’s liaison to Dudley Ridge Water District and provide information on relevant activities.
8. Directors’ Comments
9. 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.

July 16, 2026

Prepared by: N. Palacio

Submitted by: F. Nye / P. Weghorst

Approved by: Paul A. Cook 

SUPPLY RELIABILITY PROGRAMS COMMITTEE

WATER BANKING PROJECT FACILITIES, CAPACITIES, OPERATIONS, AND PROGRAMS

SUMMARY:

Staff has prepared information related to IRWD's water banking facilities, capacities, operations, and exchange programs. The information is regularly updated to reflect changes in the status of IRWD's projects, programs, and operations. At the Committee meeting, staff will review this information, provide an overview and status of IRWD's exchange programs and discuss forecasted monthly recharge operations for 2026. Staff will also provide an update on water supply conditions in California.

BACKGROUND:

Staff has prepared reference materials in tabular, map, and schematic formats to describe IRWD's water banking facilities, capacities, operations, storage, and exchange programs. These reference materials are updated regularly to reflect changes in the status of the projects, programs, and operations. The following is an overview of the reference materials, the status of IRWD's exchange programs and forecasted recharge operations for calendar year 2026 at the IRWD Water Bank.

Capacity and Operations Tables:

A table presenting storage, recharge, and recovery capacities of existing IRWD water banking projects, including capacities available to IRWD in the Kern Water Bank, is provided as Exhibit "A". Exhibits "B" and "C" provide an update on water banking recovery and recharge operations as well as the balance of the water stored in the Kern Water Bank. Exhibit "B" provides before-loss estimates of water recharged and stored at the water banking projects. Exhibit "C" shows after-loss estimates of water recharged and stored at the projects. Changes to Exhibits "B" and "C" depict recharge of 6,000 AF of Dudley Ridge Water District's State Water Project Table A water in 2025 for the benefit of IRWD and Las Virgenes Municipal Water District.

Summary of Programs:

A table summarizing IRWD's water purchase and exchange programs is presented as Exhibit "D". This table lists each water purchase and exchange program IRWD has entered into and presents information related to the type of exchange, year executed, agreement type, and water type. IRWD and partner shares are listed, and the table shows the accumulated total amount of water secured by each program. The balances listed for IRWD and its partners show the amount of water remaining in storage with IRWD's balances specifying whether the water is stored in Metropolitan Water District's system, Kern County, or owed to IRWD by Dudley Ridge. Changes made to Exhibit "D" are consistent with the changes made to Exhibits "B" and "C".

Exhibit “E” graphically depicts how storage of State Water Project (SWP) and non-SWP water has changed annually in the Strand and Stockdale Integrated Banking Projects. Exhibit “E” also depicts the balance of water owed to IRWD by Dudley Ridge shown as credits, which are now zero acre-feet. The tables provided as Exhibit “F” show how capacities in the water banking projects have been dedicated to IRWD’s existing and proposed exchange programs.

Project Maps:

To support the tables and figures provided as Exhibits “A”, “B”, “C”, “D”, “E”, and “F”, staff has prepared maps depicting project wells, pipelines, recharge basins, and Cross Valley Canal turnout locations, along with the most current recharge rates. These maps are provided as Exhibits “G”, “H”, and “I”, respectively. Exhibit “I” includes the most recent sustained recharge rates at the IRWD Water Bank. The facilities shown on the maps are associated with the Strand Ranch, Stockdale West, Stockdale East, and Drought Relief Projects.

Program Agreement Diagrams:

Schematic diagrams have been prepared that depict IRWD water banking and exchange programs with Rosedale-Rio Bravo Water Storage District, Buena Vista Water Storage District, Dudley Ridge, Metropolitan, Antelope Valley-East Kern Water Agency, and Santa Clara Valley Water District (Valley Water). These diagrams are provided as Exhibits “J”, “K”, “L”, “M”, “N”, “O”, “P”, and “Q” as described in the List of Exhibits.

Cost of Water Tables:

A summary of the costs of water from each of IRWD’s unbalanced exchange partnerships through the year 2023 is provided as Exhibit “R”. Exhibit “R” provides a summary of the cost to recover exportable water from the IRWD Water Bank and deliver it to IRWD’s service area. The table lists each of IRWD’s unbalanced exchange partnerships and presents information related to the period over which water was acquired, water type, IRWD’s share of water, various cost components, and the total cost of water delivered to IRWD’s service area. Cost components include a *Cost of Water* made up of fixed and variable operating costs plus a capital cost of water, estimated future IRWD recovery costs, and the 2026 Metropolitan Full Service Untreated Tier-1 Rate. The costs of water are presented on a dollar per acre-foot basis. Exhibit “R” will be updated periodically as invoices are received from Rosedale.

IRWD’s Coordinated Agreement with Metropolitan:

An overview of IRWD’s Coordinated Operating, Water Storage, Exchange, and Delivery Agreement with Metropolitan and Municipal Water District of Orange County is provided as Exhibit “S”. The benefits to IRWD are foundational to the success of IRWD’s water banking project and programs.

Status of Programs and Forecasted 2026 Recharge Activities:

The presentation included as Exhibit “T” provides an overview and status of each IRWD exchange program, how exchanges can occur using SWP carryover water, and important considerations when implementing exchanges. Transfers and exchanges involving SWP carryover water are managed in accordance with the [Water Management Amendment](#) to the State Water Project Contract. At the Committee meeting, staff will walk through the presentation.

Exhibit “U” provides a summary of anticipated recharge operations for 2026. Currently, staff expects deliveries from Dudley Ridge, Valley Water, Homer, and Metropolitan towards the end of the year.

Water Supply Conditions:

At the meeting, staff will update the Committee on California water supply conditions and how conditions might affect recharge operations at IRWD’s Water Bank.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

Receive and file.

LIST OF EXHIBITS:

- Exhibit “A” – Recharge, Storage, and Recovery Capacities of Current and Anticipated Water Banking Projects
- Exhibit “B” – Water Banking Storage, Recharge, and Recovery Operations before Losses
- Exhibit “C” – Water Banking Storage, Recharge, and Recovery Operations after Losses
- Exhibit “D” – Status of IRWD Purchase and Exchange Programs
- Exhibit “E” – Historic Water Storage in Strand and Stockdale Projects
- Exhibit “F” – Dedicated Capacities of Current Water Banking Projects
- Exhibit “G” – Map of Water Banking Project Wells and Pipelines
- Exhibit “H” – Map of Water Banking Recharge Basins and Turnout Facilities
- Exhibit “I” – Map of Water Banking Recharge Rates
- Exhibit “J” – Diagram of IRWD-Rosedale Water Banking and Exchange Program Agreements
- Exhibit “K” – Diagram of Long-term Water Exchange Program with Buena Vista Water Storage District and Diagram of One-year Program to Augment Recharge Using Stockdale West Recharge Facilities with Buena Vista Water Storage District

- Exhibit “L” – Diagram of Unbalanced Exchange Program Diagram with Dudley Ridge
- Exhibit “M” – Diagram of Coordinated Operating, Water Storage, Exchange, and Delivery Agreement with Metropolitan
- Exhibit “N” – Diagram of Template Wheeling Agreement with Metropolitan
- Exhibit “O” – Diagram of Dudley Ridge One-for-One Exchange
- Exhibit “P” – Diagram of Long-term Water Exchange Program with Antelope Valley-East Kern
- Exhibit “Q” – Diagram of Long-term Water Exchange Program with Valley Water
- Exhibit “R” – Water Banking Estimated Cost of Water Exportable to IRWD Service Area
- Exhibit “S” – Summary of IRWD’s Coordinated Operating, Water Storage, Exchange and Delivery Agreement with Metropolitan and MWDOC (updated 8 Feb 2024)
- Exhibit “T” – Presentation on Status of IRWD Exchange Programs
- Exhibit “U” – Forecasted 2026 Recharge Operations

TABLE 1
Current and Anticipated Water Banking Projects
Recharge, Storage and Recovery Capacities
July 16, 2026

WATER BANKING PROJECT	OWNERSHIP AND WELL INFO		ALLOCATED CAPACITY (AF)					1 st PRIORITY RECOVERY CONDITIONS (CFS)		2 nd PRIORITY RECOVERY CONDITIONS (CFS)	
	IRWD OWNED	WELLS EXISTING	TOTAL STORAGE CAPACITY	ANNUAL RECHARGE 1 ST PRIORITY	ANNUAL RECHARGE 2 ND PRIORITY	ANNUAL RECOVERY 1 ST PRIORITY	ANNUAL RECOVERY 2 ND PRIORITY	RECOVERY CAPACITY AS PLANNED ¹	RECOVERY CAPACITY (Average Daily Production 1/1/2021 - 7/31/2022)	RECOVERY CAPACITY AS PLANNED	RECOVERY CAPACITY CURRENT CONDITIONS
Strand Ranch	Yes	7	50,000	17,500	-	17,500	-	40.0	20.5	-	-
Stockdale West	Yes	3	26,000	27,100	-	11,250	-	15.0	11.6	-	-
Stockdale East	No	2	-	-	19,000	-	7,500	-	-	10.0	9.0
IRWD Acquired Storage Account ²	No	-	50,000	-	-	-	-	-	-	-	-
Drought Relief Project Wells ²	No	3	-	-	-	-	-	15.0	16.5	-	-
Kern Water Bank Storage Account ⁴	No	-	9,495	3,200	-	1,520	<5,000	-	-	-	-
TOTALS		15	135,495	47,800	19,000	30,270	12,500	70.0	48.6	10.0	9.0
Partner Capacities ³			38,000	22,300	9,500	10,850	0	35.5	25.0	-	-
IRWD Capacities (does not include Kern Water Bank capacities)			88,000	22,300	9,500	17,900	7,500	34.5	25.0	-	-
IRWD's recovery <i>during</i> 6 month partner recovery period (AF)								12,420	9,000	-	-
IRWD's recovery <i>after</i> 6 month partner recovery period (AF)								5,480	6,733	-	-
TOTALS (AF)								17,900	15,733	-	-
Number of months needed to recover IRWD's total AF after partners' recovery (Assumes IRWD has use of total recovery capacity after partners' recovery)								8.6	10.2	-	-
Strand Ranch monthly recharge amount assuming 0.3 ft/day average recharge rate (AF)										4,518	
Stockdale West monthly recharge amount assuming 0.3 ft/day average recharge rate (AF)										2,331	

¹ Based on designed Strand recovery capacity assuming 370' bgs. Assumes 5 cfs for each of the Stockdale West and Drought Relief wells in order to meet IRWD's Water Banking, Transfers, and Wheeling policy position. Assumes partners' water is recovered over 6 months.

² IRWD has use of Acquired Storage and Drought Relief Project wells until January 12, 2039, unless the term of the agreement is extended.

³ One half of storage capacity at Stockdale West and Strand Ranch will be allocated for partners.

⁴ Kern Water Bank capacities based on 6.58% of Dudley Ridge Water District's 9.62% share of the Kern Water Bank. Annual recharge amount is based on an average of recharge rates for high and low groundwater level conditions. 5,000 AF of recovery capacity may be available for second priority use.

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Exhibit "B"

TABLE 2
IRWD's Water Banking Storage, Recharge and Recovery Operations - BEFORE LOSSES
July 16, 2026

TRANSACTIONS	WATER BANKING ENTITY								TOTAL BY WATER TYPE AND STORAGE LOCATION
	IRWD		BUENA VISTA (BVWSD)	CENTRAL COAST (CCWA)	ANTELOPE VALLEY- EAST KERN (AVEK)	VALLEY WATER	LAS VIRGENES	DUDLEY RIDGE WATER DISTRICT (DRWD) ³	
	SWP ¹	NON-SWP ²	NON-SWP	SWP	SWP	SWP	SWP	SWP	
BEGINNING WATER IN STORAGE 2025 (AF)									
Total Kern Water Bank ⁴	-	5,482	-	-	-	-	-	-	5,482
Total MWD System	12,033	-	-	-	-	-	-	43	12,076
Total Kern County	17,547	20,598	11,181	225	3,536	-	-	1,218	54,305
Total DRWD 1-for-1 Long Term Exchange Credit ⁵	5,330	-	-	-	-	-	-	-	5,330
TOTAL STORED WATER (1/1/2025)	34,910	26,080	11,181	225	3,536	-	-	1,261	77,193
(RECOVERY) AND RECHARGE IN 2025 (AF)									
DRWD Supplemental Water ⁶	-	235	-	-	-	-	-	-	235
KWB Recovery for use on Jackson Ranch ⁷	-	(232)	-	-	-	-	-	-	(232)
2025 SWP Allocation (50%) Est.	439	-	-	-	-	-	-	438	877
DRWD 1-for-1 Long Term Exchange- Predelivery Est. ⁹	3,000	-	-	-	-	-	3,000	-	6,000
DRWD 1-for-1 Long Term Exchange (Recharge) Est.	4,689	-	-	-	-	-	-	-	4,689
Buena Vista Recovery	-	-	(10,112)	-	-	-	-	-	(10,112)
TOTAL 2025 TRANSACTIONS ⁷	8,128	3	(10,112)	-	-	-	3,000	438	1,457
Total Kern Water Bank ⁴	-	5,485	-	-	-	-	-	-	5,485
Total MWD System	12,033	-	-	-	-	-	-	43	12,076
Total Kern County	25,675	20,598	1,069	225	3,536	-	3,000	1,656	55,759
Total DRWD 1-for-1 Long Term Exchange Credit ^{9,11}	-	(6,000)	-	-	-	-	-	-	(6,000)
TOTAL STORED WATER (1/1/2026)	37,708	20,083	1,069	225	3,536	-	3,000	1,699	67,320
(RECOVERY) AND RECHARGE IN 2026 (AF)									
KWB Recovery for use on Jackson Ranch ⁷	-	-	-	-	-	-	-	-	-
2026 SWP Allocation (45%) Est.	-	-	-	-	-	-	-	-	-
TOTAL ESTIMATED 2026 TRANSACTIONS ⁸	-	-	-	-	-	-	-	-	-
ESTIMATED WATER IN STORAGE 2026 (AF)									
Total Kern Water Bank ⁴	-	5,485	-	-	-	-	-	-	5,485
Total MWD System	12,033	-	-	-	-	-	-	43	12,076
Total Kern County	25,675	20,598	1,069	225	3,536	-	3,000	1,656	55,759
Total DRWD 1-for-1 Long Term Exchange Credit ^{9,10}	-	(6,000)	-	-	-	-	-	-	(6,000)
TOTAL ESTIMATED STORED WATER TO DATE	37,708	20,083	1,069	225	3,536	-	3,000	1,699	67,320

NOTES: MWD = Metropolitan Water District of Southern California.

¹ IRWD's SWP includes 295 AF from CVWD that stays in Kern County.

² IRWD's Non-SWP total includes 2,403 AF, net of losses, of Kern County Water Agency Article 21 Water.

³ DRWD water supply will be returned by MWD or IRWD's Strand Ranch to IRWD's Jackson Ranch.

⁴ IRWD's KWB Account balance includes SWP, Friant and Kern River water. The KWB account balance is included in the Non-SWP column because it is not exportable to IRWD's service area.

⁵ Per the DRWD Long-Term 1-for-1 Exchange Program, Non-SWP water delivered to DRWD landowners will be returned to IRWD as SWP water at a later date. To account for the SWP water that will be returned at a later date, the amount of water owed will be shown as a credit. Total assumes all water is returned to IRWD Water Bank which adds in a 10% loss factor.

⁶ In 2025, IRWD purchased supplemental water from DRWD on behalf of its lessee for use on Jackson Ranch.

⁷ Water recovered from IRWD's Kern Water Bank account for use on Jackson Ranch.

⁸ Total banking losses for 2025 deliveries to the IRWD bank are estimated to be 762 AF.

⁹ DRWD pre-delivered 6,000 AF of SWP Table A on behalf of landowner Wonderful Orchards under the 1-for-1 long-term exchange program. This water will be exchanged with 6,000 AF of Kern River Water stored in the IRWD Water Bank for use by Wonderful at a later date.

¹⁰ Water stored in the IRWD Water Bank on behalf of Las Virgenes until called upon by Las Virgenes per the Exchange Program Agreement with Las Virgenes. Las Virgenes' call for the water is subject to an amendment to the Coordinated Operating, Water Storage, Exchange, and Delivery Agreement with MWD.

¹¹ The 4,689 AF delivered by DRWD in 2025 fulfills DRWD's remaining obligation associated with deliveries of Kern River Water to DRWD in 2021 and 2022. The difference between the 5,330 AF credit balance shown in 2024 and the 4,689 AF delivered in 2025 is due to losses in the CVC and California Aqueduct. To account for these conveyance losses, the credit balance shown in 2025 has been zeroed out.

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Exhibit "C"

TABLE 3
IRWD's Water Banking Storage, Recharge and Recovery Operations - AFTER LOSSES
July 16, 2026

TRANSACTIONS	WATER BANKING ENTITY								TOTAL BY WATER TYPE AND STORAGE LOCATION
	IRWD		BUENA VISTA (BVWSD)	CENTRAL COAST (CCWA)	ANTELOPE VALLEY-EAST KERN (AVEK)	VALLEY WATER	LAS VIRGENES	DUDLEY RIDGE WATER DISTRICT (DRWD) ³	
	SWP ¹	NON-SWP ²	NON-SWP	SWP	SWP	SWP	SWP	SWP	
BEGINNING WATER IN STORAGE 2025 (AF)									
Total Kern Water Bank ⁴	-	4,934	-	-	-	-	-	-	4,934
Total MWD System	12,033	-	-	-	-	-	-	43	12,076
Total Kern County	14,202	15,098	10,112	193	3,032	-	-	1,045	43,682
Total DRWD 1-for-1 Long Term Exchange Credit ⁵	5,424	-	-	-	-	-	-	-	5,424
TOTAL STORED WATER (1/1/2025)	31,659	20,032	10,112	193	3,032	-	-	1,088	66,116
(RECOVERY) AND RECHARGE IN 2025 (AF)									
DRWD Supplemental Water ⁶	-	235	-	-	-	-	-	-	235
KWB Recovery for use on Jackson Ranch ⁷	-	(232)	-	-	-	-	-	-	(232)
2025 SWP Allocation (50%) Est. ⁸	417	-	-	-	-	-	-	416	833
DRWD 1-for-1 Long Term Exchange- Predelivery Est. ^{8,9}	2,850	-	-	-	-	-	2,850	-	5,700
DRWD 1-for-1 Long Term Exchange Est. ⁸	4,271	-	-	-	-	-	-	-	4,271
Buena Vista Recovery	-	-	(10,112)	-	-	-	-	-	(10,112)
TOTAL 2025 TRANSACTIONS	7,538	3	(10,112)	-	-	-	2,850	416	695
Total Kern Water Bank	-	4,937	-	-	-	-	-	-	4,937
Total MWD System	12,033	-	-	-	-	-	-	43	12,076
Total Kern County	21,740	15,098	-	193	3,032	-	2,850	1,461	44,374
Total DRWD 1-for-1 Long Term Exchange Credit	-	(5,455)	-	-	-	-	-	-	(5,455)
TOTAL STORED WATER (1/1/2026)	33,773	14,580	-	193	3,032	-	2,850	1,504	55,932
(RECOVERY) AND RECHARGE IN 2026 (AF)									
KWB Recovery for use on Jackson Ranch ⁷	-	-	-	-	-	-	-	-	-
2026 SWP Allocation (30%) Est. ⁸	-	-	-	-	-	-	-	-	-
TOTAL ESTIMATED 2026 TRANSACTIONS	-	-	-	-	-	-	-	-	-
ESTIMATED WATER IN STORAGE 2026 (AF)									
Total Kern Water Bank	-	4,937	-	-	-	-	-	-	4,937
Total MWD System	12,033	-	-	-	-	-	-	43	12,076
Total Kern County	21,740	15,098	-	193	3,032	-	2,850	1,461	44,374
Total DRWD 1-for-1 Long Term Exchange Credit ¹¹	-	(5,455)	-	-	-	-	-	-	(5,455)
TOTAL ESTIMATED STORED WATER TO DATE	33,773	14,580	-	193	3,032	-	2,850	1,504	55,932

NOTES: Water in storage has been adjusted to account for losses. IRWD's water stored in Kern County is adjusted 15% for losses (5% for out of county loss, 6% surface loss, and 4% reserve loss); Water stored for BVWSD in Kern County is adjusted 10% (6% for surface loss and 4% for reserve loss); no losses for water directly delivered to MWD system.

¹ IRWD's SWP includes 251 AF from CVWD that stays in Kern County.

² IRWD's Non-SWP total includes 2,403 AF of Kern County Water Agency Article 21 Water.

³ DRWD water will be returned by MWD or IRWD's Strand Ranch to IRWD's Jackson Ranch.

⁴ IRWD's KWB Account balance includes SWP, Friant and Kern River water. The KWB account balance is included in the Non-SWP column because it is not exportable to IRWD's service area.

⁵ Per the DRWD Long-Term 1-for-1 Exchange Program, Non-SWP water delivered to DRWD landowners will be returned to IRWD as SWP water at a later date. To account for the SWP water that will be returned at a later date, the amount of water owed will be shown as a credit. Total assumes all water is returned to IRWD Water Bank which adds in a 10% loss factor. Final amounts may be subject to additional CVC losses.

⁶ In 2025, IRWD purchased supplemental water from DRWD on behalf of its lessee for use on Jackson Ranch.

⁷ Water recovered from IRWD's Kern Water Bank account for use on Jackson Ranch.

⁸ The water recharged in July through an in-lieu exchange of water being recovered for Buena Vista is not subject to surface (6%) and reserve (4%) losses.

⁹ DRWD pre-delivered 6,000 AF of SWP Table A on behalf of landowner Wonderful Orchards under the 1-for-1 long-term exchange program. This water will be exchanged with 6,000 AF of Kern River Water stored in the IRWD Water Bank for use by Wonderful at a later date.

¹⁰ Water stored in the IRWD Water Bank on behalf of Las Virgenes until called upon by Las Virgenes per the Exchange Program Agreement with Las Virgenes. Las Virgenes' call for the water is subject to an amendment to the Coordinated Operating, Water Storage, Exchange, and Delivery Agreement with MWD.

¹¹ The 4,271 AF delivered by DRWD in 2025 fulfills DRWD's remaining obligation associated with deliveries of Kern River Water to DRWD in 2021 and 2022. The difference between the 5,424 AF credit balance shown in 2024 and the 4,271 AF delivered in 2025 is due to losses in the CVC and California Aqueduct. To account for these conveyance losses, the credit balance shown in 2025 has been zeroed out.

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Exhibit "D"

TABLE 4
Status of IRWD Purchase and Exchange Programs (AFTER LOSSES)
 July 16, 2026

PARTNER	EXCHANGE RATIO	YEAR EXECUTED	AGREEMENT TYPE	WATER TYPE	PARTNER WATER		IRWD WATER									
					PARTNER SHARE (AF)	PARTNER BALANCE (AF)	IRWD SHARE (AF)	IN MWD SYSTEM (AF)	IRWD BALANCE		1-for-1 EXCH CREDITS	TOTAL (AF)	EXPORTABLE TO IRWD (AF)	EXPORTABILITY		SELLABLE (Y/N)
									STORIED IN KERN (AF)					NON-EXPORTABLE (AF)	FOR USE ON JACKSON RANCH (DRWD)	
Semitropic Water Storage District	NA	2008	Purchase	SWP Article 21	NA	NA	2,842		2,403			2,403		2,403		Yes
Carpinteria Valley Water District ⁴	2-for-1	2008	Short-Term	SWP Table A	277		250		250			250		250		Yes
Buena Vista Water Storage District ¹	2-for-1	2010	Pilot	Kern River	4,108		3,903									Yes
	2-for-1	2011	Long-Term	Kern River	29,336	0	27,869		10,772		-5,455	5,317		5,317		
Antelope Valley East Kern Water Agency	2-for-1	2011	Pilot	SWP Table A	2,229		2,337	2,337				2,337	2,337			No
Carpinteria Valley Water District	2-for-1	2011	Pilot	SWP Table A	624		655	655				655	655			No
Dudley Ridge Water District (SWPAO #13012)	2-for-1	2013	SWPAO	SWP Table A	1,876		1,876	1,876				1,876	1,876			Yes
				SWP Article 21	1,553		1,554	1,554				1,554	1,554			Yes
Metropolitan Water District ²	1-for-1	2014	Short-Term	SWP Table A	NA	NA	4,000	4,000				4,000	4,000			No
Dudley Ridge Water District (SWPAO #17030)	2-for-1	2018	SWPAO	SWP Table A	2,516	1,505	2,598	1,055	1,542			2,598	2,598		1,505	Yes
Central Coast Water Authority (SWPAO #17001)	2-for-1	2017	Short-Term	SWP Table A	258		258	258				258	258			No
Dudley Ridge Water District ³ (SWPAO #19001)	1-for-1	2017	Long-Term	SWP Table A	NA	NA	16,697		16,697			16,697	16,697			No
				Credit	NA	NA	0				0	0				No
Central Coast Water Authority (SWPAO #19031)	2-for-1	2019	Short-Term	SWP Table A	298		323	298	25			323	323			No
Buena Vista Water Storage District ¹	2-for-1	2023	Short-Term	Kern River	2,025	0	1,923		1,183	741		1,923		1,923		Yes
Central Coast Water Authority (SWPAO #23012)	2-for-1	2023	Short-Term	SWP Table A	193	193	193			193		193	193			No
Antelope Valley East Kern Water Agency	2-for-1	2018	Long-Term	SWP Table A	3,032	3,032	3,032		2,461	571		3,032	3,032			No
Santa Clara Valley Water District	2-for-1	2024	Long-Term	SWP Table A												No
Las Virgenes Municipal Water District	na	2026	Long-Term	SWP Table A	2,850	2,850	na									
				Total:	48,324	4,729	70,309	12,033	35,332	1,504	(5,455)	43,415	33,522	9,893	1,505	NA

¹ Water acquired through BVWSD will be exportable after it is exchanged for SWP Table A through 1-for-1 exchange with Dudley Ridge Water District.

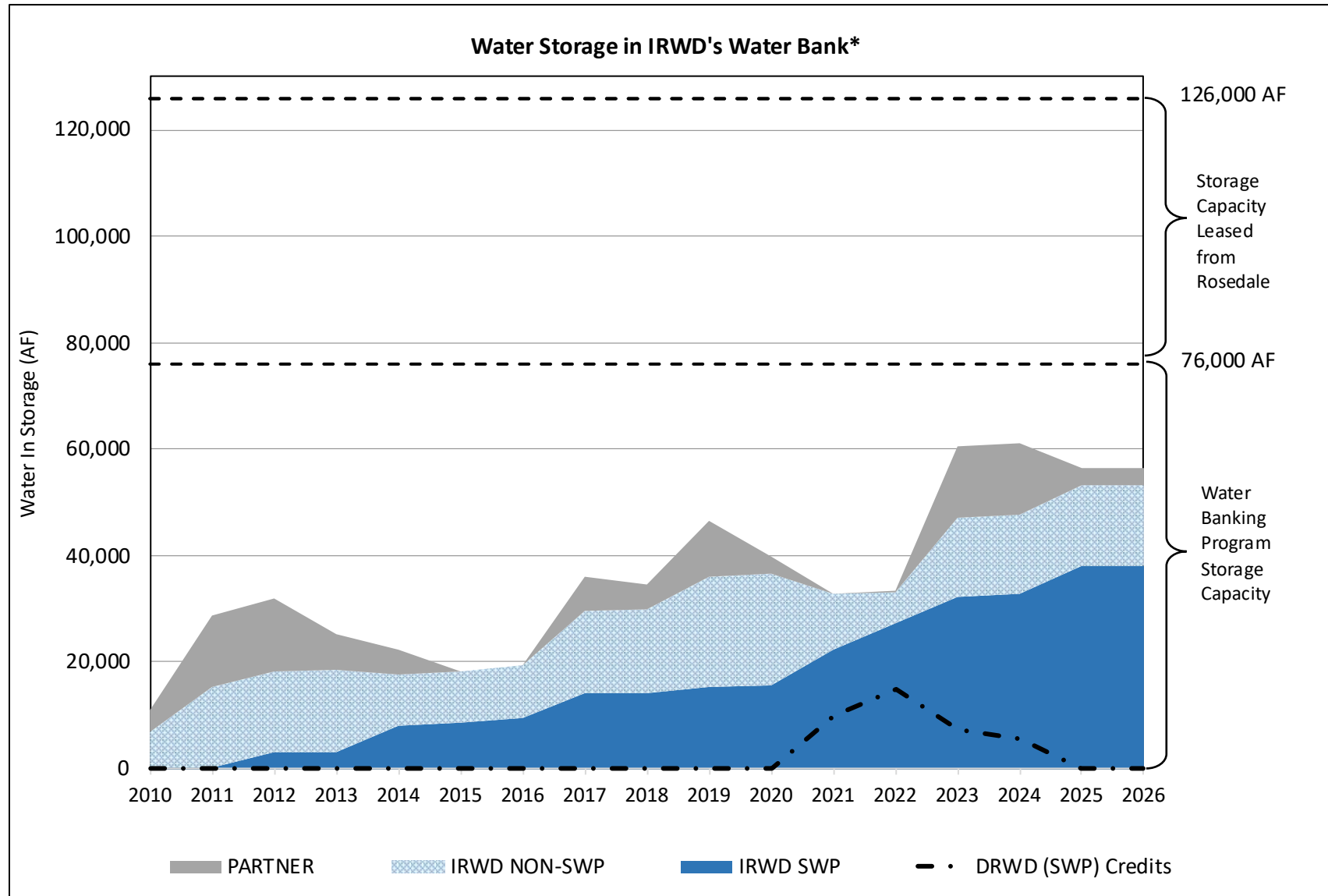
² Source of water was Buena Vista Water Storage District Kern River high flow water.

³ In July 2025, DRWD fulfilled its remaining obligation associated with deliveries of Kern River Water to DRWD in 2021 and 2022 therefore all remaining credits are shown as 0. DRWD also pre-delivered 5,700 AF, net of banking losses, of SWP Table A to the IRWD Water Bank. This water will be exchanged with Kern River Water stored in the IRWD Water Bank for use by DRWD at a later date.

⁴ Water acquired through Carpinteria is not exportable but can be exchanged for an exportable water supply.

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Exhibit "E"



*After losses

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Exhibit "F"

TABLE 5

IRWD Dedicated Water Banking Capacities for Existing and Proposed Exchange Programs

July 16, 2026

STORAGE CAPACITY

Program	Dedicated Storage Capacity Strand Ranch (AF)	Dedicated Storage Capacity Stockdale West (AF)	Dedicated Storage Capacity Leased Storage Account (AF)	Kern Water Bank Storage Capacity (AF)
Total Capacity	50,000	26,000	50,000	9,495
BVWSD	40,000	-	-	-
IRWD/DRWD	10,000	6,000	-	-
AVEK	-	20,000	-	-
Valley Water	-	-	20,000	-
Homer LLC	-	-	8,000	-
Total Dedicated	50,000	26,000	28,000	-
Total Remaining	-	-	22,000	9,495

FIRST-PRIORITY RECHARGE CAPACITY

Program	Dedicated Recharge Capacity Strand Ranch (AF)	Dedicated Recharge Capacity Stockdale West (AF)	Dedicated Recharge Capacity Leased Storage Account (AF)	Kern Water Bank Recharge Capacity (AF)
Total Capacity	17,500	27,100	-	3,200
BVWSD	17,500	-	-	-
IRWD/DRWD	-	7,100	-	-
AVEK	-	20,000	-	-
Total Dedicated	17,500	27,100	-	-
Total Remaining	-	-	-	3,200

FIRST-PRIORITY RECOVERY CAPACITY

Program Partner	Dedicated Recovery Capacity Strand Ranch (AF)	Dedicated Recovery Capacity Stockdale West (AF)	Dedicated Recovery Capacity Leased Storage Account (AF)	Kern Water Bank Recovery Capacity (AF)
Total Capacity	17,500	11,250	-	1,520
BVWSD	6,667	-	-	-
DRWD	-	-	-	-
AVEK	-	3,333	-	-
IRWD	10,833	7,917	-	1,520
Total Dedicated	17,500	11,250	-	1,520
Total Remaining	-	-	-	-

TABLE 6
Second-Priority Recharge and Recovery Capacity Available after Annual Scheduling of Dedicated First-Priority
Recharge and Recovery Allocated to Existing Programs
July 16, 2026

SECOND-PRIORITY RECHARGE CAPACITY

Program	Dedicated Recharge Capacity Strand Ranch and Stockdale West (AF)	Minimum Program Share for Second- Priority ¹	Available Minimum Recharge Capacity if not used by Existing Programs (AF)	Total Program Recharge Capacity (AF)
Total Capacity	44,600		44,600	
First Priority Programs	44,600		-	44,600
Valley Water	-	40%	17,840	20,000
Homer LLC	-	16%	7,136	8,000
Total Dedicated	44,600	56%	24,976	
Total Remaining	-		19,624	

SECOND-PRIORITY RECOVERY CAPACITY

Program Partner	Dedicated Recovery Capacity Strand Ranch and Stockdale West (AF)	Minimum Program Share for Second Priority ¹	Minimum Available Recovery Capacity if not used by Existing Programs (AF)	Total Program Recovery Capacity (AF)
Total Capacity	28,750		28,750	
First Priority Programs	28,750		-	28,750
Valley Water	-	40%	3,333	3,333
Homer LLC	-	16%	1,333	1,333
Total Dedicated	28,750	56%	4,666	
Total Remaining	-		24,084	

¹ Second-priority recharge and recovery capacity allocated to programs on a pro-rata share based on share of leased storage capacity.

For example:

Valley Water Share: 20,000 AF of 50,000 AF leased storage (40%)

Homer LLC Share: 8,000 AF of 50,000 AF leased storage (16%)

Exhibit "G"

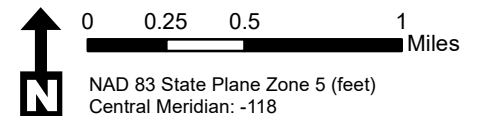
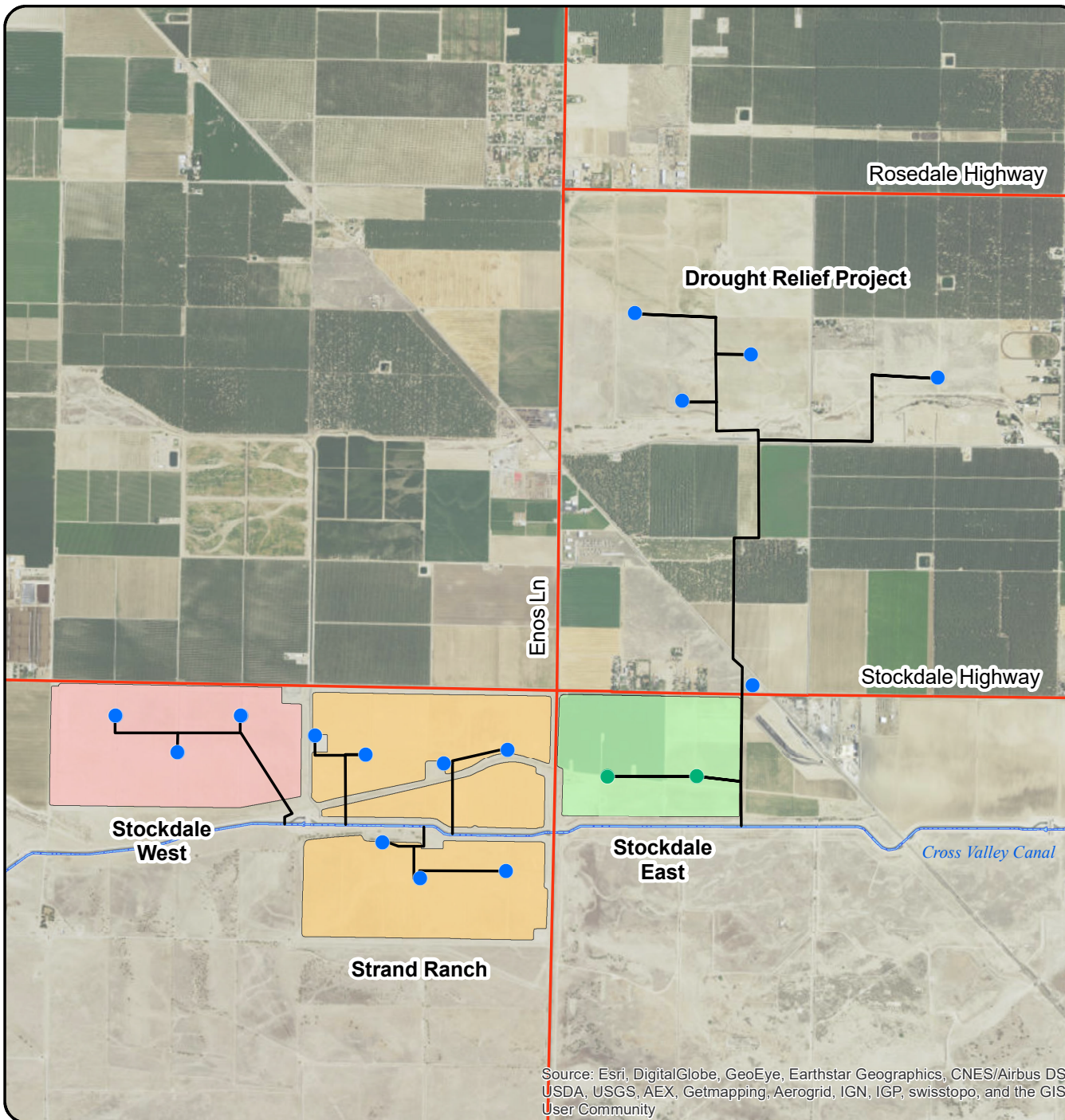


**Location Map:
IRWD Water Banking Projects
Wells and Turnin Pipelines**

MAP FEATURES

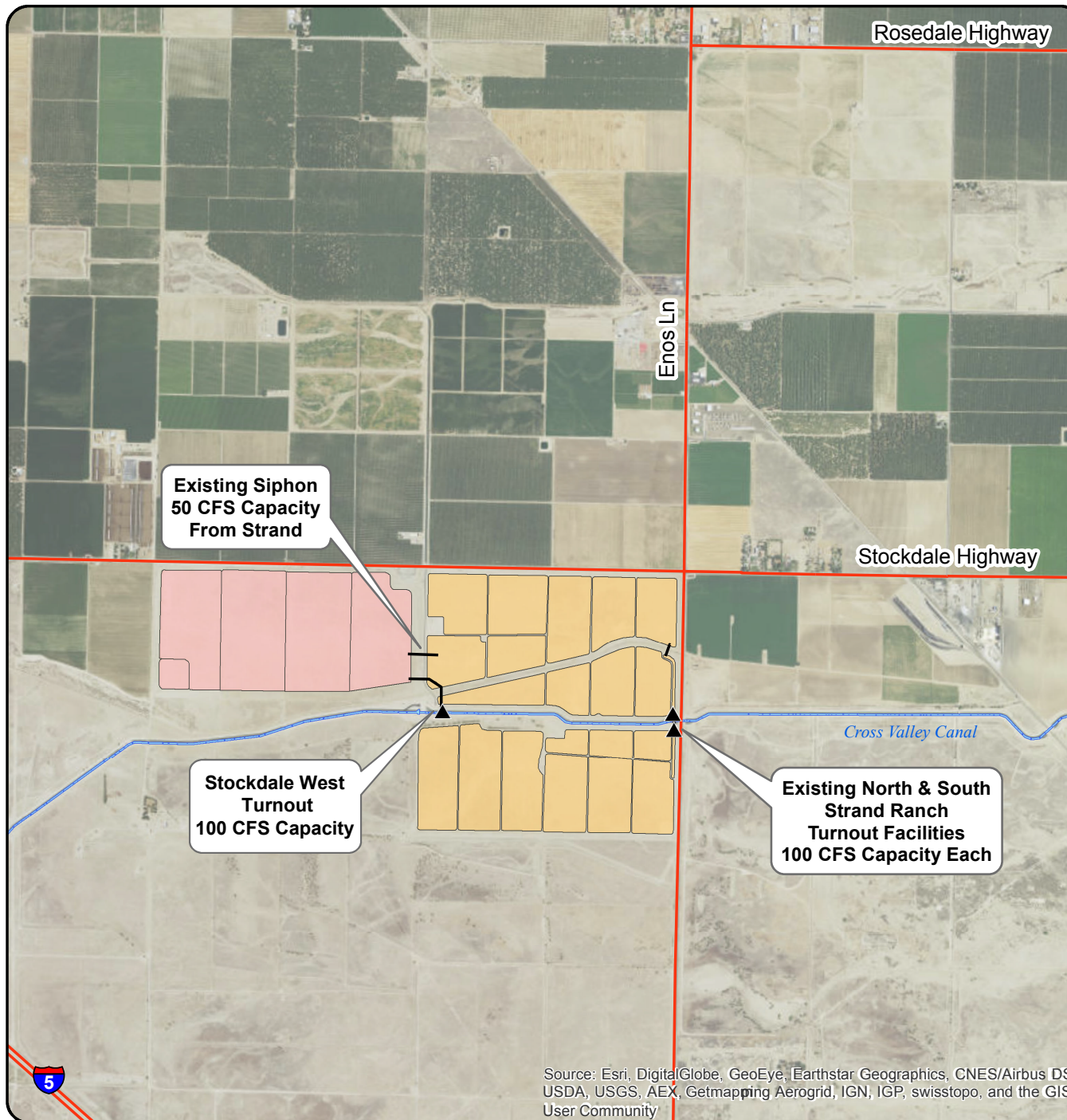
- Extraction Well
- Extraction Well
- Well Discharge Pipelines
- Stockdale East
- Stockdale West
- Strand Ranch

This figure shows the location of IRWD's water banking project sites and extraction wells.



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Exhibit "H"

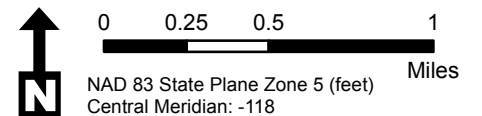


Location Map: IRWD Water Banking Projects Recharge Basins & Turnout Facilities

MAP FEATURES

- ▲ Turnouts
- Stockdale West
- Strand Ranch

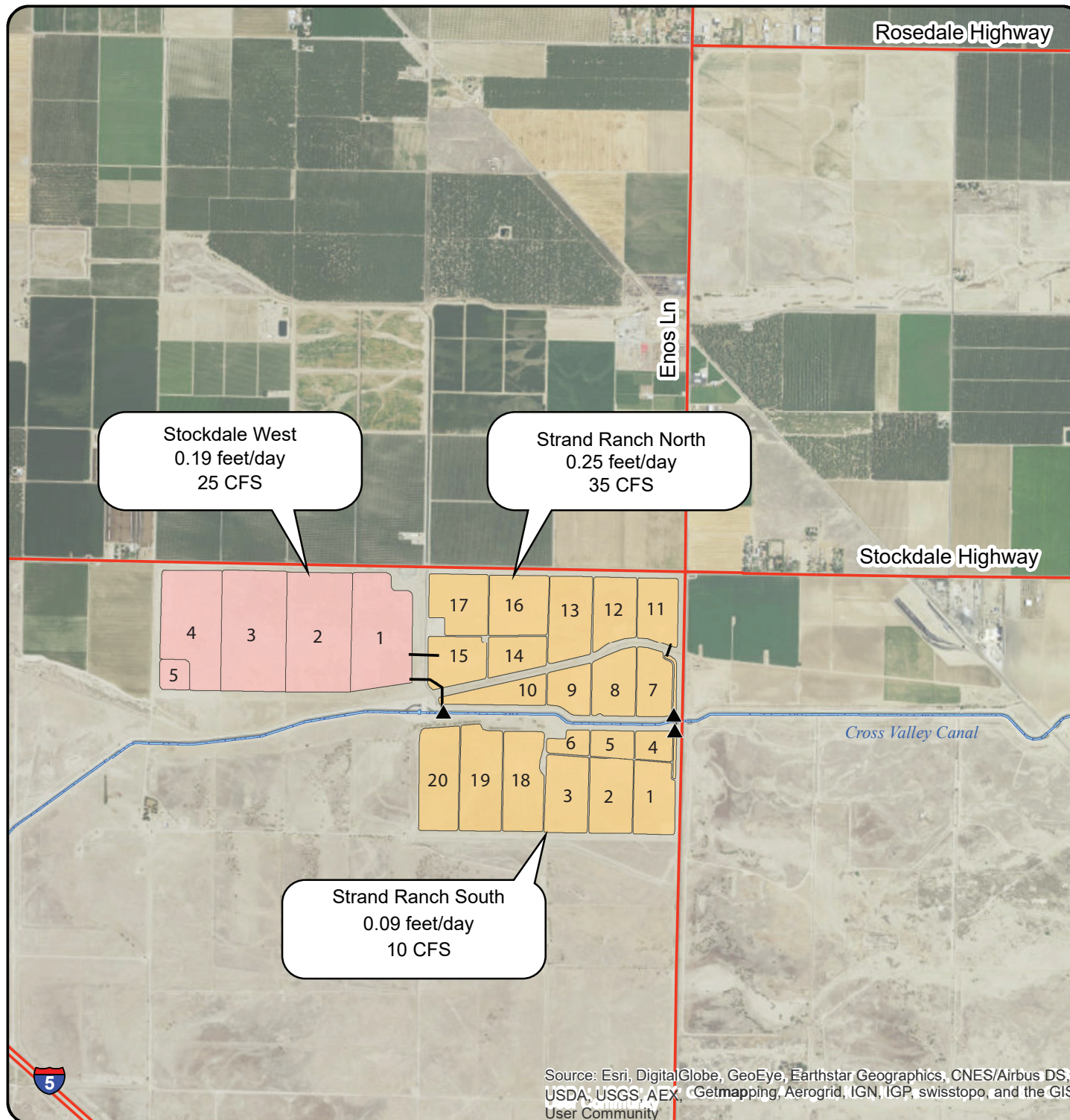
This figure shows the location of recharge basins, pipelines and turnout facilities.



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**Location Map:
IRWD Water Banking Projects
Recharge Rates**



This figure shows the location of recharge basins and their associated recharge rates as of January 4, 2024

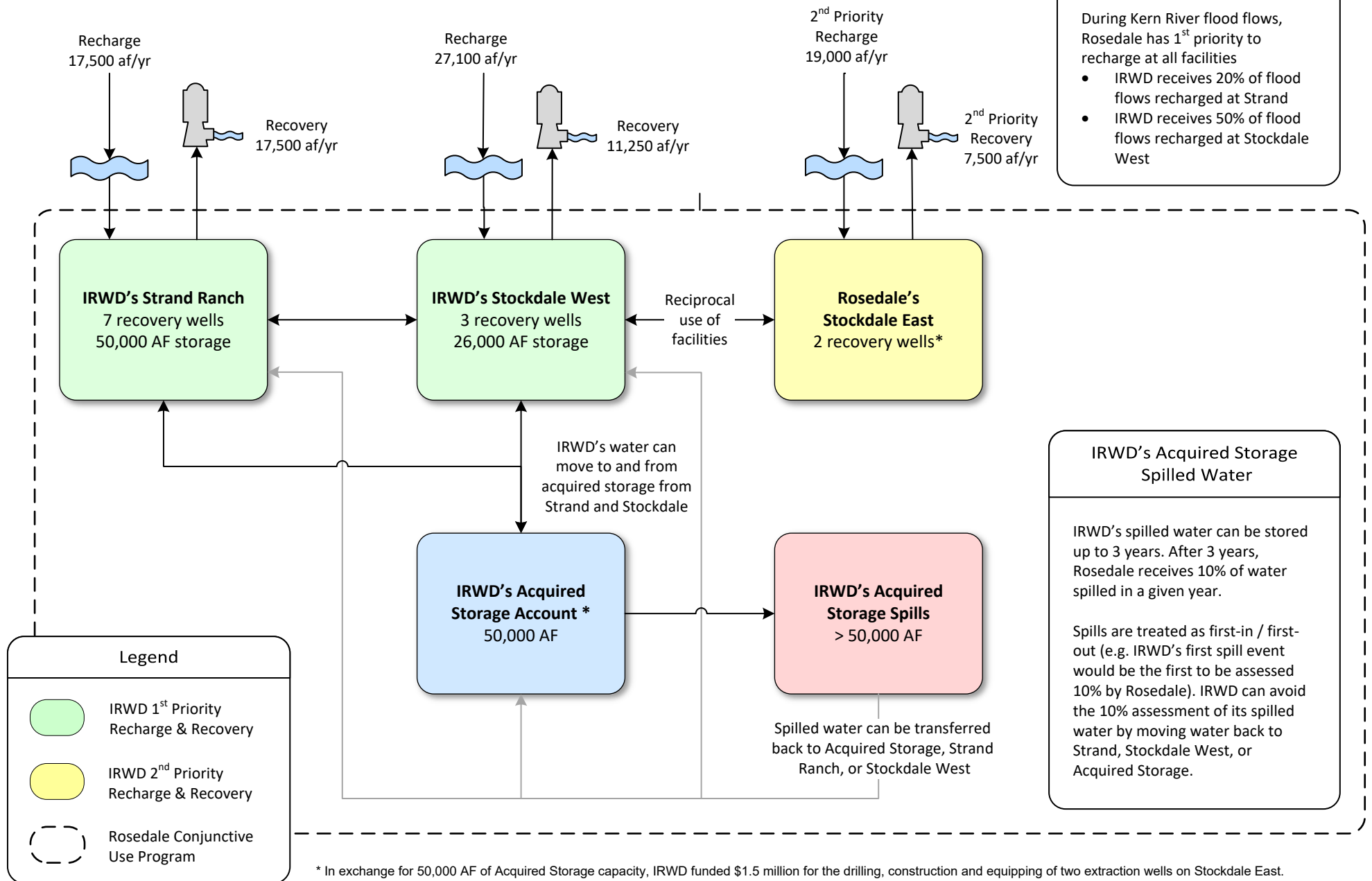
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Exhibit "J"

IRWD-Rosedale Water Banking and Exchange Program Agreements

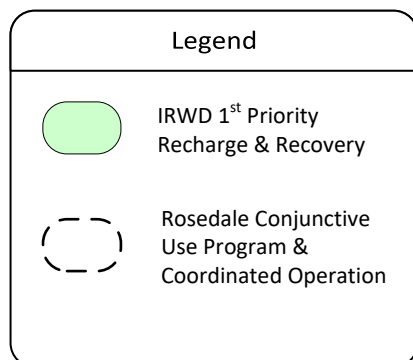
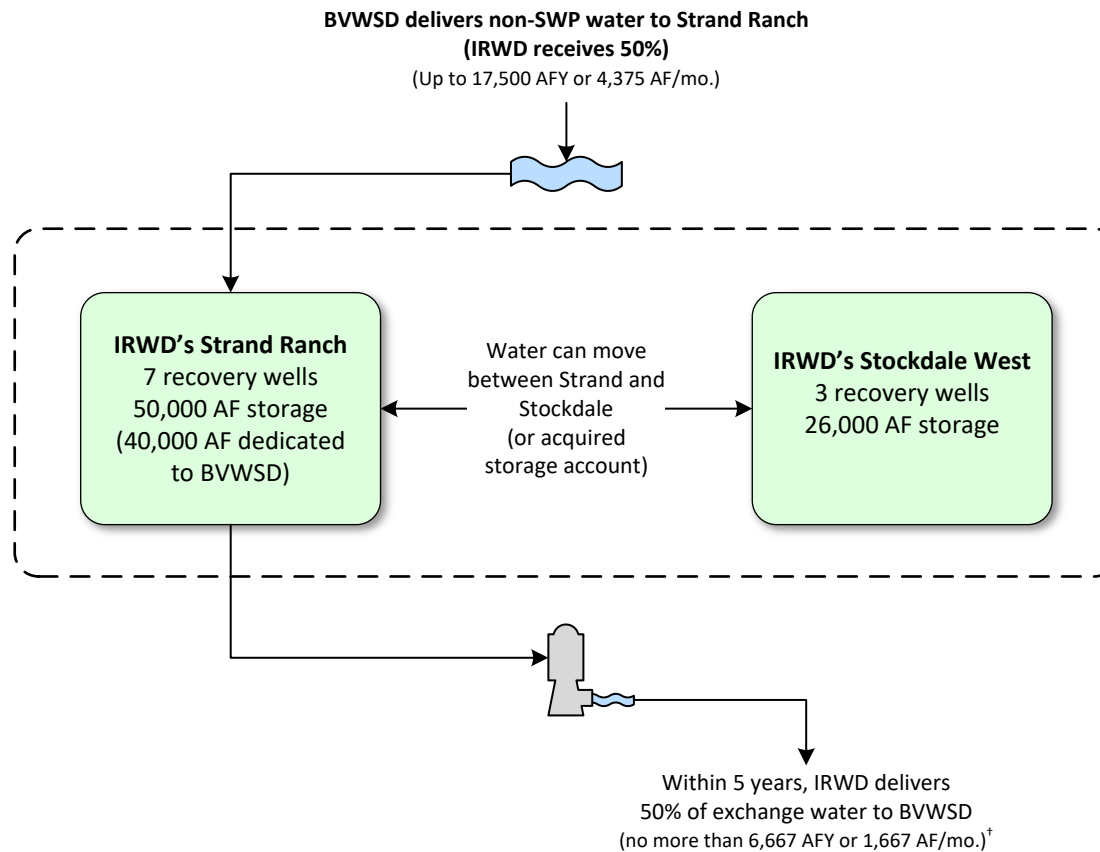
Effective 1/12/2009 through 1/12/2039 (Strand Ranch)

2/4/2016 through 1/12/2039 (Stockdale West)



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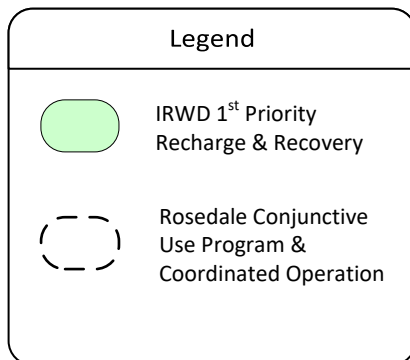
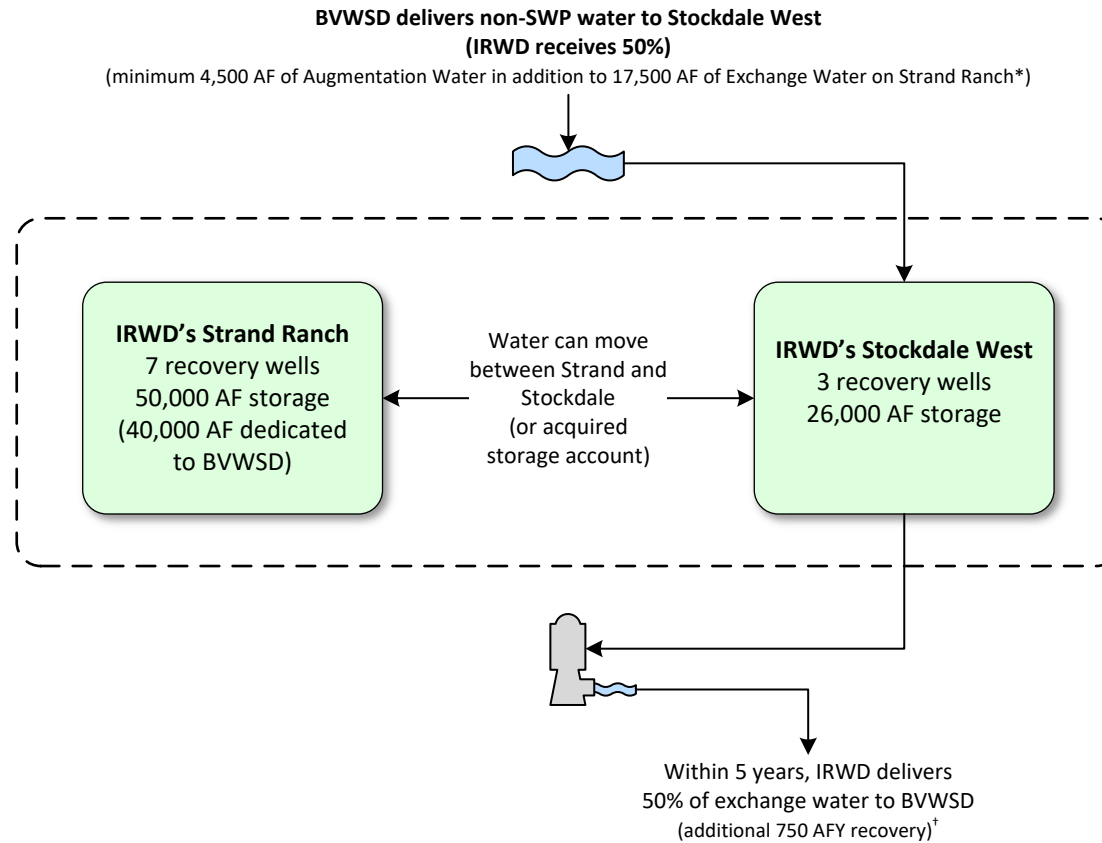
Buena Vista Water Storage District Long Term Water Exchange Program Effective 1/1/2011 through 1/12/2039



[†]IRWD shall remit one-half of the exchanged supply less one-half of reasonable losses back to BV no later than December 31st of the 4th year following the associated recharge event. IRWD pays for recovery of water returned to BV. Water to be remitted back to BV may remain in storage at Strand Ranch beyond the 4th year, in exchange for a greater percent being transferred to IRWD as compensation per the table shown to the right:

Year Following Recharge Event	Percent Transferred to IRWD	Percent Returned to BV During or Before Indicated Year
1	50%	50%
2	50%	50%
3	50%	50%
4	50%	50%
5	60%	40%
6	70%	30%
7	80%	20%
8	90%	10%
9	100%	0%

Buena Vista Water Storage District One-Year Program to Augment Recharge Using Stockdale West Recharge Facilities Effective 6/28/2023 through 12/31/2023



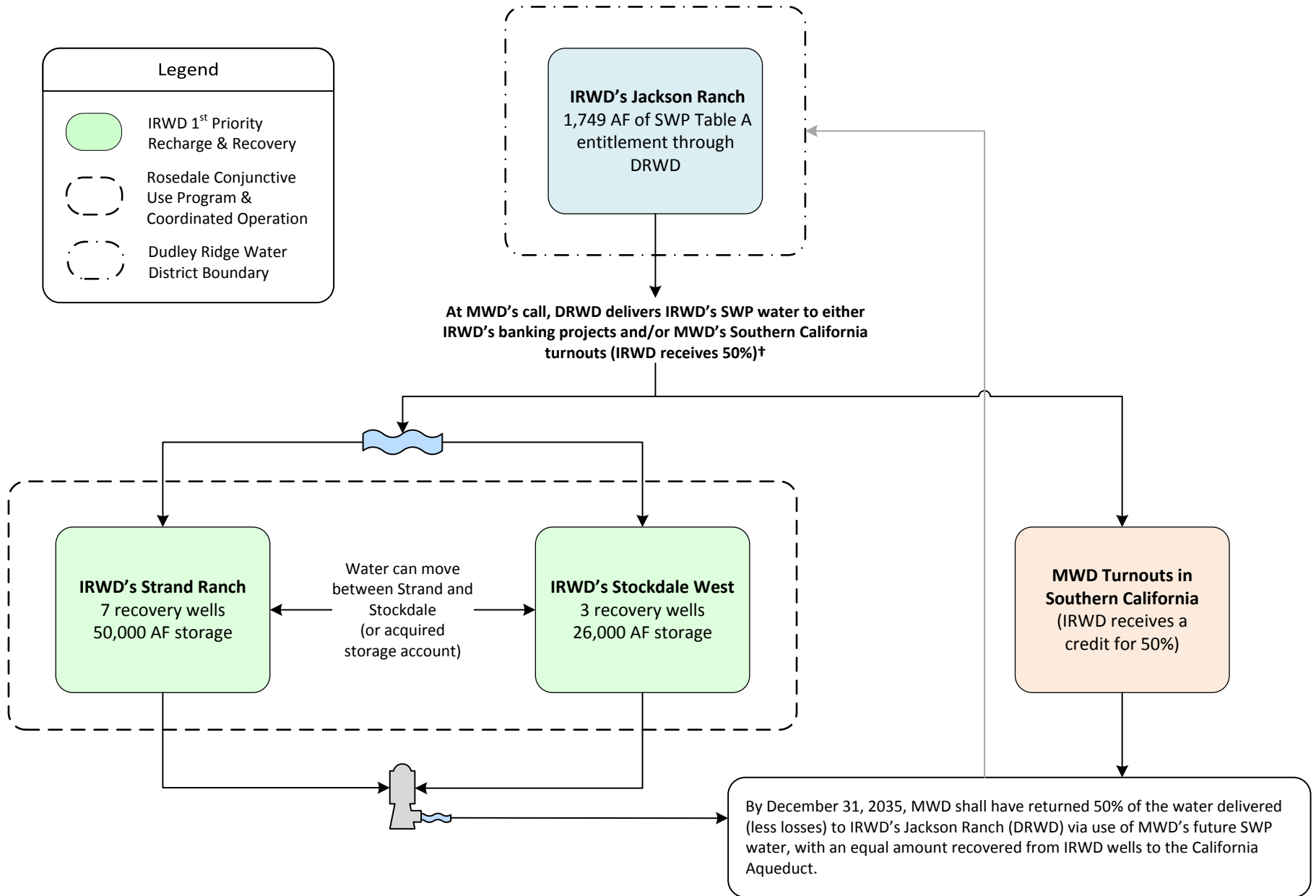
* IRWD agrees to pay BV \$25 per AF for IRWD's share of the Augmentation Water and Exchange Water

[†]IRWD shall remit one-half of the exchanged supply less one-half of reasonable losses back to BV no later than December 31st of the 4th year following the associated recharge event. BV pays for recovery of its share of Augmentation Water. Water to be remitted back to BV may remain in storage at Strand Ranch beyond the 4th year, in exchange for a greater percent being transferred to IRWD as compensation per the table shown to the right:

Year Following Recharge Event	Percent Transferred to IRWD	Percent Returned to BV During or Before Indicated Year
1	50%	50%
2	50%	50%
3	50%	50%
4	50%	50%
5	60%	40%
6	70%	30%
7	80%	20%
8	90%	10%
9	100%	0%

Exhibit "L"

**Dudley Ridge Water District (DRWD) Unbalanced Exchange
Program Up to 12,240 AF delivered from 6/7/2018 through 12/31/2027**



†Consistent with IRWD-MWD coordinated operating agreement.

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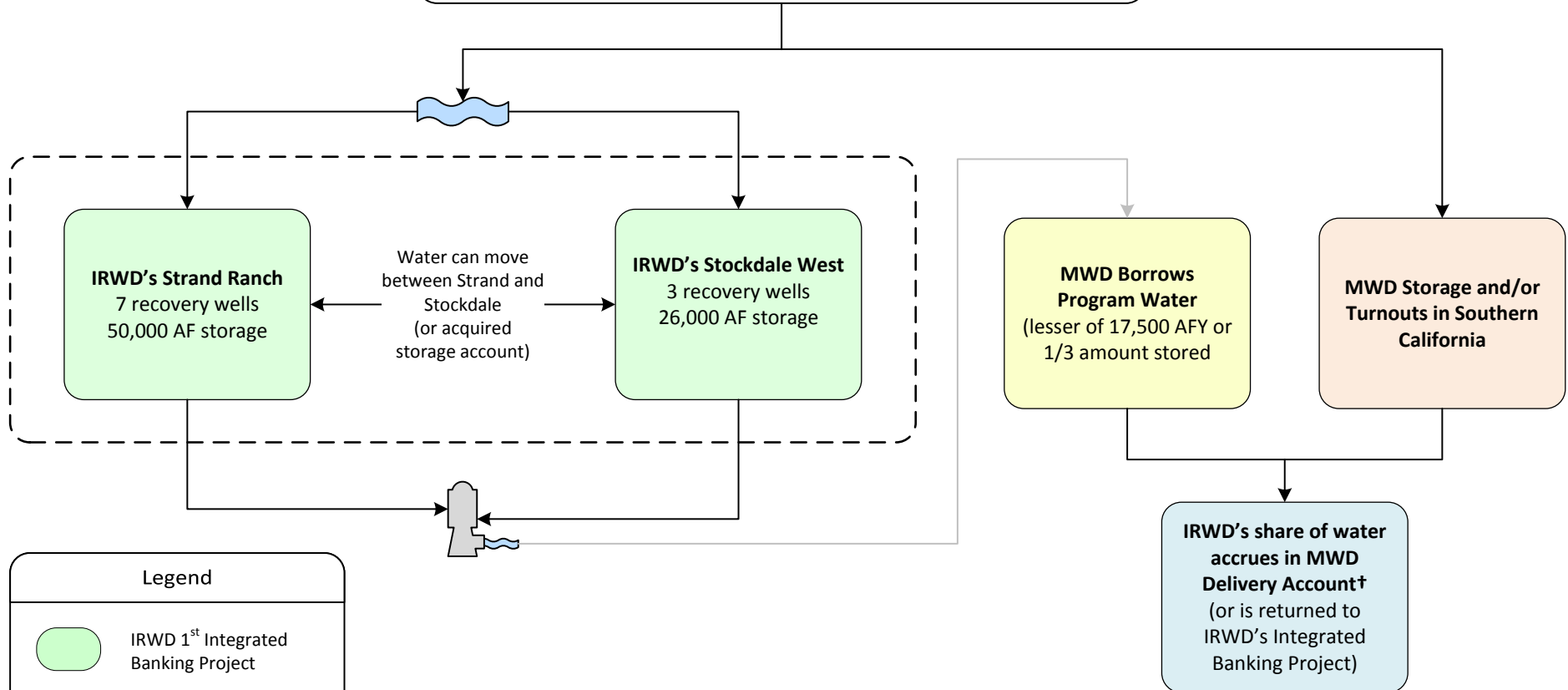
Exhibit "M"

Coordinated Operating, Water Storage, Exchange and Delivery Agreement Between MWD, MWDOC and IRWD
Effective 5/1/2011 through 11/4/2035

With MWD's consent, IRWD secures SWP water (Program Water) through exchanges with IRWD Banking Partners for use as extraordinary supply under MWD Water Supply Allocation Plan

MWD has three options for the use and storage of Program Water:

- Storage of water in IRWD's Integrated Banking Project
- Delivery to Southern California for immediate use and/or storage in MWD system
- Borrow a portion of Program water, with accrual in MWD Delivery Account

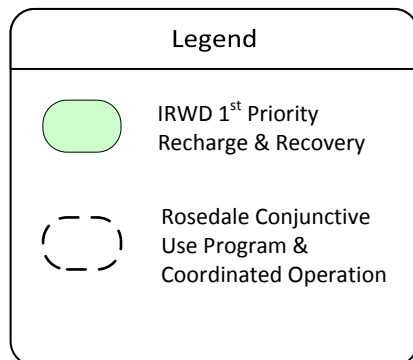
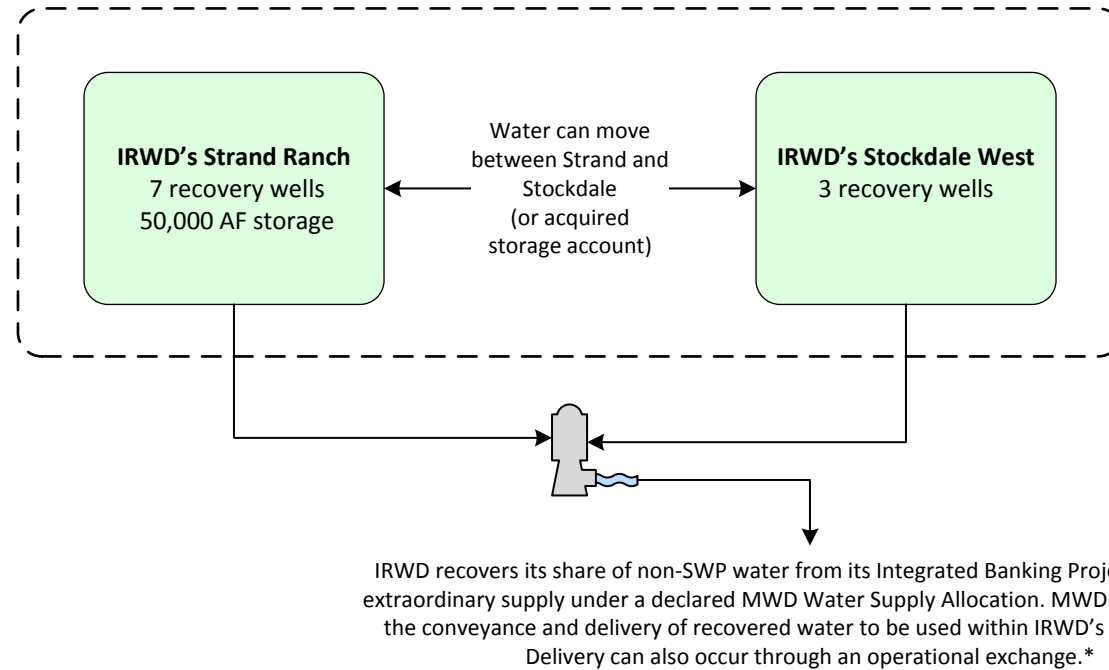


- Under an MWD Allocation, when IRWD calls for water, IRWD must first recover Program Water from the Integrated Banking Project before receiving water from the MWD Delivery Account.
- MWDOC shall pass through extraordinary supply credits for IRWD's benefit.
- † IRWD's banking partner share of Program Water to be returned by MWD.

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Exhibit "N"

Agreement for Conveyance of Water Between MWD, MWDOC, and IRWD (Wheeling Agreement)
Template for future agreements



*The recovered water must be used within IRWD's service area. IRWD to pay MWD wheeling charges, including system access rate, water stewardship rate, and treatment surcharge (if applicable), for each acre foot of recovered water wheeled by MWD. IRWD will pay the actual costs of power incurred by MWD to convey recovered water in the California Aqueduct to IRWD delivery points.

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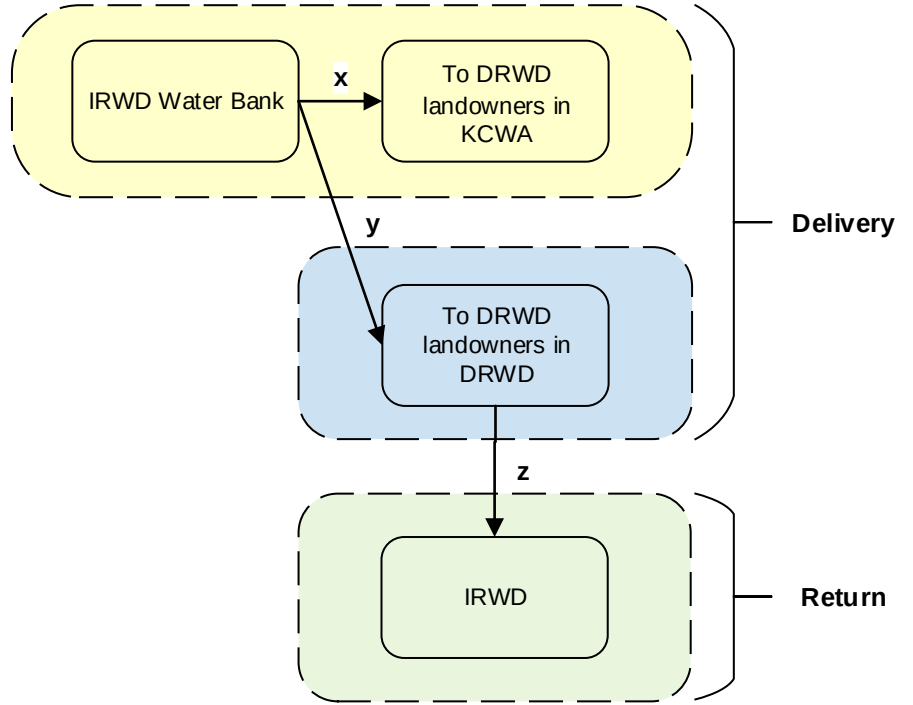
Exhibit "O"
Dudley Ridge Water District Long Term 1-for-1 Water Exchange Program
 Effective 5/31/2017 through 11/4/2035

Scenario A

(Per Sections 2, 3, 4.1.1, and 4.1.3)

x= Non-Project Water required to stay in Kern County
 y= Non-Project Water allowed to leave Kern County
 z= DRWD Table A Water equal to x+y less applicable losses, if any

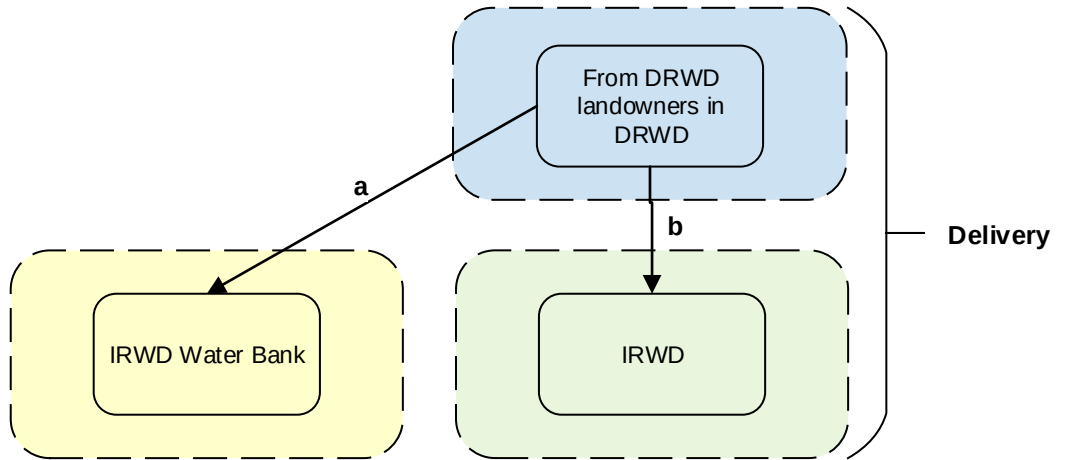
Per Section 4.1.3, z can be delivered to IRWD via in-ground transfer to IRWD, SWP delivery to IRWD banking facilities, or SWP delivery to MWDSC



Scenario B

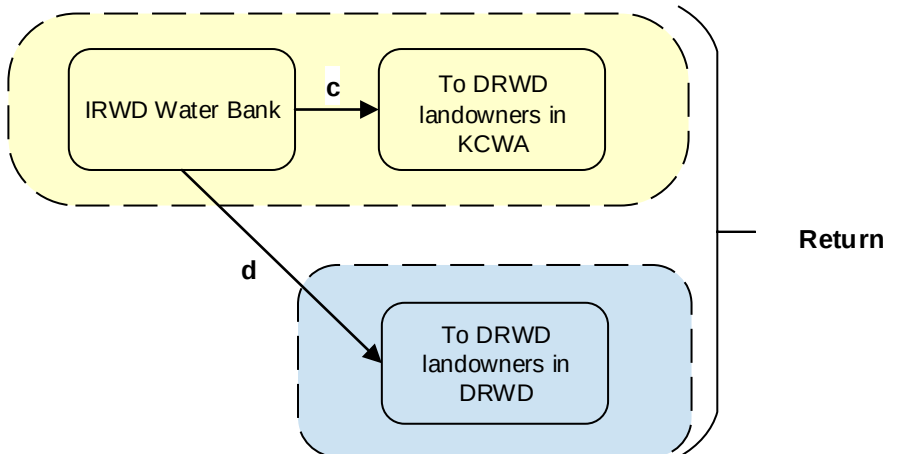
(Per Sections 2, 3, and 4.1.2)

$a + b = c + d$
 (less applicable losses, if any)



Legend

- KCWA Service Area
- DRWD Service Area
- IRWD Service Area

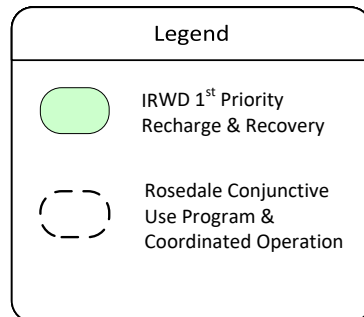
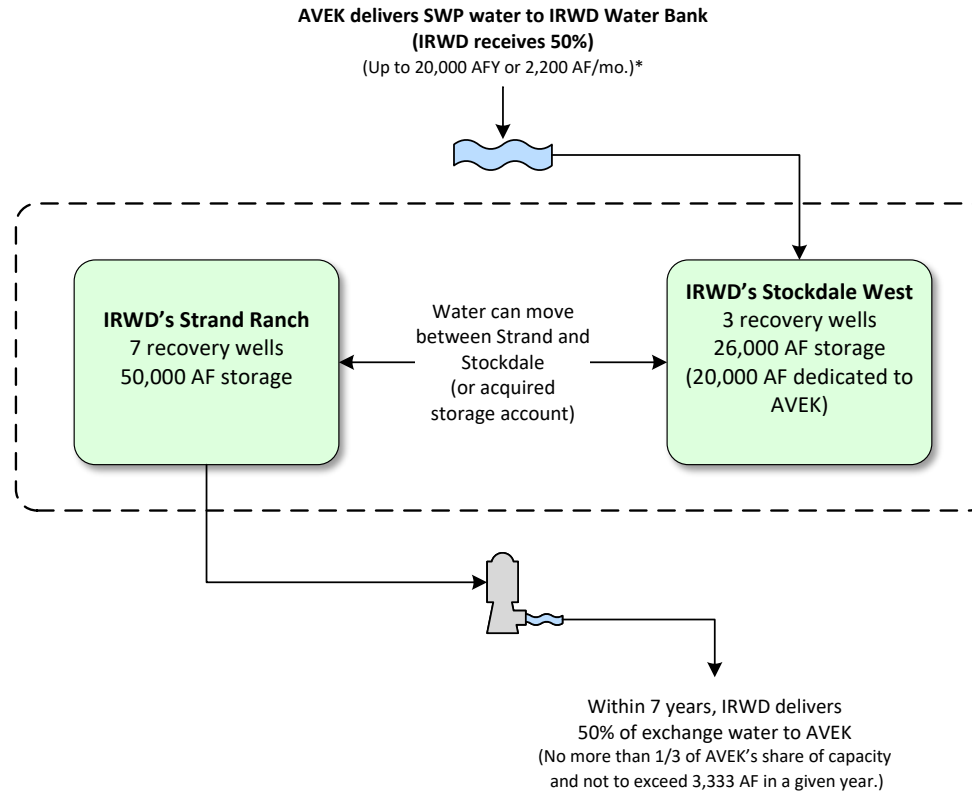


†The cost of water exchanged between IRWD and DRWD will be equalized

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Exhibit "P"

Antelope Valle-East Kern Water Agency (AVEK) Long Term Water Exchange Program Effective 12/21/2018 through 12/31/2035

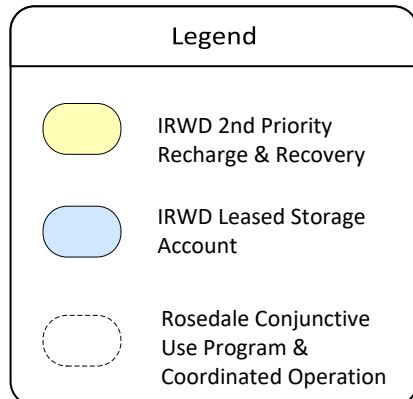
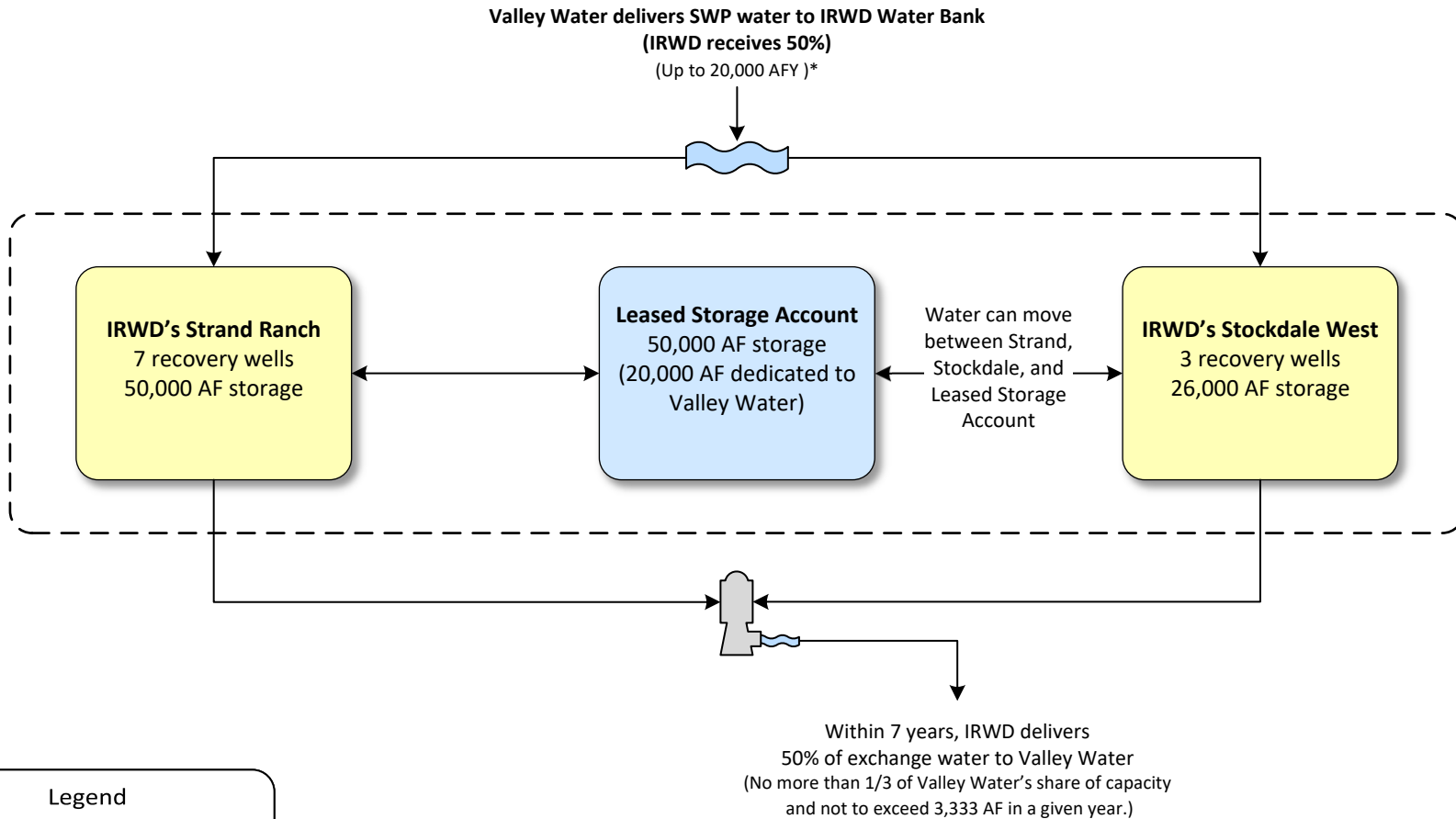


*Up to 20,000 AF per year of AVEK Exchange Water may be delivered to IRWD for recharge using recharge facilities at the Strand Ranch and Stockdale West for storage in the Stockdale West Bank. IRWD shall remit one-half of stored supplies less one half of losses back to AVEK no later than December 31st of the 7th year, following the associated recharge event.

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Exhibit "Q"

Santa Clara Valley Water District (Valley Water) Long Term Water Exchange Program
Effective 9/4/2024 through 12/31/2035



*Up to 20,000 AF per year of Valley Water Exchange Water may be delivered to IRWD for recharge using recharge facilities at the Strand Ranch and Stockdale West for storage in IRWD's Leased Storage Account. IRWD shall remit one-half of stored supplies less one half of losses back to Valley Water no later than December 31st of the 7th year, following the associated recharge event.

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Exhibit "R"

TABLE 6
Cost of Water Exportable to IRWD Service Area
 July 16, 2026

Program Partner	Agreement	Water Type	IRWD Exportable Water Stored in Kern County ^{1,4} (AF)	Cost of Water (\$/AF) ⁵	Estimated Recovery of Water ² (\$/AF)	2026 MWD Tier 1 Untreated Rate and SAC Surcharge ³ (\$/AF)	Total Cost of Water to IRWD Service Area (\$/AF)
Carpinteria	2008 Short Term	Table A	250	\$223	\$130	\$ 985	\$1,338
	2011 Short Term	Table A	-	\$219	\$130	\$ 985	\$1,334
Buena Vista	2010 Short Term	Kern River	-	\$225	\$130	\$ 985	\$1,340
	2011 Long Term	Kern River	10,772	\$230	\$130	\$ 985	\$1,345
	2023 Short Term	Kern River	1,923	<i>Pending</i>	\$130	\$ 985	<i>Pending</i>
AVEK	2011 Short Term	Table A	-	\$220	\$130	\$ 985	\$1,335
	2023 Long Term	Table A	3,032	<i>Pending</i>	\$130	\$ 985	<i>Pending</i>
Metropolitan	2014 Short Term	Table A	-	\$227	\$130	\$ 985	\$1,342
Central Coast	2017 Short Term	Table A	-	\$249	\$130	\$ 985	\$1,364
	2019 Short Term	Table A	25	\$239	\$130	\$ 985	\$1,354
	2023 Short Term	Table A	193	<i>Pending</i>	\$130	\$ 985	<i>Pending</i>
DRWD	2013 Long Term	Table A, Article 21	-	<i>Pending</i>	\$130	\$ 985	<i>Pending</i>
	2018 Long Term	Table A	1,542				
Total			17,737				

¹ Water banking data from 2010 to 2023. Buena Vista water and Carpinteria 2008 water is not exportable but can be exchanged for an exportable water supply.

² Recovery costs include estimated PG&E power for pumping, CVC charges, Recovery O&M, and Rosedale administrative charges to deliver to MWD service area.

³ Assumes IRWD would take delivery as extraordinary supply through Irvine Lake to the Baker Water Treatment Plant. The SAC surcharge rate is estimated at \$1/AF.

⁴ Exhibit R takes the IRWD balance stored in Kern minus the following non-exportable supplies: Semitropic, Dudley Ridge (SWPAO #19001), and Buena Vista 2023.

⁵ Cost of Water = Capital Component (\$190) + Fixed Costs (\$21) + Variable Recharge Costs

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Exhibit “S”

Summary of IRWD’s Coordinated Operating, Water Storage, Exchange and Delivery Agreement with Metropolitan Water District and Municipal Water District of Orange County (MWDOC) (February 19, 2025)

Agreement approved (unanimously) by the IRWD Board on November 22, 2010;
Agreement Term: April 21, 2011 to November 4, 2035

Summary of Benefits to IRWD:

1. IRWD benefits from all State Water Project (SWP) water IRWD secures; Metropolitan’s borrowing of this water is temporary.
2. On behalf of IRWD, Metropolitan uses its SWP exchange and conveyance capacities to move IRWD’s water for banking.
3. IRWD can “store” water in Metropolitan’s system as a credit, freeing up space in IRWD’s Water Bank with the water stored closer to the IRWD service area.
4. IRWD does not incur conveyance or evaporation losses on its water that is conveyed in Metropolitan’s system and stored in Metropolitan’s reservoirs.
5. IRWD avoids groundwater recovery (pumping) costs when Metropolitan issues a credit for IRWD’s SWP supplies in Southern California (estimated \$130/AF¹).
6. IRWD pays Metropolitan’s melded system power rate – currently \$179/AF, not DWR’s current power costs of \$223/AF² (\$44/AF savings).
7. Deliveries are on-demand to IRWD at its service connections in Orange County, which are not subject to lower priorities for wheeling.
8. Metropolitan pays all SWP costs, including variable OMP&R supply costs, associated with SWP water secured by IRWD³.
9. IRWD pays Metropolitan’s Full-Service Tier-1 Untreated Rate, which is currently \$984/AF, for deliveries at its service connections allowing IRWD to avoid higher Metropolitan wheeling charges.
10. IRWD only pays once for supply at the current Tier-1 Supply Rate of \$313/AF.
11. Deliveries to IRWD’s service area qualify as Extraordinary Supply during a Water Supply Allocation, allowing IRWD to avoid Metropolitan’s Allocation Surcharge of between \$1,480/AF and \$2,960/AF.
12. IRWD increases local water supply reliability for its ratepayers.

¹ Estimated from IRWD’s current groundwater pumping costs and Water Bank related operations costs. Metropolitan has the option to extinguish credits by returning water to the IRWD Water Bank. In recent borrowing letter agreement, Metropolitan agreed to waive its ability to return borrowed water to the Water Bank.

² Melded system and actual power costs were taken from Metropolitan’s Fiscal Years 2024-25 and 2025-26 Biennial Budget Report and Cost of Service Study.

³ Does not include fixed costs paid by IRWD’s unbalanced exchange partners. In 2014 and 2017, Metropolitan’s SWP costs were \$1,097/AF and \$359/AF, respectively.

Summary of Benefits to MWD:

1. Metropolitan maintains control of all SWP supplies entering its service area as required by its SWP Contract with California Department of Water Resources (DWR).
2. Metropolitan's investments in the SWP are protected by not causing a reduction in revenue received by Metropolitan for payment of SWP fixed charge obligations.
3. Metropolitan can temporarily borrow SWP water secured by IRWD.
4. Metropolitan is assured that IRWD is not competing for water supplies.
5. Increased regional water supply reliability.

DRAFT



STATUS OF IRWD WATER BANKING EXCHANGE PROGRAMS

Supply Reliability Programs Committee
July 16, 2026

1

1

OVERVIEW

1. Summary of IRWD Exchange Programs
2. Overview of Each Program
 - Program type
 - Term
 - Water Type
 - Status
3. Exchanges using State Water Project (SWP) carryover water
4. Exchange program considerations



San Luis Reservoir



2

2

SUMMARY OF EXCHANGE PROGRAMS

IRWD Exchange Partner		Program Type
Buena Vista Water Storage District	Buena Vista	2-for-1 Exchange
Antelope Valley-East Kern Water Agency	AVEK	2-for-1 Exchange
Central Coast Water Authority	Central Coast	2-for-1 Exchange
Dudley Ridge Water District	DRWD	2-for-1 Exchange and 1-for-1 Exchange
Las Virgenes Municipal Water District	Las Virgenes	Shared Reliability
Santa Clara Valley Water District	Valley Water	2-for-1 Exchange
Zone 7 Water Agency	Zone 7	2-for-1 Exchange
Homer LLC	Homer	Capacity Exchange and 1-for-1 Exchange



3

3

BUENA VISTA WATER STORAGE DISTRICT

Type: Long-Term 2-for-1 Exchange Program

Term: January 2011 through January 2039

Water Type: Kern River Water

- Department of Water Resources (DWR) State Water Project Analysis Office (SWPAO) Agreement not needed

Status: Buena Vista has delivered water to the IRWD Water Bank 5 years in the last 16 years

- No Kern River Water available in 2026

Dedicated Storage (AF)	Dedicated Recharge (AFY)	Priority	Notice Date	Delivery Requests		Last Contact
				2026	2027	
40,000	17,500	First	None	0	TBD	July 2026



4

4

ANTELOPE VALLEY-EAST KERN WATER AGENCY

Type: Long-Term 2-for-1 Exchange Program

Term: December 2018 through December 2035

Water Type: SWP Water

- SWPAO Agreement #23024 for 2023 deliveries to IRWD Water Bank
 - Amendment to extend term of recovery
- New SWPAO Agreement in process for future AVEK deliveries

Status: AVEK last delivered water to the IRWD Water Bank in 2023

- No water available in 2026

Dedicated Storage (AF)	Dedicated Recharge (AFY)	Priority	Notice Date	Delivery Requests		Last Contact
				2026	2027	
20,000	20,000	First	March 31	0	TBD	July 2026



5

5

CENTRAL COAST WATER AUTHORITY

Type: Short-Term 2-for-1 Program Agreements

- In 2010, 2012, 2017, 2019, and 2023

Term: Six years from the effective date of each program

Water Type: SWP Water

- SWPAO #23011 to deliver water in 2023 (implemented as transfer)
 - New SWPAO Agreement needed for return of banked water (upon request)
- New SWPAO Agreement needed for future Central Coast deliveries

Status: Central Coast last delivered water in 2023

- No water in 2026

Dedicated Storage (AF)	Dedicated Recharge (AFY)	Priority	Notice Date	Delivery Requests		Last Contact
				2026	2027	
No current program				0	TBD	July 2026



6

6

DUDLEY RIDGE WATER DISTRICT: 2-FOR-1 EXCHANGE

Type: 2-for-1 Exchange Program

Term: Through 2027

Water Type: SWP Water

- SWPAO Agreement #17030 allows deliveries to IRWD Water Bank
- New SWPAO Agreement will be developed in 2027

Status: Table A delivery to IRWD Water Bank expected in Fall

Dedicated Storage (AF)	Dedicated Recharge (AFY)	Priority	Notice Date	Delivery Requests		Last Contact
				2026	2027	
16,000 ¹	7,100 ¹	First	N/A	789	TBD	N/A

¹ Capacity dedicated for IRWD use



7

7

DUDLEY RIDGE WATER DISTRICT: 1-FOR-1 EXCHANGE

Type: Long Term 1-for-1 Exchange Program

Term: May 31, 2017 through November 4, 2035

Water Type: SWP Water and Kern River Water

- SWPAO Agreement #19001 allows deliveries through end of 2025, with returns through end of 2030
- DRWD working with DWR to extend program through amended or new SWPAO

Status: DRWD pre-delivered SWP water in July 2025

Dedicated Storage (AF)	Dedicated Recharge (AFY)	Priority	Notice Date	Delivery Requests		Last Contact
				2026	2027	
16,000 ¹	7,100 ¹	First	N/A	0	TBD	May 2026

¹ Capacity dedicated for IRWD use



8

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SANTA CLARA VALLEY WATER DISTRICT

Type: Long Term 2-for-1 Exchange Program

Term: May 5, 2026 through November 4, 2035

Water Type: SWP Water

- Valley Water, Metropolitan and Kern County Water Agency working with DWR on SWPAO Agreement
- Expected in fall

Status: Valley Water expects to deliver water in 2026 and 2027

Dedicated Storage (AF)	Dedicated Recharge (AFY)	Priority	Notice Date	Delivery Requests		Last Contact
				2026	2027	
20,000	20,000	Second	None	5,000	Up to 15,000	July 2026



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ZONE 7 WATER AGENCY

Type: Long-Term 2-for-1 Exchange Program

- Amendment to COA to Metropolitan Board in September
 - Adding Kern Fan Project
- Metropolitan consent expect in October

Term: Through November 4, 2035

Water Type: SWP Water

- SWPAO Agreement needed
- Request to DWR by November

Status: Deliveries to Kern Fan Project expected early 2027

Dedicated Storage (AF)	Dedicated Recharge (AFY)	Priority	Notice Date	Delivery Requests		Last Contact
				2026	2027	
15,000	15,000	First	None	0	~5,000	July 2026



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LAS VIRGENES MUNICIPAL WATER DISTRICT

Type: Water Storage and Exchange Program

Term: January 20, 2026 through November 4, 2035

Water Type: SWP Water

- Water delivered to IRWD Water Bank in 2025 under SWPAO #19001
- Letter Amendment to COA with Metropolitan in process

Status: Dudley Ridge delivered 6,000 AF of SWP Table A in 2025

- 3000 AF for IRWD and 3,000 AF for Las Virgenes
- Las Virgenes paid for all the water (2-for-1 Exchange)

Dedicated Storage (AF)	Dedicated Recovery ¹ (AFY)	Priority	Notice Date	Recovery Requests		Last Contact
				2026	2027	
6,000	850	Second	None	0	TBD	July 2026

¹ Recovery capacity dedicated for Las Virgenes use



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HOMER LLC

Type: Both Capacity and 1-for-1 Exchanges

Term: November 2025 through December 2034

Water Type: SWP and Non-SWP Water

- SWPAO agreement needed for 1-for-1 exchanges upon delivery request by Homer

Status: IRWD utilized Homer's Cross Valley Canal capacity in 2023

- Homer may utilize IRWD Water Bank to bank 1,854 AF

Dedicated Storage (AF)	Dedicated Recharge (AFY)	Priority	Notice Date	Delivery Requests		Last Contact
				2026	2027	
8,000	8,000	Second	None	1,854	0	July 2026



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EXCHANGES USING SWP CARRYOVER WATER

1. Previously not allowed under SWP Contract
2. Allowed under Water Management Amendment (2021)
3. Deliveries limited to a single year
 - Future returns as separate transfer transactions
4. DWR determines carryover delivery limits January 15 of each year
5. IRWD / Metropolitan successfully delivered 450 AF of Central Coast carryover water to the IRWD Water Bank in 2023
 - Delivered as a single-year transfer
 - New SWPAO Agreement is needed upon request to return water to Central Coast
6. Transfer approach not preferred moving forward
7. Metropolitan is exploring with DWR traditional exchange approach
 - Valley Water carryover water into IRWD Water Bank in 2027



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EXCHANGE PROGRAM CONSIDERATIONS

1. Unpredictability of future supplies
2. Each exchange partner manages their supplies to maximize their own benefits
 - 2-for-1 exchanges are lower priority → Avoid committing to deliveries until necessary
3. SWPAO Agreement development can cause delay
 - DWR has limited resources in preparing SWPAO Agreements
 - DWR typically limits transactions to single-year deliveries
 - Multi-year agreements take longer
4. Each SWPAO Agreement subject to KCWA Board approval
5. Limited conveyance capacity available to IRWD
 - Kern Fan Project will alleviate this limitation



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QUESTIONS

Exhibit "U"

TABLE 8
IRWD 2026 Recharge Operations- BEFORE LOSSES
 July 16, 2026

Forecasted Amounts:

Month	IRWD Table A (AF)	DRWD 1:1 (AF)	DRWD 1:1 Pre-delivery (AF)	MWD (AF)	Homer (AF)	Valley Water (AF)	Total (AF)	Status	Expected Recharge ¹ (AF)	Expected Recharge Rate (CFS)
January	-	-	-	-	-	-	-	prelim	-	130
February	-	-	-	-	-	-	-	prelim	-	130
March	-	-	-	-	-	-	-	prelim	-	130
April	-	-	-	-	-	-	-	prelim	-	130
May	-	-	-	-	-	-	-	prelim	-	130
June	-	-	-	-	-	-	-	prelim	-	130
July	-	-	-	-	-	-	-	prelim	-	130
August	-	-	-	-	-	-	-		-	130
September	-	-	-	-	-	-	-		-	130
October	789	-	-	-	-	3,000	3,789		3,789	130
November	-	-	-	79	1,854	2,000	3,933		3,933	100
December	-	-	-	-	-	-	-		-	80
Total	789	-	-	79	1,854	5,000	7,722		7,722	
Recharge goal:	789	-	-	79	1,854	5,000	7,722			

¹ The expected recharge is based on the expected recharge rate and remaining recharge capacity.

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July 16, 2026

Prepared by: R. Huang

Submitted by: F. Nye / P. Weghorst

Approved by: Paul A. Cook 

SUPPLY RELIABILITY PROGRAMS COMMITTEE

SITES RESERVOIR PROJECT UPDATE AND DRAFT TERMS FOR BENEFITS AND OBLIGATION CONTRACT

SUMMARY:

IRWD is participating in the planning of the Sites Reservoir Project for the purpose of securing 1,000 acre-feet (AF) of annual release capacity and 6,234 AF of storage capacity from the facilities. This would provide IRWD with an annual water supply for recharge at the proposed Kern Fan and South Valley Projects. The following is an update on securing water rights for the Project and an overview of draft terms for the Benefits and Obligations (B&O) Contract that will facilitate participation in the final design, construction, and operation of the Project. Also provided is an update on the overall Project Schedule.

BACKGROUND:

The proposed Sites Reservoir Project would allow the diversion and storage of 1.5 million acre-feet (AF) of stormwater flows from the Sacramento River. The Project facilities shown on Exhibit “A” will be owned by the Sites Project Authority, and capacities in the Project will be owned by the Project participants. As a participant, IRWD’s share in the Project would be 1,000 AF of annual release capacity and 6,234 AF of storage capacity. This capacity would provide IRWD with a schedulable annual water supply for recharge at IRWD’s proposed Kern Fan and South Valley Projects. An update of the Project’s water right permit, the draft terms for the B&O Contract, and the Project schedule are provided below.

Water Right Permit:

On March 20, 2026, the State Water Resources Control Board issued the Sites Reservoir Draft Water Right Permit that would allow the Authority to divert and store Sacramento River water in the Project. The Authority and other parties submitted written comments on the Draft Permit on May 22, 2026. The State Board’s Administrative Hearings Office will hold a one-day supplemental hearing on July 24, 2026, to examine the Authority’s request for changes to the Draft Permit that are in the public interest. After the supplemental hearing, parties may submit supplemental briefs and evidentiary objections by August 10, 2026. The Sites Authority can then respond to any evidentiary objections by August 17, 2026. The State Board intends to circulate a Revised Draft Permit on September 3, 2026, followed by a 30-day written comment period. The State Board will consider adoption of a Final Draft Permit in early November 2026.

Terms of Benefits and Obligations Contract:

The B&O Contract between the Authority and the Project participants will establish funding commitments for the final design, construction, and operation of the Project in return for capacity rights and water from the Project. Two additional documents will be released with the B&O

Contract in the near future: 1) The Operations Plan will describe the day-to-day decision process for when and how to divert and release water, and 2) The Project Baseline Report will describe Project yield, costs, and finance plans. The Authority is proposing a six-month open participant commitment period between October 2026 and March 2027 during which participants can consider executing the B&O Contract. Execution of the contract would allow IRWD to participate in the final design, construction, and operation of the Project.

At the Committee meeting, staff will present a detailed overview of current draft terms for the B&O Contract. Staff's draft presentation is provided as Exhibit "B".

Project Schedule:

Major upcoming milestones for the Project are shown in the Project Schedule below:

Event/ Milestone	Estimated Date
Revised Draft Water Right Permit	September 2026
Project Baseline Report	October 2026
Participant Commitment Period	October 2026
Final Water Right	November 2026
Close of Participant Commitment Period	March 2027
Prop 1 Final Award and WIFIA Loan	March 2027
Execute Reclamation Partnership Agreement	April 2027
Initiate Construction	Summer 2027
Complete Construction	2035

FISCAL IMPACTS:

Based on the current \$7.5 million cost estimate for the Project and IRWD's current participation level, IRWD's share of the Project's capital cost will be \$31.2 million (in 2024 dollars).

ENVIRONMENTAL COMPLIANCE:

The Authority certified a Final Environmental Impact Report / Environmental Impact Statement (EIR/EIS) for the Project in November 2023. IRWD would need to adopt the EIR / EIS as a responsible agency prior to execution of the B&O Contract.

RECOMMENDATION:

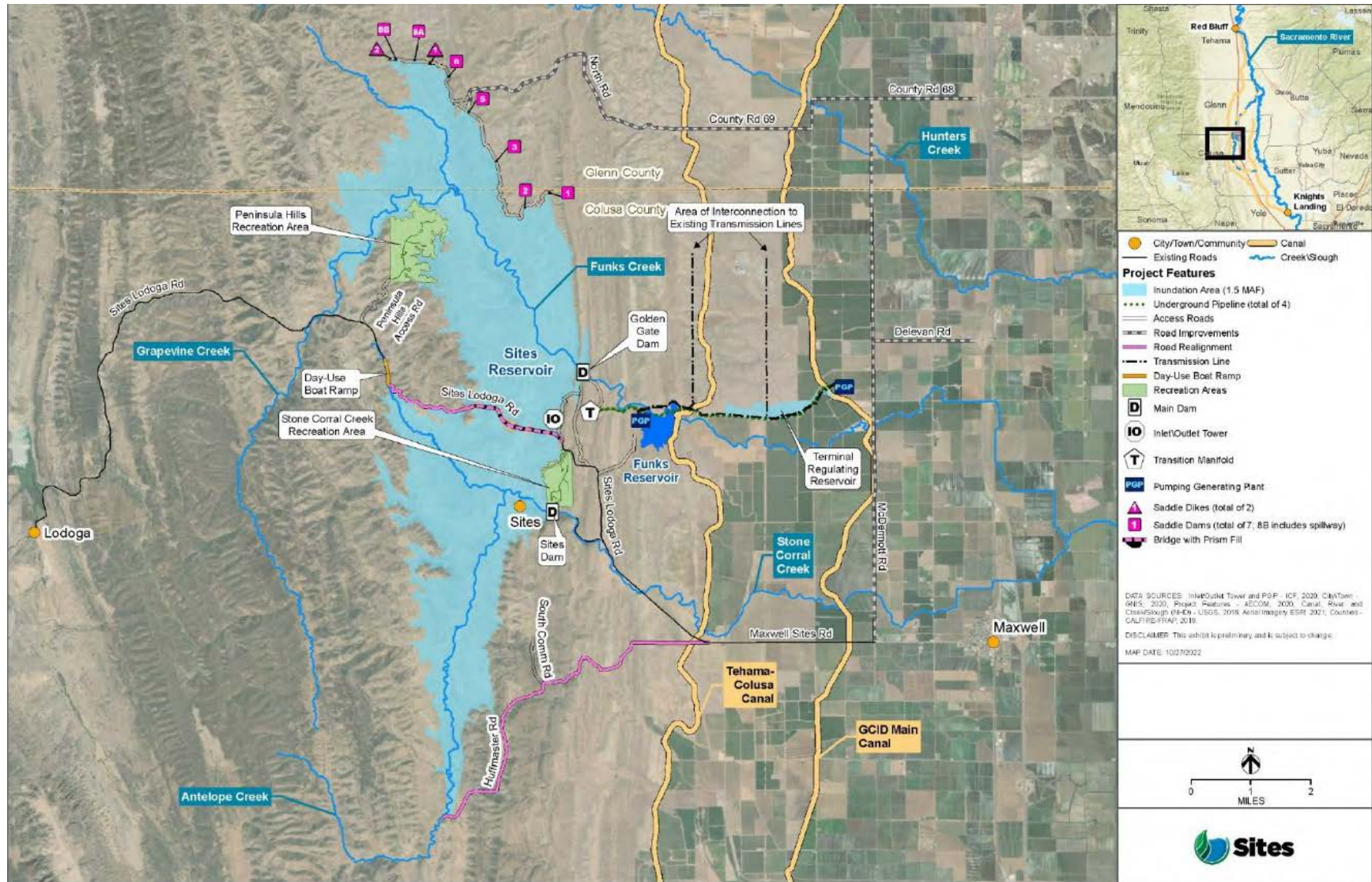
Receive and file.

LIST OF EXHIBITS:

Exhibit "A" – Project Location and Facilities Map

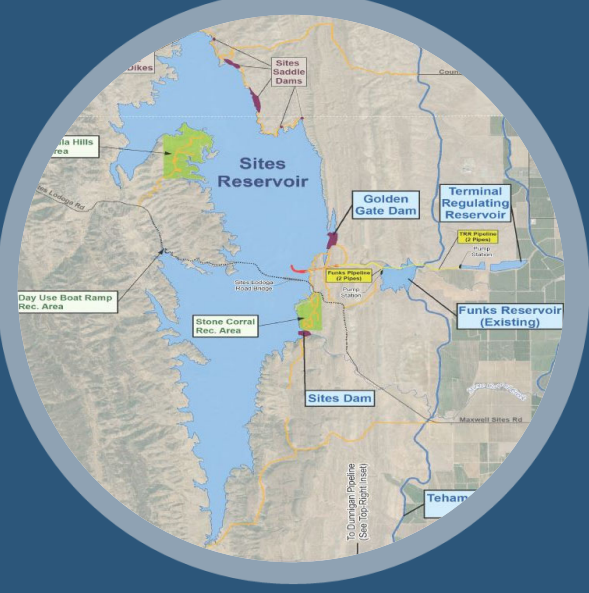
Exhibit "B" – Draft Presentation on Draft Terms for Benefits and Obligations Contract

Exhibit "A"



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DRAFT



The map shows the Sites Reservoir and its surrounding area. Key features labeled include: Sites Reservoir, Golden Gate Dam, Terminal Regulating Reservoir, Funks Reservoir (Existing), Sites Dam, Stone Corral Rec. Area, Day Use Boat Ramp Rec. Area, Sites Saddle Dams, and Tehama. The map also shows the To Dumbarton Pipeline (San Diego Right of Way) and the Maxwell Sites Rd.

**SITES RESERVOIR
BENEFITS &
OBLIGATIONS
CONTRACT:
DRAFT TERMS**

SUPPLY RELIABILITY PROGRAMS
COMMITTEE MEETING
JULY 16, 2026

Irvine Ranch Water District

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AGENDA

1. Overview of Benefits & Obligation (B&O) Contract
2. Reservoir Management Board
3. Ownership and construction off-ramp
4. Proposed capacity interests
5. Operations and maintenance
6. Storage and release of water
7. Capital cost financing and payment of costs
8. Leasing, sales of capacity, water sales, and exchanges
9. Capital improvements
10. Default, termination, and severability

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OVERVIEW OF B&O CONTRACT

- Describes commitment/obligations between the Sites Reservoir Authority and Sites Project Participants
- Serves as basis for:
 - Funding
 - Financing
 - Designing
 - Constructing; and
 - Operating the Project
- Paired with two documents:
 - Operations Plan
 - Baseline Report



Rendition of Sites Reservoir



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RESERVOIR MANAGEMENT BOARD

- Upon executing B&O Contract, IRWD will become member of Reservoir Management Board (RMB)
- Authority Board (AB) delegate design, construction, operation and maintenance of the Project to RMB
- RMB same membership as current Reservoir Committee



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OWNERSHIP AND CONSTRUCTION OFF-RAMP

- Authority to own share of all Project assets
- Participants to own:
 - Base Facilities Capacity Interest based on storage
 - Downstream Facilities Capacity Interest based on South of the Delta participation
- When Participant payments exceed \$500 million, RMB to consider proceeding with completion of construction
 - 75% weighted vote required
 - Potential off-ramp for all Participants
- Individual Participants may sell capacities



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PROPOSED SITES RESERVOIR CAPACITY INTERESTS

Storage Partner	Reservoir Committee/ Reservoir Management Board/ Participant	Authority Board	Storage Allocation (AF)	Base Facilities Capacity Interest (%)	Base Facilities Holders with Downstream Capacity Interest (%)	Downstream Facilities Capacity Interest (%)
Antelope Valley-East Kern Water Agency	x		3,117	0.22%	0.22%	0.26%
City of American Canyon	x		24,936	1.77%	1.77%	2.11%
Coachella Valley Water District	x		62,340	4.42%	4.42%	5.27%
Colusa County	x	x	18,702	1.33%		0.00%
Colusa CoWD	x	x	57,702	4.09%		0.00%
Cortina Water District	x		2,805	0.20%		0.00%
Davis Water District	x		12,468	0.88%		0.00%
Desert Water Agency	x		40,521	2.87%	2.87%	3.43%
Dunnigan Water District	x		18,527	1.31%		0.00%
GCID	x	x	6,234	0.44%		0.00%
Irvine Ranch Water District	x		6,234	0.44%	0.44%	0.53%
LaGrande Water District	x		6,234	0.44%		0.00%
Metropolitan Water District of Southern CA	x		311,700	22.11%	22.11%	26.37%
RD108	x	x	6,234	0.44%		0.00%
Rosedale-Rio Bravo Valley Municipal	x		3,117	0.22%	0.22%	0.26%
San Bernadino Valley Muni Water District	x		133,408	9.46%	9.46%	11.29%
San Geronio Pass Water Agency	x		87,276	6.19%	6.19%	7.38%
Santa Clara Valley Water District	x		9,351	0.66%	0.66%	0.79%
Santa Clarita Valley Water Agency	x		31,170	2.21%	2.21%	2.64%
Westside Water District	x	x	23,204	1.65%		0.00%
Wheeler Ridge-Maricopa Water Storage	x		12,780	0.91%	0.91%	1.08%
Zone 7 Water Agency	x		62,340	4.42%	4.42%	5.27%
Total			940,400	66.70%	55.91%	66.70%
State			244,000	17.30%	17.30%	17.30%
Federal			225,600	16.00%	16.00%	16.00%
Total			469,600	33.30%	33.30%	33.30%
Grand Total			1,410,000	100.00%	89.21%	100.00%

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OPERATION AND MAINTENANCE (O&M)

- Authority obligated to:
 - Protect Sites water right
 - Implement policy direction of RMB and AB
- Storage and conveyance in accordance with Operations Plan
- Sites and other water can be stored
- Reasonable efforts will be made to optimize Sites Water diversion and beneficial use
- Storage Partners with Downstream Facilities Capacity Interest have first priority use of Downstream Facilities
 - Wheeling fees for exceeding capacity



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OTHER O&M PROVISIONS

- Power Generation revenues to offset variable O&M costs
- Authority shall maintain accurate records of diversion storage and release of water
- Upon a permanent reduction in Sites Water supply:
 - Authority will adjust storage, diversion and release of Sites Water in proportion to capacity interests
- Authority does not guarantee quality of water delivered
- Authority will ensure compliance with Partner Agreements to protect water in conveyance facilities
 - Unauthorized diversions



8

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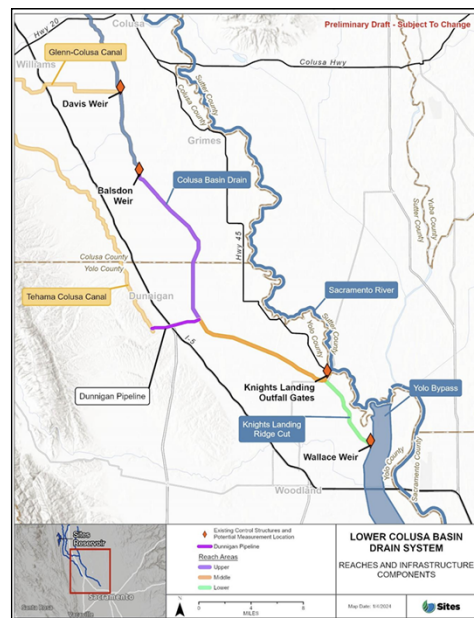
STORAGE OF WATER

- Sites Water
 - Diversions allocated based on each Participant's Base Facilities Capacity Interest
 - Participants share in losses
- Other Water
 - Non-Sites Water stored and/or conveyed in Project Facilities
 - Subject to approval of AB and RMB.
 - Lower priority than Sites Water
 - Participants' Other Water to incur a share in losses



RELEASE OF WATER

- Delivery Point is Sacramento River for South of the Delta Participants
- If AB or RMB determine downstream capacity is inadequate, Authority shall secure improved conveyance (e.g., Dunnigan Pipeline extension)
- Authority will minimize losses in downstream facilities
- All efforts will follow Beneficiary Pays Principle



CAPITAL COST FINANCING OPTIONS

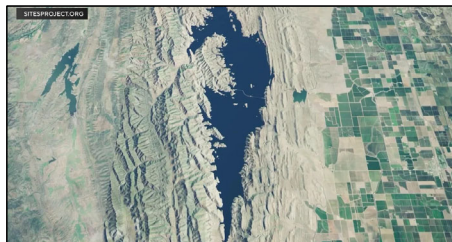
- Self-Funding Participants (pay-go) to provide Authority with:
 - Self-funding Notice
 - Cash Payments
- Financing Participants:
 - Authority provides a written Sites Financing Incurrence Notice
 - Financing Participants provide appropriate information, certificates and documentation
 - Repayment of WIFIA loan and other loans
 - Option to finance interest during construction
- Hybrid Approach



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PAYMENT OF PROJECT COSTS

- Fixed O&M costs, financing obligations and fixed project costs shall be billed one-year in advance
 - Proportional to Participant's Capacity Interest
- Variable O&M costs shall be billed for the applicable six-month period and in proportion to diversion, storage and releases
- Annual true-ups
- Costs unpaid 30 days after due date accumulate interest



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LEASING OR SALES OF CAPACITY

- Participants can lease or sell Storage Capacity or Downstream Conveyance Capacity
 - Right of first refusal by Storage Partners
- May negotiate transaction at own discretion if:
 - Transaction does not negatively impact Storage Partners, Project bond rating, Project tax exempt borrowing status
 - Leasing Participant still responsible for Project obligations
 - Lease term to be less than 10 years
- Transaction requires RMB and Authority approval



GCID Main Canal Pumping Plant use to divert Sites water



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WATER SALES OR EXCHANGE

- Participants can sell or exchange water
- May negotiate transaction at own discretion if:
 - Sale does not negatively impact Storage Partners, Project bond rating, Project tax exempt borrowing status
 - Notice of sale or exchange provided to Sites Authority
- Water Exchanges with DWR and Reclamation
 - Participants affiliated with State Water Project or Central Valley Project contractors may exchange Sites Water and Other Water with the Department of Water Resources or Reclamation
 - Authority will facilitate such exchanges
 - Participant making the exchange bears all costs and risk of loss



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CAPITAL IMPROVEMENTS

- Authority or any Participant may request capital improvements to provide added benefit to Project
- Authority will distribute document detailing anticipated costs and benefits for approval by RMB
- Participants must pay costs



Red Bluff Diversion Dam
Used to Divert Sites Water



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DEFAULT

- If a Participant fails to pay or perform B&O contract obligations
 - Authority shall make written demand upon Participant
- Participant defaults if not remedied within 90 days of written demand
- Participants in default if bankrupt or insolvent
- Defaulting Participant loses right to cast RMB votes, capacity interest, and right to Authority services but is liable for full Project Costs



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WATERFALL ON DEFAULT

- Authority will sell defaulting Participant's Capacity Interest, water, and conveyance rights
- Non-defaulting Storage Partners get right of first refusal, with capacity interest distributed on a pro-rata basis
- If can't sell to non-defaulting Storage Partners, authority may sell to non-Storage Partners
- If can't sell to non-Storage Partners, Authority will apportion defaulted capacity interest pro-rata to remaining non-defaulting Participants



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TERMINATION

- AB and RMB can terminate contract due to infeasibility, impracticality, or funding /construction failure
- Authority will first attempt to sell project assets to Storage Partners
- If Storage Partner are not interested, a Project Assets Plan will be developed to sell assets
- Proceeds from sale will go to:
 - Authority debts incurred funding project
 - Mitigation costs for hazardous/unsafe site conditions
 - Storage Partners based on the pro-rata cost share
- Upon completion of Project Assets Plan implementation, the Project and capacity interests will be terminated



18

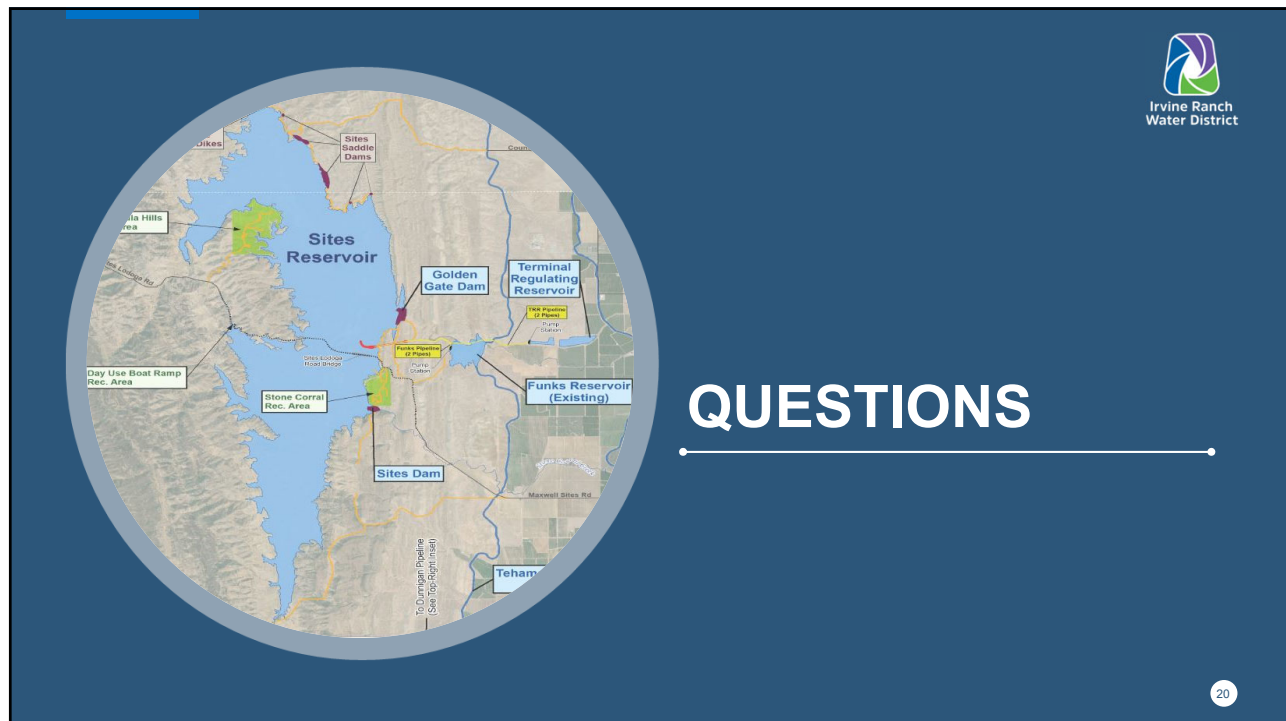
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SEVERABILITY (IMPORTANT TO PROJECT)

- If any provision or part of B&O is ruled invalid (including AB and RMB governance structure) by a court, parties shall:
 - Promptly meet and negotiate a substitute for such provision or part
 - Apply to the same court for an interpretation of the invalidated portion
- If delegation of authority to the RMB is ruled invalid, actions will require approval by weighted share of the Project Participants
- The invalidity or unenforceability of any provision shall not affect the balance of the B&O contract



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