

AGENDA  
IRVINE RANCH WATER DISTRICT  
SUPPLY RELIABILITY PROGRAMS COMMITTEE  
MONDAY, MAY 5, 2025

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=m891c66454f957dc22ff6fc488778c2f4>  
Meeting Number (Access Code): 2496 815 5309  
Meeting Password: z9MJAiREc78

*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    2:00 p.m.

ATTENDANCE      Committee Chair:    Doug Reinhart    \_\_\_\_\_  
                         Committee Member: Peer Swan    \_\_\_\_\_

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

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](mailto:comments@irwd.com) before 8:00 a.m. on Monday, May 5, 2025.

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## COMMUNICATIONS

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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.

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## INFORMATION

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| 5. <u>WATER BANKING PROJECT FACILITIES, CAPACITIES, OPERATIONS, AND PROGRAMS – SEESANGRIT / SANCHEZ / WEGHORST</u> |  |
| Recommendation: Receive and file.  |  |
| 6. <u>KERN FAN GROUNDWATER STORAGE PROJECT UPDATE – SANCHEZ / WEGHORST</u>   |  |
| Recommendation: Receive and file.  |  |



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## OTHER BUSINESS

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

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Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the above-named 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.

May 5, 2025

Prepared by: M. Seesangrit

Submitted by: F. Sanchez / P. Weghorst

Approved by: Paul A. Cook *PA*

## 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 and provide an overview of IRWD's forecasted monthly recharge operations for 2025. 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 as well as forecasted recharge operations for calendar year 2025 at the IRWD Water Bank.

#### Capacity and Operations Tables:

A table presenting storage, recharge, and recovery capacities of existing and planned 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. No significant changes have occurred to these exhibits since the last Committee meeting.

#### 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. 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). The tables

provided as Exhibit “F” shows 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, and Antelope Valley-East Kern Water Agency. A new exhibit was added as Exhibit “Q” for the long-term exchange program with Santa Clara Valley Water District (Valley Water) that is currently being implemented. 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 2025 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 to reflect 2023 and 2024 operations once all invoices have been 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 (Coordinated Agreement) is provided as Exhibit “S”. The benefits to IRWD are foundational to the success of IRWD’s water banking project and programs.

#### Forecasted 2025 Water Recharge Activities:

Projected 2025 deliveries to IRWD’s Water Bank are depicted in Exhibit “T”. In April, the Department of Water Resources (DWR) announced an increase in the 2025 SWP Table A

allocation from 40% to 50%. Based on the updated allocation, IRWD's 2025 Table A amount at the Jackson Ranch in Dudley Ridge is currently projected to be 875 AF. It is expected that this water will be delivered to the IRWD Water Bank in the fall. Metropolitan will also return 79 AF of Dudley Ridge Table A water taken by Metropolitan in 2021 and 2022.

Deliveries are also expected from Homer, LLC and from Valley Water. Homer is expected to recharge 1,854 AF. Valley Water is expected to recharge approximately 2,000 AF of SWP water at the IRWD Water Bank and is finalizing a State Water Project Analysis Office (SWPAO) agreement with DWR, Kern County Water Agency, and Metropolitan.

Recently, staff initiated discussions with Zone 7 Water Agency on their potential interest in participating in IRWD's Water Bank. Staff will update the Committee on these discussions as relevant information becomes available.

At the Committee meeting, staff will provide an update on the status of anticipated water deliveries to the IRWD Water Bank for 2025. Staff will update the forecasted and preliminary delivery amounts shown in Exhibit "T" as the year progresses.

Water Supply Conditions Updates:

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 in 2025.

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” – Actual and Forecasted 2025 Recharge Operations

# Exhibit "A"

**TABLE 1**  
**Current and Anticipated Water Banking Projects**  
**Recharge, Storage and Recovery Capacities**  
May 5, 2025

WATER BANKING PROJECT	OWNERSHIP AND WELL INFO		ALLOCATED CAPACITY (AF)					1 <sup>st</sup> PRIORITY RECOVERY CONDITIONS (CFS)		2 <sup>nd</sup> PRIORITY RECOVERY CONDITIONS (CFS)	
	IRWD OWNED	WELLS EXISTING	TOTAL STORAGE CAPACITY	ANNUAL RECHARGE 1 <sup>ST</sup> PRIORITY	ANNUAL RECHARGE 2 <sup>ND</sup> PRIORITY	ANNUAL RECOVERY 1 <sup>ST</sup> PRIORITY	ANNUAL RECOVERY 2 <sup>ND</sup> PRIORITY	RECOVERY CAPACITY AS PLANNED <sup>1</sup>	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 <sup>2</sup>	No	-	50,000	-	-	-	-	-	-	-	-
Drought Relief Project Wells <sup>2</sup>	No	3	-	-	-	-	-	15.0	16.5	-	-
Kern Water Bank Storage Account <sup>4</sup>	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 <sup>3</sup>			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	-	-
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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	

<sup>1</sup> 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.

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

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

<sup>4</sup>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**  
May 5, 2025

TRANSACTIONS	WATER BANKING ENTITY							TOTAL BY WATER TYPE AND STORAGE LOCATION
	IRWD		BUENA VISTA (BVWSD)	CENTRAL COAST (CCWA)	ANTELOPE VALLEY- EAST KERN (AVEK)	SANTA CLARA VALLEY WATER DISTRICT	DUDLEY RIDGE WATER DISTRICT (DRWD) <sup>3</sup>	
	SWP <sup>1</sup>	NON-SWP <sup>2</sup>	NON-SWP	SWP	SWP	SWP	SWP	
BEGINNING WATER IN STORAGE 2024 (AF)								
Total Kern Water Bank <sup>4</sup>	-	4,322	-	-	-	-	-	4,322
Total MWD System	12,033	-	-	-	-	-	43	12,076
Total Kern County	15,006	20,598	11,181	225	3,536	-	872	51,418
Total DRWD 1-for-1 Long Term Exchange Credit <sup>5</sup>	7,525	-	-	-	-	-	-	7,525
TOTAL STORED WATER (1/1/2024)	34,564	24,920	11,181	225	3,536		915	75,341
(RECOVERY) AND RECHARGE IN 2024 (AF)								
KWB Recovery for use on Jackson Ranch <sup>6</sup>	-	-	-	-	-	-	-	-
2024 SWP Allocation (40%)	346	-	-	-	-	-	346	692
DRWD 1-for-1 Long Term Exchange (Recharge)	2,195	-	-	-	-	-	-	2,195
TOTAL 2024 TRANSACTIONS <sup>7</sup>	2,541	-	-	-	-		346	2,887
Total Kern Water Bank <sup>4</sup>	-	4,322	-	-	-	-	-	4,322
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 <sup>5</sup>	5,330	-	-	-	-	-	-	5,330
TOTAL STORED WATER (1/1/2025)	34,910	24,920	11,181	225	3,536		1,261	76,033
(RECOVERY) AND RECHARGE IN 2025 (AF)								
KWB Recovery for use on Jackson Ranch <sup>6</sup>	-	-	-	-	-	-	-	-
2025 SWP Allocation (50%)	-	-	-	-	-	-	-	-
Valley Water Long Term Exchange	-	-	-	-	-	-	-	-
Central Coast Short Term Exchange	-	-	-	-	-	-	-	-
DRWD 1-for-1 Long Term Exchange (Recharge) Est.	2,000	-	-	-	-	-	-	2,000
TOTAL ESTIMATED 2025 TRANSACTIONS <sup>7</sup>	2,000	-	-	-	-	-	-	2,000
ESTIMATED WATER IN STORAGE 2025 (AF)								
Total Kern Water Bank <sup>4</sup>	-	4,322	-	-	-	-	-	4,322
Total MWD System	12,033	-	-	-	-	-	43	12,076
Total Kern County	19,547	20,598	11,181	225	3,536	-	1,218	56,305
Total DRWD 1-for-1 Long Term Exchange Credit <sup>5</sup>	3,330	-	-	-	-	-	-	3,330
TOTAL ESTIMATED STORED WATER TO DATE	34,910	24,920	11,181	225	3,536	-	1,261	76,033

**NOTES:** MWD = Metropolitan Water District of Southern California.

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

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

<sup>3</sup> DRWD water supply will be returned by MWD or IRWD's Strand Ranch to IRWD's Jackson Ranch. MWD took delivery of IRWD's 2022 SWP allocation in June 2022.

<sup>4</sup> 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.

<sup>5</sup> 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.

<sup>6</sup> Water recovered from IRWD's Kern Water Bank account for use on Jackson Ranch.

<sup>7</sup> Total banking losses for 2023 deliveries to the IRWD bank are estimated to be 3,506 AF. Total banking losses for 2024 deliveries to the IRWD Water Bank are estimated to be 414 AF.

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# Exhibit "C"

**TABLE 3**  
**IRWD's Water Banking Storage, Recharge and Recovery Operations - AFTER LOSSES**  
May 5, 2025

TRANSACTIONS	WATER BANKING ENTITY							TOTAL BY WATER TYPE AND STORAGE LOCATION
	IRWD		BUENA VISTA (BVWSD)	CENTRAL COAST (CCWA)	ANTELOPE VALLEY-EAST KERN (AVEK)	SANTA CLARA VALLEY WATER DISTRICT	DUDLEY RIDGE WATER DISTRICT (DRWD) <sup>3</sup>	
	SWP <sup>1</sup>	NON-SWP <sup>2</sup>	NON-SWP	SWP	SWP	SWP	SWP	
BEGINNING WATER IN STORAGE 2024 (AF)								
Total Kern Water Bank <sup>4</sup>	-	4,242	-	-	-	-	-	4,242
Total MWD System	12,033	-	-	-	-	-	43	12,076
Total Kern County	12,023	15,098	10,113	193	3,032	-	748	41,207
Total DRWD 1-for-1 Long Term Exchange Credit <sup>5</sup>	7,306	-	-	-	-	-	-	7,306
TOTAL STORED WATER (1/1/2024)	31,362	19,340	10,113	193	3,032	-	791	64,831
(RECOVERY) AND RECHARGE IN 2024 (AF)								
KWB Recovery for use on Jackson Ranch <sup>6</sup>	-	-	-	-	-	-	-	-
2024 SWP Allocation (40%)	297	-	-	-	-	-	297	594
DRWD 1-for-1 Long Term Exchange (Recharge)	1,882	-	-	-	-	-	-	1,882
TOTAL 2024 TRANSACTIONS	2,179	-	-	-	-	-	297	2,476
Total Kern Water Bank	-	4,242	-	-	-	-	-	4,242
Total MWD System	12,033	-	-	-	-	-	43	12,076
Total Kern County	14,202	15,098	10,113	193	3,032	-	1,045	43,683
Total DRWD 1-for-1 Long Term Exchange Credit	5,424	-	-	-	-	-	-	5,424
TOTAL STORED WATER (1/1/2025)	31,659	19,340	10,113	193	3,032	-	1,088	65,425
(RECOVERY) AND RECHARGE IN 2025 (AF)								
KWB Recovery for use on Jackson Ranch <sup>6</sup>	-	-	-	-	-	-	-	-
2025 SWP Allocation (50%)	-	-	-	-	-	-	-	-
Valley Water Long Term Exchange	-	-	-	-	-	-	-	-
Central Coast Short Term Exchange	-	-	-	-	-	-	-	-
DRWD 1-for-1 Long Term Exchange (Recharge) Est.	1,715	-	-	-	-	-	-	1,715
TOTAL ESTIMATED 2025 TRANSACTIONS	1,715	-	-	-	-	-	-	1,715
ESTIMATED WATER IN STORAGE 2025 (AF)								
Total Kern Water Bank	-	4,242	-	-	-	-	-	4,242
Total MWD System	12,033	-	-	-	-	-	43	12,076
Total Kern County	15,917	15,098	10,113	193	3,032	-	1,045	45,398
Total DRWD 1-for-1 Long Term Exchange Credit	3,709	-	-	-	-	-	-	3,709
TOTAL ESTIMATED STORED WATER TO DATE	31,659	19,340	10,113	193	3,032	-	1,088	65,425

**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.

MWD = Metropolitan Water District of Southern California.

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

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

<sup>3</sup> DRWD water will be returned by MWD or IRWD's Strand Ranch to IRWD's Jackson Ranch. MWD took delivery of IRWD's 2022 SWP allocation in June 2022. MWD will not take delivery of IRWD's 2023 SWP Allocation.

<sup>4</sup> 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. The 2022 beginning KWB balance was revised by DRWD based on KCWA 2021 end of year balances.

<sup>5</sup> 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.

<sup>6</sup>Water recovered from IRWD's Kern Water Bank account for use on Jackson Ranch.

<sup>7</sup> A portion of IRWD's 2023 SWP Deliveries from DRWD include 723 AF of Article 21, after losses, which was delivered to the Kern Water Bank.

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# Exhibit "D"

**TABLE 4**  
**Status of IRWD Purchase and Exchange Programs (AFTER LOSSES)**  
 May 5, 2025

PARTNER	EXCHANGE RATIO	YEAR EXECUTED	AGREEMENT TYPE	WATER TYPE	PARTNER WATER		IRWD WATER									
					PARTNER SHARE (AF)	PARTNER BALANCE (AF)	IRWD SHARE (AF)	IRWD BALANCE				EXPORTABILITY			SELLABLE (Y/N)	
								IN MWD SYSTEM (AF)	STORED IN KERN (AF)		OWED BY DUDLEY RIDGE WD	TOTAL (AF)	EXPORTABLE TO IRWD (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 <sup>4</sup>	2-for-1	2008	Short-Term	SWP Table A	277		250		250			250		250		Yes
Buena Vista Water Storage District <sup>1</sup>	2-for-1	2010	Pilot	Kern River	4,108		3,903									Yes
	2-for-1	2011	Long-Term	Kern River	29,336	8,088	27,869		10,772			10,772		10,772		
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 <sup>2</sup>	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	2,099	1,088	2,182	1,055	1,126			2,182	2,182		1,088	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 <sup>3</sup> (SWPAO #19001)	1-for-1	2017	Long-Term	SWP Table A	NA	NA	11,290		11,290			11,290	15,000			No
				Credit	NA	NA	3,710				3,710	3,710				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 <sup>1</sup>	2-for-1	2023	Short-Term	Kern River	2,025	2,025	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
				Total:	47,907	14,425	68,196	12,033	29,510	1,504	3,710	46,757	31,409	15,348	1,088	NA

<sup>1</sup> 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.

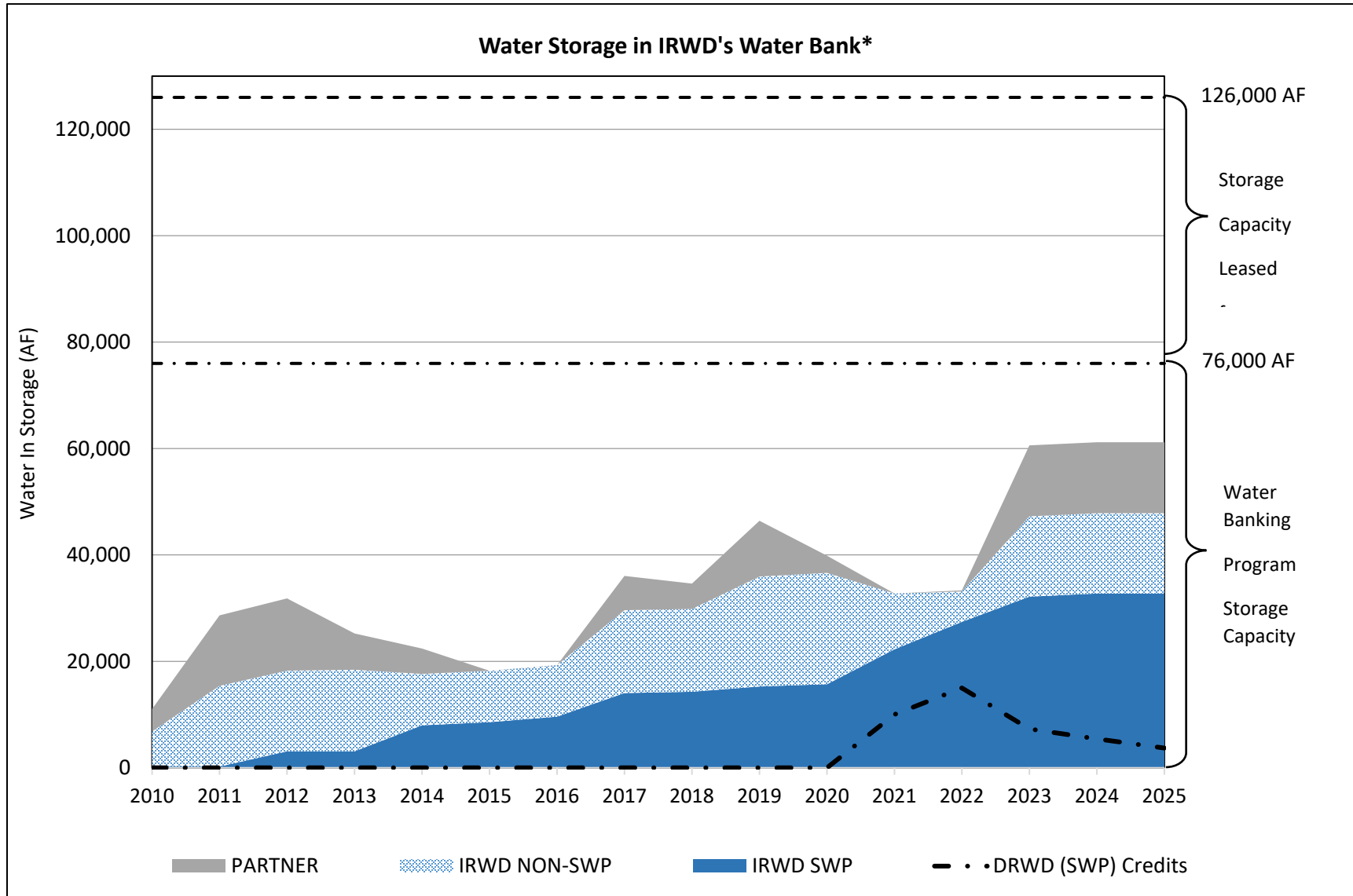
<sup>2</sup> Source of water was Buena Vista Water Storage District Kern River high flow water.

<sup>3</sup> To account for the SWP water that will be returned to IRWD, the amount of water owed is shown as a credit. The total net of losses is 15,000 AF.

<sup>4</sup> 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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**TABLE 5**  
**IRWD Dedicated Water Banking Capacities for Existing and Proposed Exchange Programs**  
 May 5, 2025

**STORAGE CAPACITY**

<b>Program</b>	<b>Dedicated Storage Capacity Strand Ranch (AF)</b>	<b>Dedicated Storage Capacity Stockdale West (AF)</b>	<b>Dedicated Storage Capacity Leased Storage Account (AF)</b>	<b>Kern Water Bank Storage Capacity (AF)</b>
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	-
<i>Proposed Programs:</i>				
Homer LLC	-	-	8,000	-
Total Dedicated	50,000	26,000	28,000	-
Total Remaining	-	-	22,000	9,495

**FIRST-PRIORITY RECHARGE CAPACITY**

<b>Program</b>	<b>Dedicated Recharge Capacity Strand Ranch (AF)</b>	<b>Dedicated Recharge Capacity Stockdale West (AF)</b>	<b>Dedicated Recharge Capacity Leased Storage Account (AF)</b>	<b>Kern Water Bank Recharge Capacity (AF)</b>
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**

<b>Program Partner</b>	<b>Dedicated Recovery Capacity Strand Ranch (AF)</b>	<b>Dedicated Recovery Capacity Stockdale West (AF)</b>	<b>Dedicated Recovery Capacity Leased Storage Account (AF)</b>	<b>Kern Water Bank Recovery Capacity (AF)</b>
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**

April 17, 2025

**SECOND-PRIORITY RECHARGE CAPACITY**

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

**SECOND-PRIORITY RECOVERY CAPACITY**

<b>Program Partner</b>	<b>Dedicated Recovery Capacity Strand Ranch and Stockdale West (AF)</b>	<b>Minimum Program Share for Second Priority <sup>1</sup></b>	<b>Minimum Available Recovery Capacity if not used by Existing Programs (AF)</b>	<b>Total Program Recovery Capacity (AF)</b>
Total Capacity	28,750		28,750	
First Priority Programs	28,750		-	2,750
Valley Water	-	40%	3,333	3,333
<i>Proposed Programs:</i>				
Homer LLC	-	16%	1,333	1,333
Total Dedicated	28,750	56%	4,666	
Total Remaining	-		24,084	

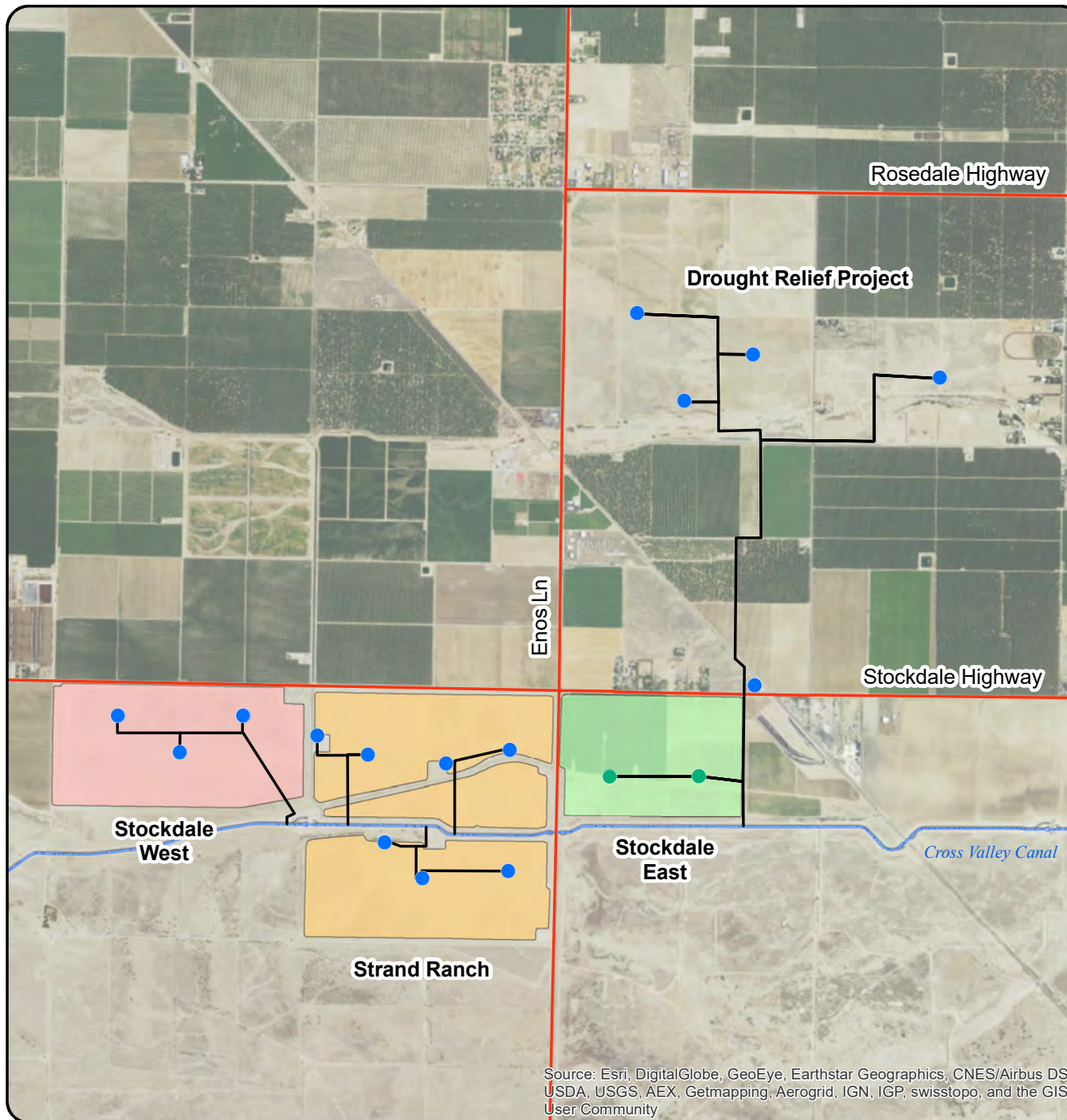
<sup>1</sup> Second-priority recharge and recovery capacity allocated to programs on a pro-rata share based on share of leased storage capacity.

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"

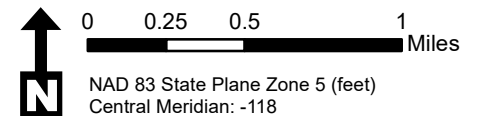


**Location Map:  
IRWD Water Banking Projects  
Wells and Turnin Pipelines**

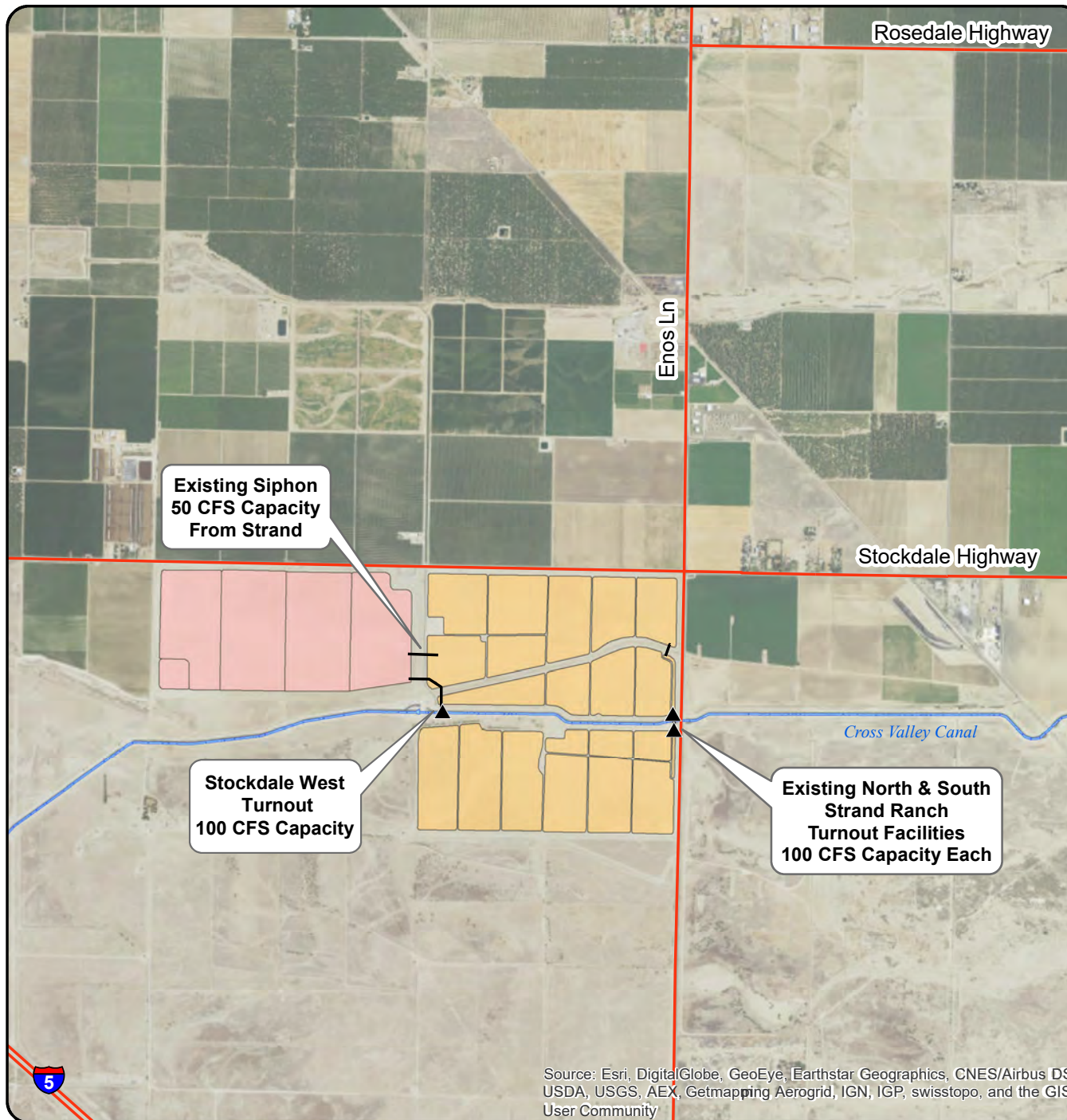
**MAP FEATURES**

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

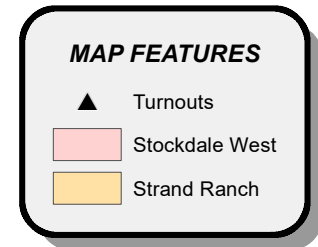
This figure shows the location of IRWD's water banking project sites and extraction wells.



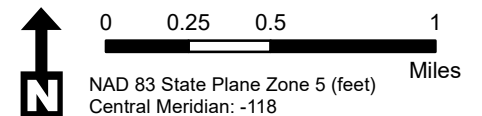
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**Location Map:  
IRWD Water Banking Projects  
Recharge Basins & Turnout  
Facilities**



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

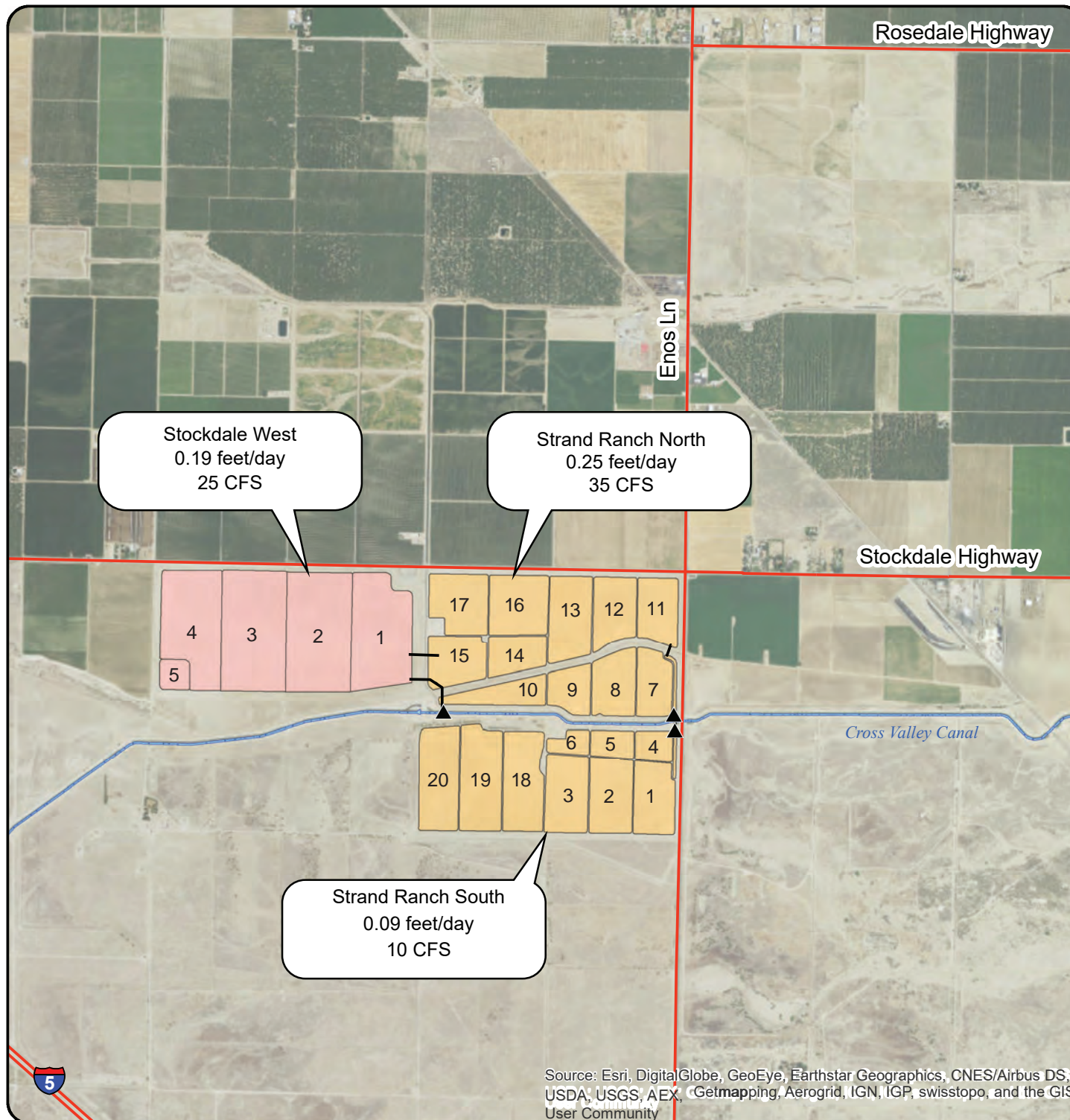


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# Location Map: IRWD Water Banking Projects Recharge Rates



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

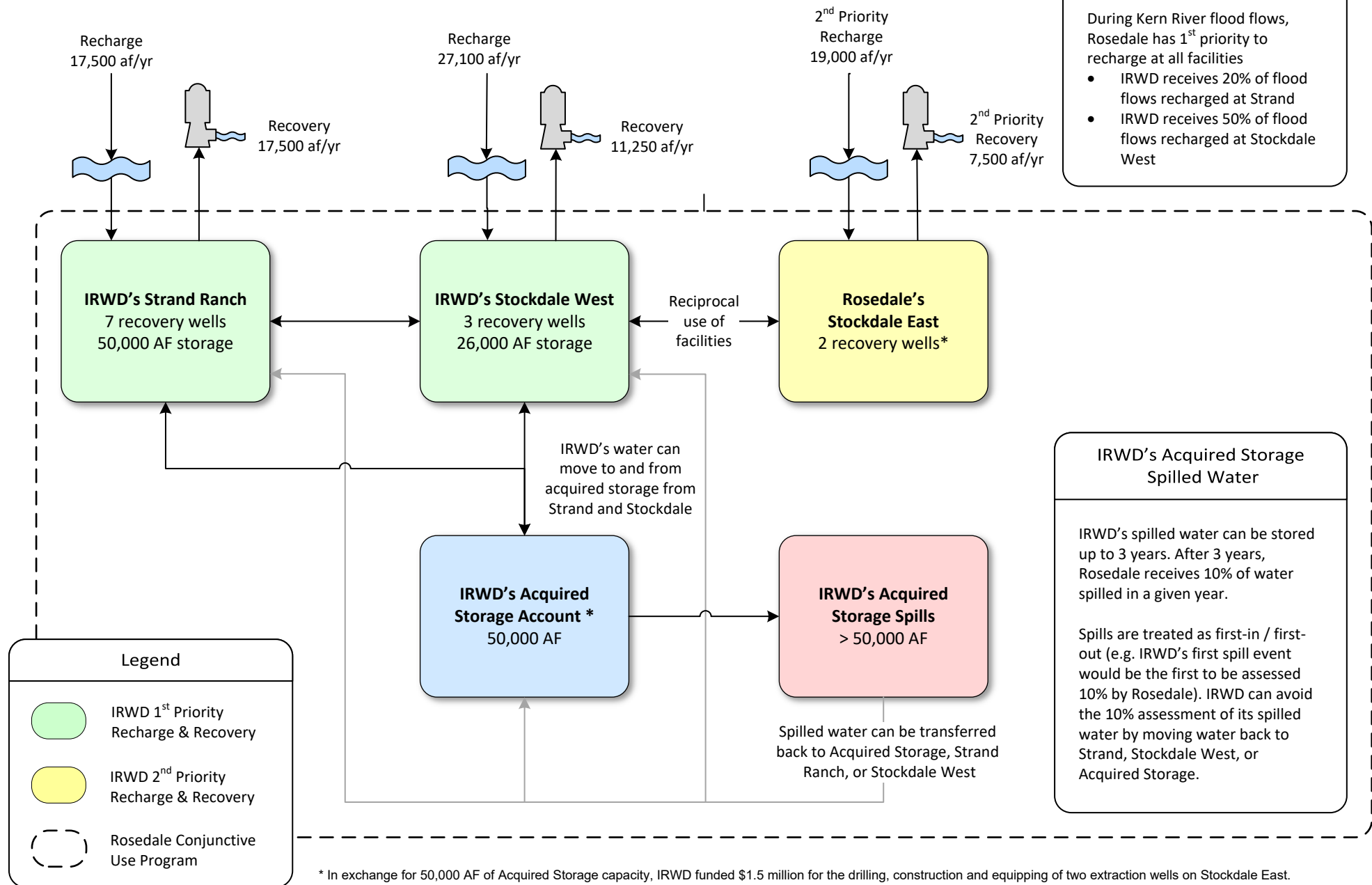
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**IRWD-Rosedale Water Banking and Exchange Program Agreements**

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

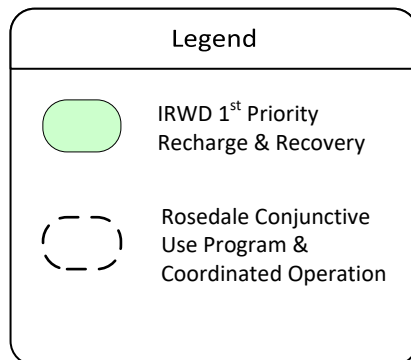
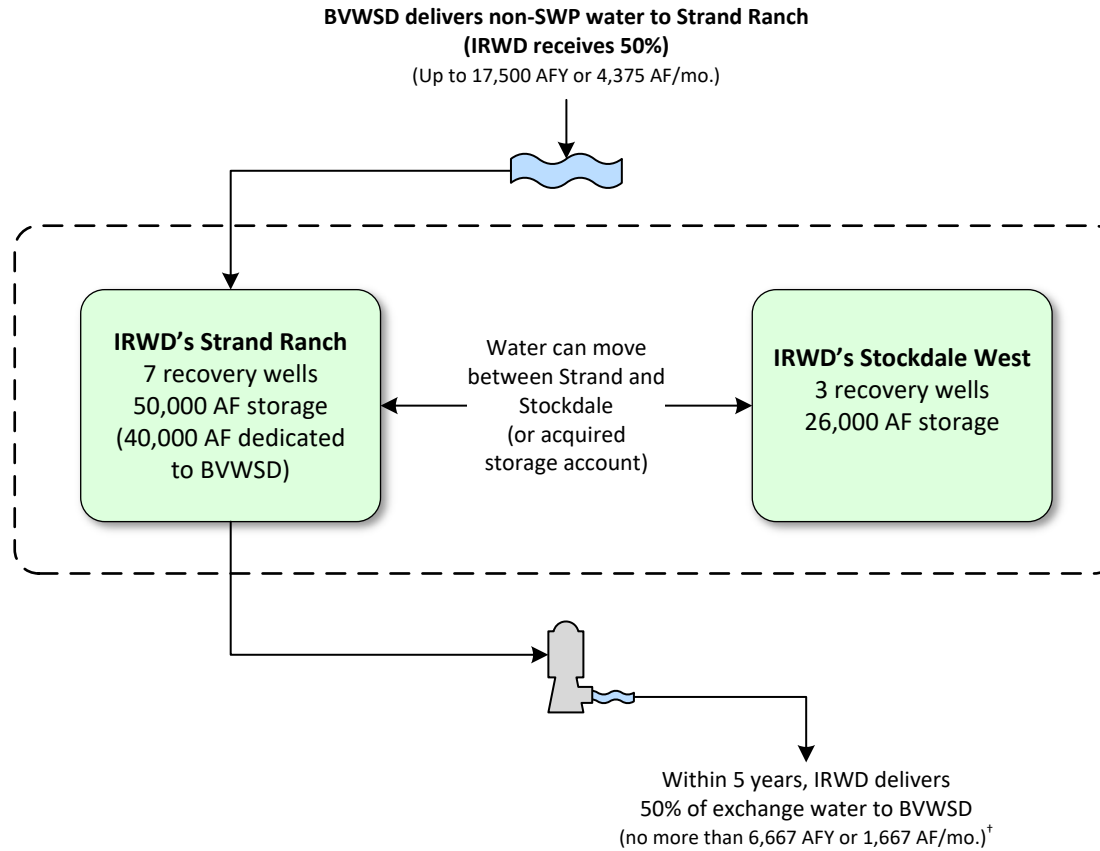
2/4/2016 through 1/12/2039 (Stockdale West)



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# Buena Vista Water Storage District Long Term Water Exchange Program

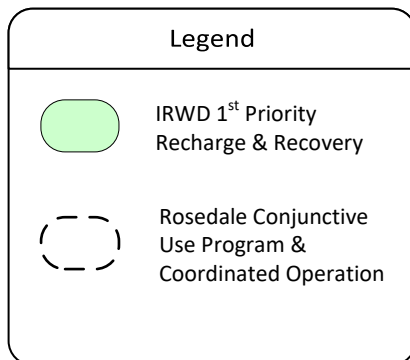
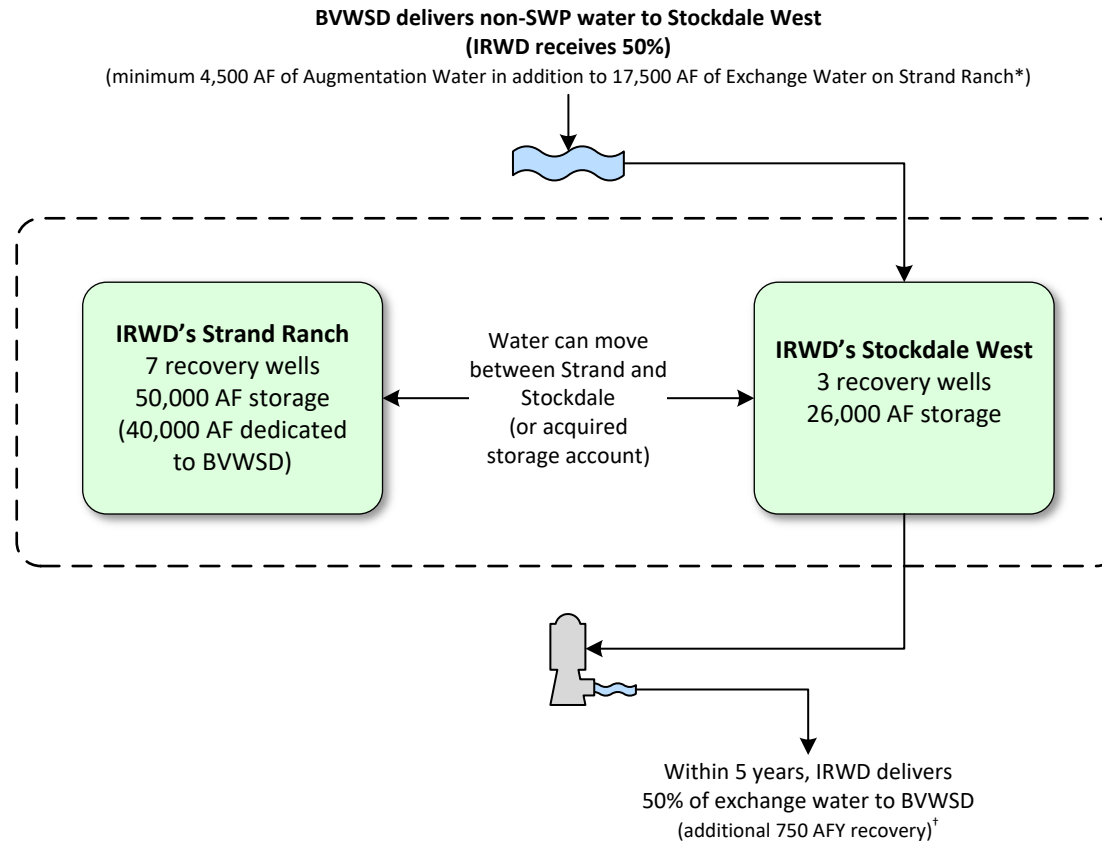
Effective 1/1/2011 through 1/12/2039



<sup>†</sup>IRWD shall remit one-half of the exchanged supply less one-half of reasonable losses back to BV no later than December 31<sup>st</sup> of the 4<sup>th</sup> 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 4<sup>th</sup> 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



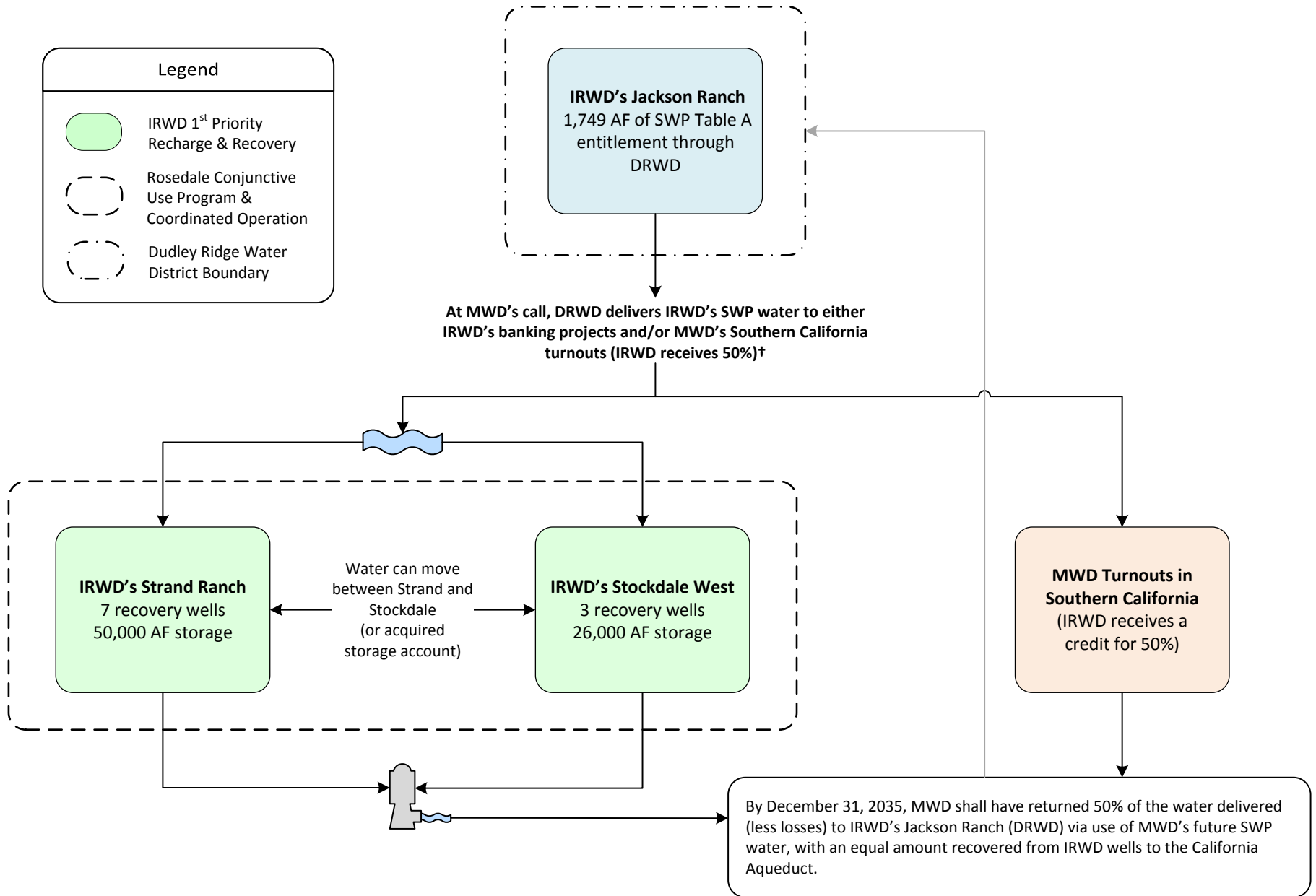
\* IRWD agrees to pay BV \$25 per AF for IRWD's share of the Augmentation Water and Exchange Water

<sup>†</sup>IRWD shall remit one-half of the exchanged supply less one-half of reasonable losses back to BV no later than December 31<sup>st</sup> of the 4<sup>th</sup> 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 4<sup>th</sup> 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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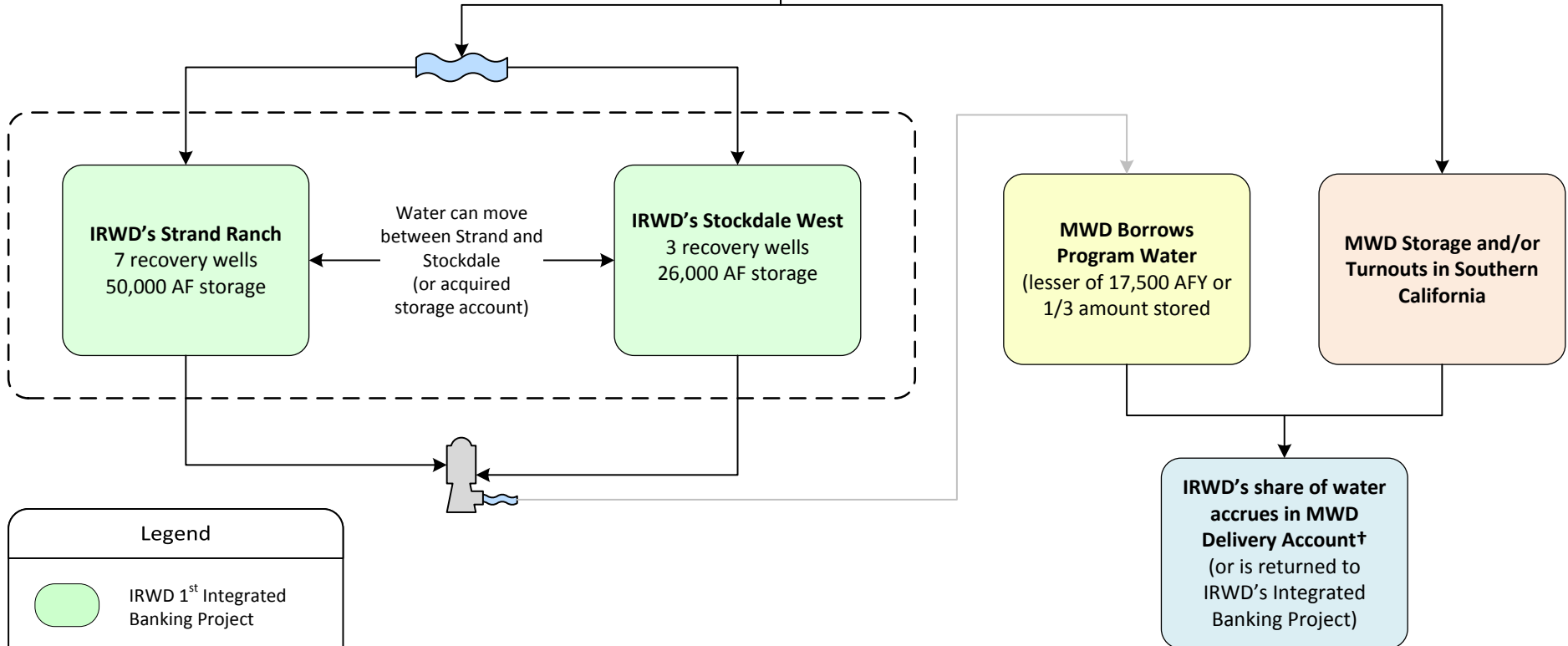
# Exhibit "M"

## 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



### Legend



IRWD 1<sup>st</sup> Integrated Banking Project



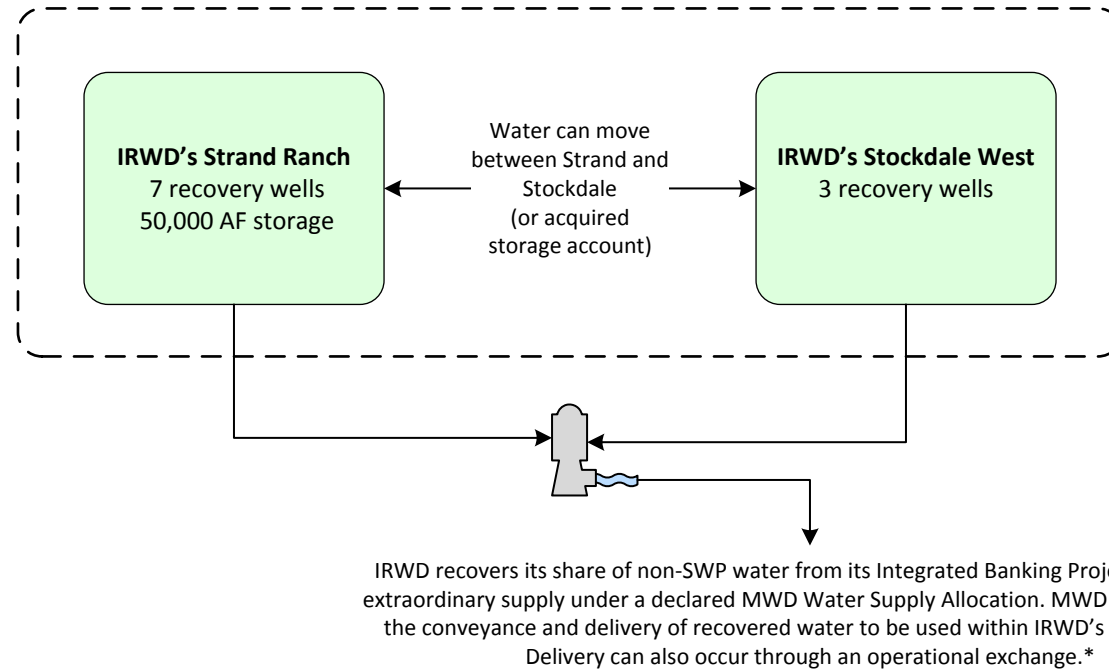
Rosedale Conjunctive Use Program & Coordinated Operation



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



Legend	
	IRWD 1 <sup>st</sup> Priority Recharge & Recovery
	Rosedale Conjunctive Use Program & Coordinated Operation

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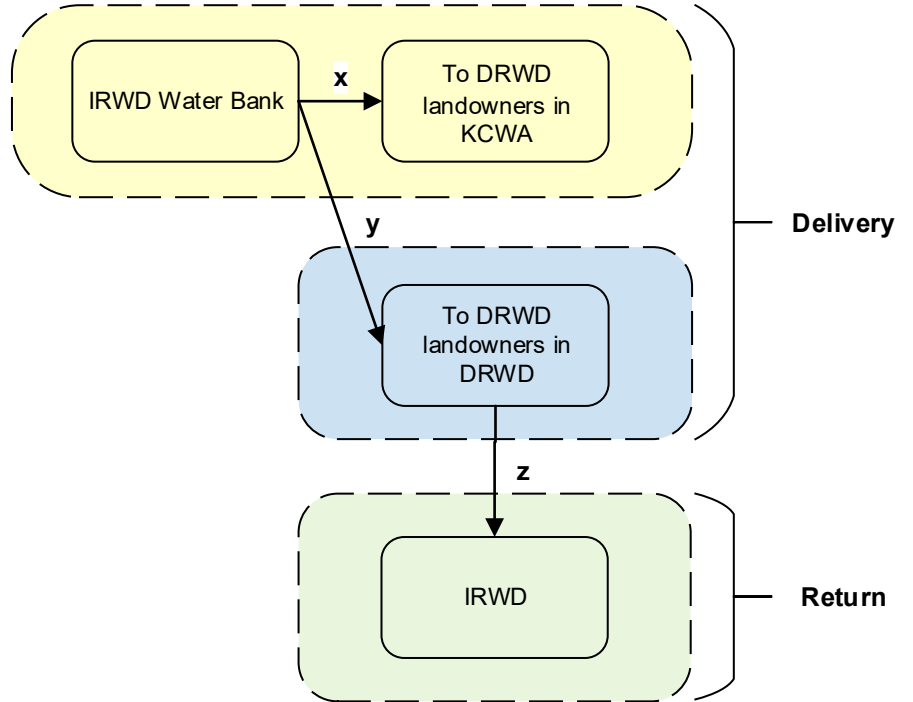
Exhibit "O"  
**Dudley Ridge Water District Long Term 1-for-1 Water Exchange Program**  
 Effective 5/31/2017 through 11/4/2035

**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

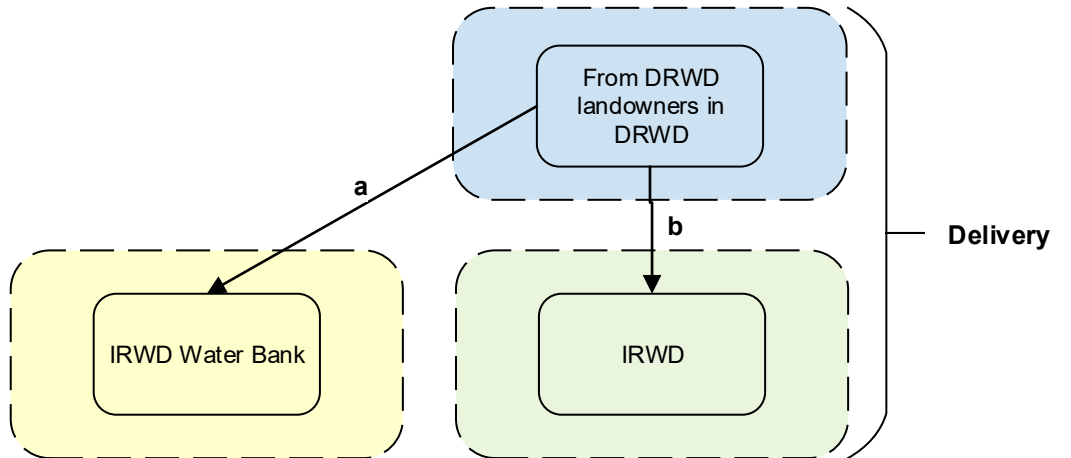
Per Section 4.1.3, z can be delivered to IRWD via in-ground transfer to IRWD, SWP delivery to IRWD banking facilities, or SWP delivery to MWDSC



**Scenario B**

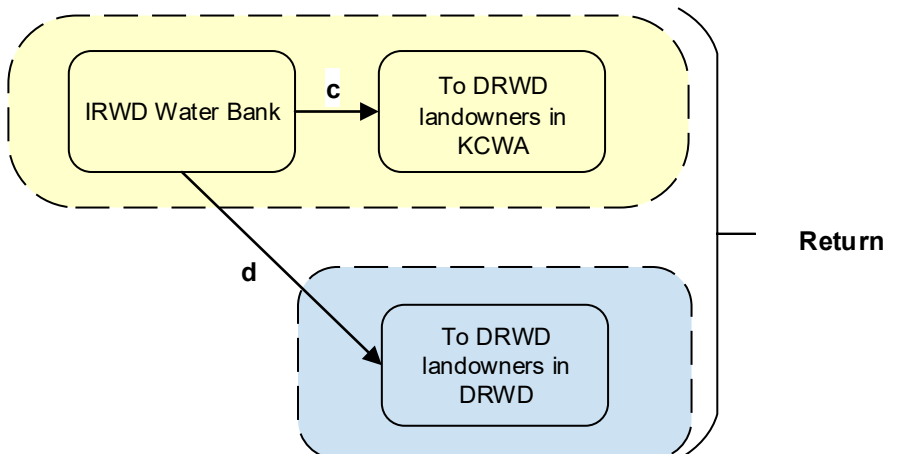
(Per Sections 2, 3, and 4.1.2)

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



**Legend**

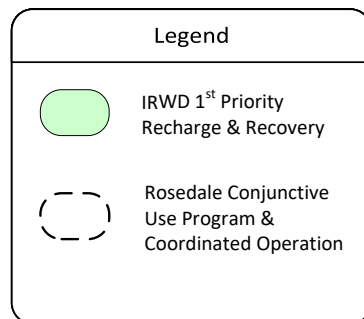
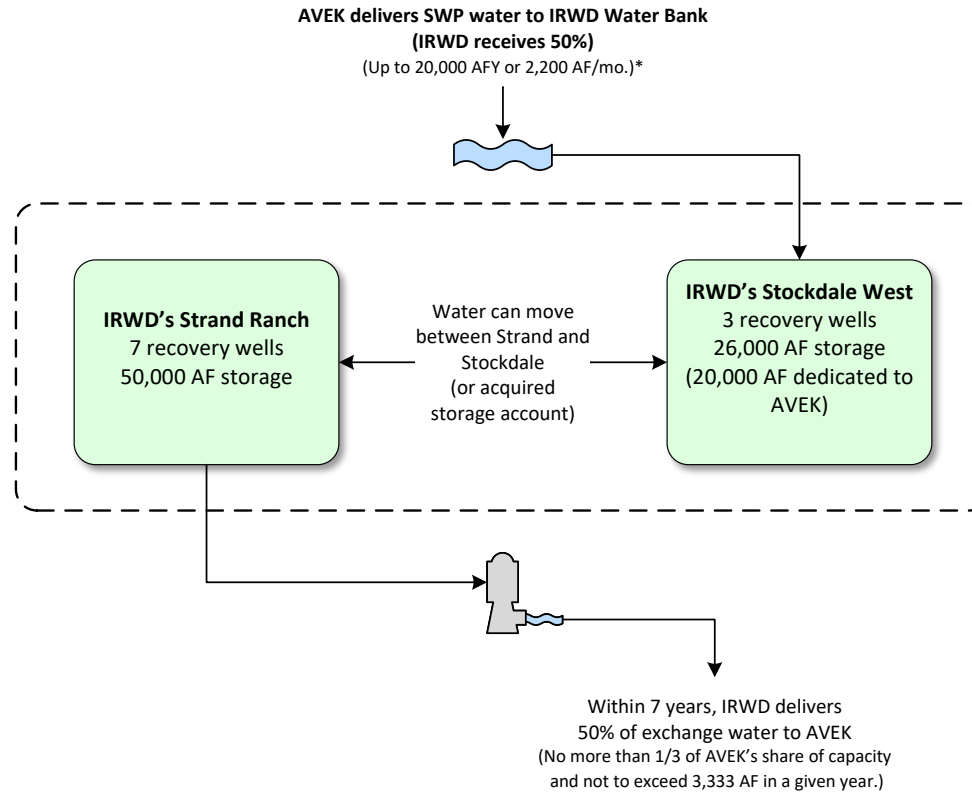
- KCWA Service Area
- DRWD Service Area
- IRWD Service Area



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

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

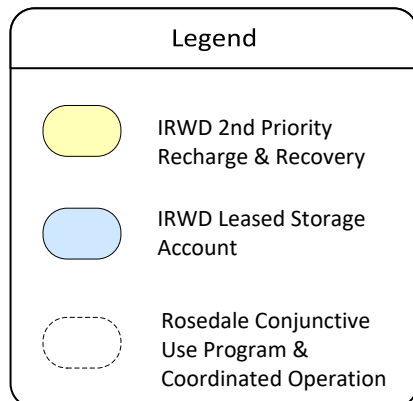
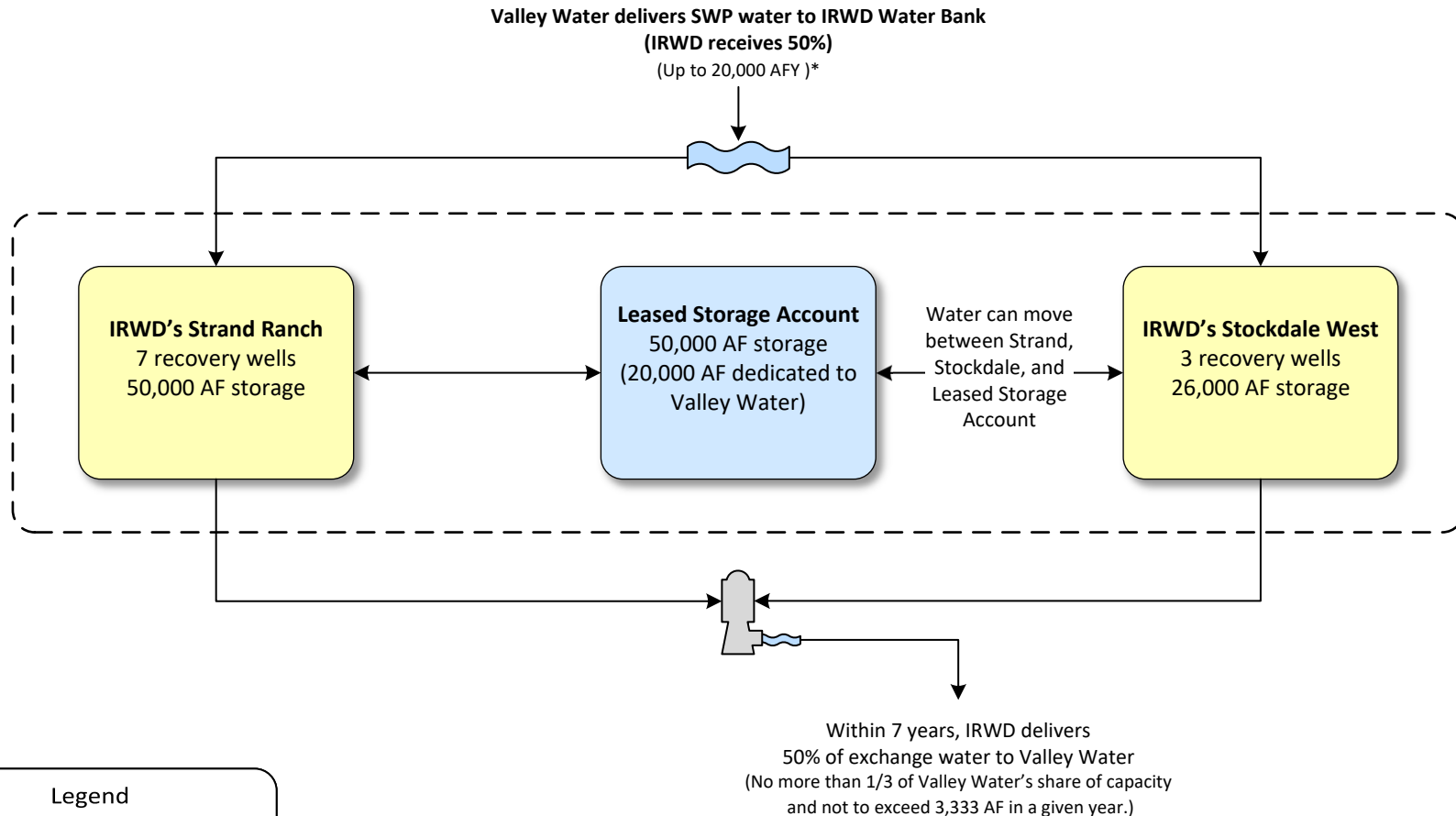


\*Up to 20,000 AF per year of AVEK Exchange Water may be delivered to IRWD for recharge using recharge facilities at the Strand Ranch and Stockdale West for storage in the Stockdale West Bank. IRWD shall remit one-half of stored supplies less one half of losses back to AVEK no later than December 31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

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Exhibit "R"

**TABLE 6**  
**Cost of Water Exportable to IRWD Service Area**

May 5, 2025

Program Partner	Agreement	Water Type	IRWD Exportable Water Stored in Kern County <sup>1,4</sup> (AF)	Cost of Water (\$/AF) <sup>5</sup>	Estimated Recovery of Water <sup>2</sup> (\$/AF)	2025 MWD Tier 1 Untreated Rate and SAC Surcharge <sup>3</sup> (\$/AF)	Total Cost of Water to IRWD Service Area (\$/AF)
Carpinteria	2008 Short Term	Table A	250	\$223	\$130	\$ 913	\$1,266
	2011 Short Term	Table A	-	\$219	\$130	\$ 913	\$1,262
Buena Vista	2010 Short Term	Kern River	-	\$225	\$130	\$ 913	\$1,268
	2011 Long Term	Kern River	10,772	\$230	\$130	\$ 913	\$1,273
AVEK	2011 Short Term	Table A	-	\$220	\$130	\$ 913	\$1,263
	2023 Short Term	Table A	3,032	<i>Pending</i>	\$130	\$ 913	<i>Pending</i>
Metropolitan	2014 Short Term	Table A	-	\$227	\$130	\$ 913	\$1,270
Central Coast	2017 Short Term	Table A	-	\$249	\$130	\$ 913	\$1,292
	2019 Short Term	Table A	25	\$239	\$130	\$ 913	\$1,282
	2023 Short Term	Table A	193	<i>Pending</i>	\$130	\$ 913	<i>Pending</i>
DRWD	2013 Long Term	Table A, Article 21	0	\$630	\$130	\$ 913	\$1,673
	2018 Long Term	Table A	1,127				
<b>Total</b>			<b>15,398</b>				

<sup>1</sup> 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.

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

<sup>3</sup> 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.

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

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

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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 8, 2024)

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 (currently \$122/AF<sup>1</sup>).
6. IRWD pays Metropolitan's melded system power rate – currently \$182/AF, not DWR's current power costs of \$330/AF<sup>2</sup> (\$148/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 IRWD<sup>3</sup>.
9. IRWD pays Metropolitan's Full-Service Tier-1 Untreated Rate, which is currently \$903/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 \$332/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.

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<sup>1</sup> 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.

<sup>2</sup> Melded system and actual power costs were taken from Metropolitan's Fiscal Years 2022-23 and 2023-24 Biennial Budget Report and 2022 Cost of Service Study.

<sup>3</sup> 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.

Exhibit "T"

**TABLE 8**  
**IRWD 2025 Recharge Operations- BEFORE LOSSES**  
 May 5, 2025

**Actual and Forecasted Amounts:**

Month	IRWD Table A (AF)	DRWD 1:1 (AF)	MWD <sup>1</sup> (AF)	Homer (AF)	Valley Water (AF)	Total (AF)	Status	Expected Recharge <sup>2</sup> (AF)	Expected Recharge Rate (CFS)
January	-	2,000	-	-	-	2,000	prelim	2,000	130
February	-	-	-	-	-	-	prelim	-	120
March	-	-	-	-	-	-	prelim	-	100
April	-	-	-	-	-	-	prelim	-	80
May	-	-	-	-	-	-	prelim	-	80
	-	2,000	-	-	-	2,000	-	-	
June	-	-	-	1,854	-	1,854		1,854	80
July	-	-	-	-	2,000	2,000		2,000	80
August	-	-	-	-	-	-		-	80
September	-	-	-	-	-	-		-	80
October	-	-	-	-	-	-		-	80
November	875	-	79	-	-	954		954	80
December	-	-	-	-	-	-		-	80
Total	875	2,000	79	1,854	2,000	6,808		6,808	
Recharge goal:	875	5,330	79	1,854	2,000	10,138			

<sup>1</sup> In 2021 and 2022, MWD took direct delivery of IRWD's DRWD SWP Table A water. MWD will return 50% of the water to the IRWD Water Bank this year and the remaining 50% will be delivered to Jackson Ranch.


<sup>2</sup> The expected recharge is based on the expected recharge rate and remaining recharge capacity.

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May 5, 2025

Prepared by F. Sanchez

Submitted by: F. Sanchez/P. Weghorst

Approved by: Paul A. Cook 

## SUPPLY RELIABILITY PROGRAMS COMMITTEE

### KERN FAN GROUNDWATER STORAGE PROJECT UPDATE

#### SUMMARY:

The Groundwater Banking Joint Powers Authority (GBJPA) is planning, designing, and constructing the Kern Fan Groundwater Storage Project. Construction is in progress on new recharge and recovery facilities at properties already secured for the project. IRWD and Rosedale Rio-Bravo Water Storage District are planning a separate phase of the project, referred to as the South Valley Project. This separate project would include maximizing use of existing recharge facilities, construction of additional recharge basins and recovery wells, as well as construction of a turnout and new conveyance infrastructure from the California Aqueduct. At the meeting, staff will present an update on ongoing construction of the Kern Fan Project, conceptual designs for the South Valley Project, preliminary costs, an estimated schedule, and the pursuit of additional grant funding from both the State of California and the Bureau of Reclamation.

#### BACKGROUND:

The Kern Fan Project is being planned, designed, and constructed in phases. The GBJPA is constructing the initial water banking facilities on approximately 350 acres of previously acquired land known as the West Enos and North Stockdale properties. Ongoing work includes the construction of recharge basins, recovery facilities, pipelines, and interconnections to existing IRWD and Rosedale water banking facilities.

The South Valley Project is an independent project that would be developed and constructed by IRWD and Rosedale. The project would provide 26,000 acre-feet of storage, maximize use of existing recharge basins, and construct 300 acres of new recharge facilities, three new recovery wells, and a turnout and new conveyance facilities from the California Aqueduct. Upon completion, the South Valley Project would be integrated with the operations of the Kern Fan Project. A conceptual Location Map for the South Valley Project is provided as Exhibit "A". The integration of the South Valley Project into the Kern Fan Project is anticipated to be complete and fully operational by 2030.

At the Committee meeting, staff will provide an update on ongoing construction work at the West Enos and North Stockdale properties. Staff will also present an overview of the proposed South Valley Project facilities, preliminary costs and an estimated schedule.

#### Water Storage Investment Program Funding:

The California Water Quality, Supply, and Infrastructure Improvement Act of 2014, also known as Proposition 1, provides \$2.7 billion for Water Storage Investment Program (WSIP) projects that will provide public and ecosystem benefits. The California Water Commission (CWC),

which is administering the WSIP grant funding, has conditionally awarded \$89.1 million to the Kern Fan Project. The recent withdrawal of the Los Vaqueros Reservoir Project from the WSIP, in addition to the passage of Proposition 4, could result in an additional \$22 million in WSIP funding being made available to the Kern Fan Project. The award of these additional funds would be subject to demonstrated progress on the Kern Fan Project and future deliberations of the CWC.

#### Bureau of Reclamation Funding:

The Kern Fan Project has previously been awarded \$8.6 million through two rounds of federal funding from Reclamation's Small Surface Water and Groundwater Storage Program. These grant funds were awarded for the construction of the West Enos and North Stockdale facilities. Any new federal funding would need to be for separate and distinct facilities, such as the South Valley Project.

Reclamation is expected to release a new grant funding opportunity later this year that could provide up to \$10 million in additional federal funding for the South Valley Project. In preparation for this opportunity, IRWD and Rosedale jointly prepared and submitted to Reclamation a feasibility study for the South Valley Project. The study was submitted in November 2024. Approval of the feasibility study by Reclamation would be an eligibility requirement for new federal funding.

Recently, Reclamation provided IRWD and Rosedale comments on the draft feasibility study. Staff is working to address the comments and submit a revised feasibility study later this summer. At the Committee meeting, staff will provide an update on the Feasibility Study.

#### FISCAL IMPACTS:

The CWC has awarded conditional funding to the Kern Fan Project for an amount of \$89.1 million, which could be increased by an additional \$22 million. The Kern Fan Project also has been awarded \$8.6 million from Reclamation. IRWD and Rosedale are finalizing a feasibility study in pursuit of up to \$10 million in additional federal funding for the South Valley Project. IRWD and Rosedale will fund the remaining cost of the Kern Fan and South Valley Projects.

#### ENVIRONMENTAL COMPLIANCE:

An Environmental Impact Report (EIR) for the Kern Fan Groundwater Storage Project was prepared, certified, and approved in compliance with California Environmental Quality Act (CEQA) of 1970 (as amended), codified at California Public Resources Code Sections 21000 et. seq., and the State CEQA Guidelines in the Code of Regulations, Title 14, Division 6, Chapter 3. The Groundwater Banking Joint Powers Authority, as lead agency, filed a Notice of Determination for the Kern Fan Groundwater Storage Project with the County of Kern. Rosedale, as a responsible agency, filed a Notice of Determination with the County of Kern. IRWD, as a responsible agency, filed Notices of Determination with the County of Orange and with the County of Kern. A new EIR will be required for the construction and integration of the operation of the South Valley Project into the Kern Fan Project.



RECOMMENDATION:

Receive and file.

LIST OF EXHIBITS:

Exhibit “A” – South Valley Project Location Map

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