

AGENDA  
 IRVINE RANCH WATER DISTRICT  
 SUPPLY RELIABILITY PROGRAMS COMMITTEE  
 THURSDAY, SEPTEMBER 16, 2021

*This meeting will be held in person, but due to COVID-19, this meeting will also be conducted as a teleconference pursuant to the provisions of the Governor’s Executive Orders N-25-20 and N-29-20, which suspend certain requirements of the Ralph M. Brown Act.*

This meeting will be held in person at the District’s headquarters located at 15600 Sand Canyon Avenue, Irvine, California, but participation by members of the Committee may be from remote locations. Members of the public may attend in person or remotely.

Virtual attendees can attend the meeting via Webex and may submit comments via the “Chat” function. To virtually attend the meeting, please join online via Webex using the link and information below:

Via Web: <https://irwd.webex.com/irwd/j.php?MTID=ma450dc5b2e1da5552f4eb0df2df8c2be>  
 Meeting Number: 146 995 0796  
 Password: j3A3hrJ7HdZ

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

CALL TO ORDER 3:00 p.m.

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

ALSO PRESENT

Paul Cook _____	Paul Weghorst _____
Rob Jacobson _____	Fiona Sanchez _____
Kellie Welch _____	Christine Compton _____
Natalie Palacio _____	Jo Ann Corey _____
_____ _____	Marina Lindsay _____
_____ _____	_____ _____

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. You may also submit a public comment in advance of the meeting by emailing comments@irwd.com before 9:00 a.m. on Thursday, September 16, 2021.

*All votes shall be taken by a roll call vote if one or more Committee members participates remotely.*

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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. WATER BANKING PROJECT FACILITIES, CAPACITIES, OPERATIONS AND PROGRAMS – PALACIO / WELCH / SANCHEZ / WEGHORST

Recommendation: Receive and file.

6. SITES RESERVOIR PROJECT PRELIMINARY WATER COSTS, WATER RIGHTS AND FINANCING ACTION – WELCH / SANCHEZ / WEGHORST

Recommendation: Receive and file.

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## ACTION

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7. PALO VERDE IRRIGATION DISTRICT 2021 ELECTION – WELCH / SANCHEZ / WEGHORST

Recommendation: That the Committee approve staff's recommendations for casting IRWD's votes in the September 21, 2021, Palo Verde Irrigation District Trustee election and provide consent to the General Manager's designee to cast IRWD's votes by proxy.

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## OTHER BUSINESS

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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](mailto: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.

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September 16, 2021  
Prepared by: N. Palacio / K. Welch  
Submitted by: F. Sanchez / P. Weghorst  
Approved by: Paul A. Cook *P.A.C.*

## 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 update on efforts to secure additional water for recharge and mutually beneficial exchanges at IRWD's water banking projects.

#### BACKGROUND:

To facilitate discussion with the Committee, staff has prepared reference materials in tabular, map and schematic formats to describe IRWD's water banking facilities, capacities, operations, storage and exchange programs. The 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.

#### 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 at the water banking projects, and Exhibit "C" provides after-loss estimates of water recharged at the projects. Both Exhibits "B" and "C" include a column that provides totals for each water type and storage location.

Changes shown in red on Exhibits "B" and "C" show the estimated recovery, through August 2021, of 9,058 acre-feet (AF) of IRWD's non-State Water Project (SWP) water delivered to Wonderful Orchards inside Kern County as part of the Dudley Ridge Water District Long-term 1-for-1 Water Exchange Program and an estimated recovery, through August 2021, of 2,429 AF of IRWD's Banked SWP Allocation water delivered to Dudley Ridge as part of a current Sales Agreement.

The Metropolitan Water District has informed staff that it will take delivery of half of IRWD's 70 AF 2021 SWP Allocation from Dudley Ridge. The remaining 35 AF will be delivered to Dudley Ridge to fulfill parts of the current Sales Agreement. There will be no losses taken on this water since it will not be banked in Kern County. The 2021 SWP Allocation amounts shown on Exhibit "C" have been adjusted from 30 AF to 35 AF to account for this.

A table presenting a summary of IRWD's water purchase and exchange programs is presented as Exhibit "D". The table lists each purchase and exchange program that 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 show the total amount of water included in 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's system, Kern County or owed to IRWD by Dudley Ridge. The table also provides details related to the exportability of IRWD's supplies. Changes shown in red on Exhibit "D" correspond with the changes made to Exhibits "B" and "C".

Exhibit "E" graphically depicts how storage of SWP and non-SWP water has changed in the Strand and Stockdale Integrated Banking Projects through time. The table 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 provided as Exhibits "A", "B", "C", "D" and "F", as well as the figure provided as Exhibit "E", staff has prepared maps that depict project wells and 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. 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 and Metropolitan. These diagrams are provided as Exhibits "J", "K", "L", "M", "N" and "O", as described in the List of Exhibits.

#### Recharge and Exchange Opportunities:

IRWD has been pursuing additional opportunities to secure water for recharge as well as mutually beneficial exchanges. At the Committee meeting, staff will provide an update on proposed exchanges and programs with Dudley Ridge. Staff will also update the Committee on a recent request by Metropolitan to borrow water from IRWD pursuant to the Coordinated Operating and Exchange Agreement between IRWD, Metropolitan and Municipal Water District of Orange County that is depicted in Exhibit "M".

#### 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 Cross Valley Canal 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 and Diagram of One-year Program to Augment Recharge Using Stockdale West Recharge Facilities with Buena Vista

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

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# Exhibit "A"

**TABLE 1**  
**Current and Anticipated Water Banking Project**  
**Recharge, Storage and Recovery Capacities**  
**September 16, 2021**

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	WELLS PROPOSED OR UNDER CONST.	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>	ESTIMATED RECOVERY CAPACITY (APR. 2019 CONDITIONS) <sup>2</sup>	RECOVERY CAPACITY AS PLANNED	RECOVERY CAPACITY CURRENT CONDITIONS
Strand Ranch	Yes	7	-	50,000	17,500	-	17,500	-	40.0	40.0	-	-
Stockdale West	Yes	3	-	26,000	27,100	-	11,250	-	15.0	15.0	-	-
Stockdale East	No	-	2	-	-	19,000	-	7,500	-	-	10.0	-
IRWD Acquired Storage Account <sup>3</sup>	No	-	-	50,000	-	-	-	-	-	-	-	-
Drought Relief Project Wells <sup>3</sup>	No	3	-	-	-	-	-	-	15.0	15.0	-	-
Kern Water Bank Storage Account <sup>5</sup>	No	-	-	9,495	3,200	-	6,330	-	-	-	-	-
<b>TOTALS</b>		13	2	126,000	44,600	19,000	28,750	7,500	70.0	70.0	10.0	0.0
Partner Capacities <sup>4</sup>				38,000	22,300	9,500	10,850	0	35.5	25.0	-	-
IRWD 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	-	-
<b>TOTALS (AF)</b>									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	
<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> SUP-1, SWEX-2, and SREX-6 are currently down. <sup>3</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>4</sup> One half of storage capacity at Stockdale West and Strand Ranch will be allocated for partners. <sup>5</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. Not included in storage capacity, recharge, and recovery totals to match IRWD's Water Banking Policy Position Paper.												

# Exhibit "B"

TABLE 2

**IRWD's Water Banking Storage, Recharge and Recovery Operations - BEFORE LOSSES**

September 16, 2021

TRANSACTIONS	WATER BANKING ENTITY					TOTAL BY WATER TYPE AND STORAGE LOCATION
	IRWD		BUENA VISTA (BVWSD)	CENTRAL COAST (CCWA)	DUDLEY RIDGE WATER DISTRICT (DRWD) <sup>3</sup>	
	SWP <sup>1</sup>	NON-SWP <sup>2</sup>	NON-SWP	SWP	SWP	
<b>BEGINNING WATER IN STORAGE 2020 (AF)</b>						
Total Kern Water Bank (estimated)	-	4,683	-	-	-	4,683
Total MWD System <sup>4</sup>	8,027	-	-	-	296	8,322
Total Kern County	4,929	24,596	11,177	636	3,491	44,828
<b>TOTAL STORED WATER (1/1/2020)</b>	<b>12,955</b>	<b>29,279</b>	<b>11,177</b>	<b>636</b>	<b>3,786</b>	<b>57,833</b>
<b>(RECOVERY) AND RECHARGE IN 2020 (AF)</b>						
MWD Water to Jackson Ranch <sup>5</sup>	-	-	-	-	(96)	(96)
2020 SWP Allocation (20%) <sup>3</sup>	175	-	-	-	175	350
Kern River Water	-	-	(7,500)	-	-	(7,500)
SWP Table A	-	-	-	-	-	-
2017 Reserve Water	106	258	258	11	95	728
<b>TOTAL 2020 TRANSACTIONS</b>	<b>281</b>	<b>258</b>	<b>(7,242)</b>	<b>11</b>	<b>174</b>	<b>(6,518)</b>
Total Kern Water Bank	-	-	-	-	-	-
Total MWD System	8,027	-	-	-	200	8,226
Total Kern County	5,210	24,855	3,935	647	3,761	38,406
<b>TOTAL STORED WATER (1/1/2021)</b>	<b>13,236</b>	<b>24,855</b>	<b>3,935</b>	<b>647</b>	<b>3,960</b>	<b>46,632</b>
<b>(RECOVERY) AND RECHARGE IN 2021 (AF)</b>						
MWD Water to Jackson Ranch (estimated)	-	-	-	-	-	-
Kern Water Bank Deliveries	-	-	-	-	-	-
2021 SWP Allocation (5 %) <sup>3, 6</sup>	35	-	-	-	35	70
<b>Kern River Water (estimated)</b>	<b>-</b>	<b>(9,058)</b>	<b>(2,681)</b>	<b>-</b>	<b>-</b>	<b>(11,739)</b>
<b>SWP Water Sale to DRWD landowners (estimated)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(2,429)</b>	<b>-</b>
<b>DRWD 1-for-1 Long Term Exchange Credit (estimated)<sup>7</sup></b>	<b>9,058</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9,058</b>
<b>TOTAL ESTIMATED 2021 TRANSACTIONS</b>	<b>9,093</b>	<b>(9,058)</b>	<b>(2,681)</b>	<b>-</b>	<b>(2,394)</b>	<b>(2,611)</b>
<b>ESTIMATED WATER IN STORAGE 2021 (AF)</b>						
Total Kern Water Bank	-	-	-	-	-	-
Total MWD System	8,062	-	-	-	200	8,261
Total Kern County	5,210	15,797	1,254	647	1,367	24,273
Total DRWD 1-for-1 Long Term Exchange Credit	9,058	-	-	-	-	9,058
<b>TOTAL ESTIMATED STORED WATER TO DATE</b>	<b>22,329</b>	<b>15,797</b>	<b>1,254</b>	<b>647</b>	<b>1,566</b>	<b>41,592</b>

**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 2,842 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. IRWD's 2013-2016 SWP allocation amounts are stored in the MWD system. IRWD's 2017 through 2020 SWP allocation water is stored in Kern County. **Half of IRWD's 2021 SWP allocation will be stored in the MWD system, the other half will be delivered to DRWD as part of the SWP Water Sale to DRWD landowners**

<sup>4</sup> Beginning balance of water stored in MWD system includes: 4,000 AF from 2014 Exchange, 2,853 AF of 2014 borrowed SWP, 1,186 AF of IRWD's 2013-2016 SWP allocations through DRWD.

<sup>5</sup> Water returned to DRWD by MWD for use on IRWD's Jackson Ranch.

<sup>6</sup> 17 AF of IRWD's 2021 SWP Allocation was used to fulfill an obligation to Pastoria.

<sup>7</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. Of the 10,000 AF total, 6,841 AF was estimated for deliveries to Wonderful Orchards through July 2021.

# Exhibit "C"

TABLE 3

**IRWD's Water Banking Storage, Recharge and Recovery Operations - AFTER LOSSES**

September 16, 2021

TRANSACTIONS	WATER BANKING ENTITY					TOTAL BY WATER TYPE AND STORAGE LOCATION
	IRWD		BUENA VISTA (BVWSD)	CENTRAL COAST (CCWA)	DUDLEY RIDGE WATER DISTRICT (DRWD) <sup>3</sup>	
	SWP <sup>1</sup>	NON-SWP <sup>2</sup>	NON-SWP	SWP	SWP	
<b>BEGINNING WATER IN STORAGE 2020 (AF)</b>						
Total Kern Water Bank	-	4,215	-	-	-	4,215
Total MWD System <sup>4</sup>	8,027	-	-	-	296	8,322
Total Kern County	3,926	20,685	9,923	545	2,992	38,072
<b>TOTAL STORED WATER (1/1/2020)</b>	<b>11,953</b>	<b>24,900</b>	<b>9,923</b>	<b>545</b>	<b>3,288</b>	<b>50,609</b>
<b>(RECOVERY) AND RECHARGE IN 2020 (AF)</b>						
MWD Water to Jackson Ranch <sup>5</sup>	-	-	-	-	(96)	(96)
2020 SWP Allocation (20%) <sup>3</sup>	150	-	-	-	150	300
Kern River Water	-	-	(7,500)	-	-	(7,500)
SWP Table A	-	-	-	-	-	-
2017 Reserve Water	101	245	258	10	90	705
<b>TOTAL 2020 TRANSACTIONS</b>	<b>251</b>	<b>245</b>	<b>(7,242)</b>	<b>10</b>	<b>144</b>	<b>(6,591)</b>
Total Kern Water Bank	-	4,215	-	-	-	4,215
Total MWD System	8,027	-	-	-	200	8,226
Total Kern County	4,177	20,931	2,681	556	3,233	31,577
<b>TOTAL STORED WATER (1/1/2021)</b>	<b>12,204</b>	<b>25,145</b>	<b>2,681</b>	<b>556</b>	<b>3,432</b>	<b>44,018</b>
<b>(RECOVERY) AND RECHARGE IN 2021 (AF)</b>						
MWD Water to Jackson Ranch (estimated)	-	-	-	-	-	-
Kern Water Bank Deliveries	-	-	-	-	-	-
2021 SWP Allocation (5%) <sup>3, 7</sup>	35	-	-	-	35	70
Kern River Water (estimated)	-	(9,058)	(2,681)	-	-	(11,739)
SWP Water Sale to DRWD Landowners (estimated)	-	-	-	-	(2,429)	-
DRWD 1-for-1 Long Term Exchange Credit (estimated) <sup>8</sup>	9,058	-	-	-	-	9,058
<b>TOTAL ESTIMATED 2021 TRANSACTIONS<sup>6</sup></b>	<b>9,093</b>	<b>(9,058)</b>	<b>(2,681)</b>	<b>-</b>	<b>(2,394)</b>	<b>(2,611)</b>
<b>ESTIMATED WATER IN STORAGE 2021 (AF)</b>						
Total Kern Water Bank	-	4,215	-	-	-	4,215
Total MWD System	8,062	-	-	-	200	8,261
Total Kern County	4,177	11,873	0	556	839	17,444
Total DRWD 1-for-1 Long Term Exchange Credit	9,058	-	-	-	-	9,058
<b>TOTAL ESTIMATED STORED WATER TO DATE</b>	<b>21,297</b>	<b>16,087</b>	<b>0</b>	<b>556</b>	<b>1,038</b>	<b>38,978</b>

**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); KWB losses are 10%; 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 2,842 AF 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. IRWD's 2013-2016 SWP allocation amounts are stored in the MWD system. IRWD's 2017 through 2020 SWP allocation water is stored in Kern County. **Half of IRWD's 2021 SWP allocation will be stored in the MWD system, the other half will be delivered to DRWD as part of the SWP Water Sale to DRWD landowners, therefore no losses are taken on the water.**

<sup>4</sup> Beginning balance of water stored in MWD system includes 4,000 AF of 2014 Exchange, 2,853 AF of 2014 borrowed SWP, 1,186 AF of IRWD's 2013-2016 SWP allocations through DRWD.

<sup>5</sup> Water returned to DRWD by MWD for use on IRWD's Jackson Ranch.

<sup>6</sup> 2021 transactions may be adjusted for conveyance losses in CVC.

<sup>7</sup> 17 AF of IRWD's 2021 SWP Allocation was used to fulfill an obligation to Pastoria.

<sup>8</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. Of the 10,000 AF total, 6,841 AF was estimated for deliveries to Wonderful Orchards through July 2021.

# Exhibit "D"

## Status of IRWD Purchase and Exchange Programs (AFTER LOSSES)

September 16, 2021

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		2,842		2,842		2,842		Yes
Carpinteria Valley Water District	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	21,248		20,186		9,031		9,031		9,031		
Antelope Valley East Kern Water Agency	2-for-1	2011	Pilot	SWP Table A	2,229		2,337	2,229	108		2,337	2,337			No
Carpinteria Valley Water District	2-for-1	2011	Pilot	SWP Table A	624		655	624	31		655	655			No
Dudley Ridge Water District <sup>2</sup> (SWPAO #13012)	2-for-1	2013	SWPAO	SWP Table A	1,876	-	1,876	1,174	703		1,876	1,876			Yes
				SWP Article 21	1,553	26	1,554		1,554		1,554	1,554		26	Yes
Metropolitan Water District <sup>3</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	1,011	1,011	1,011	35	976		1,011	1,011		1,011	Yes
Central Coast Water Agency	2-for-1	2017	Short-Term	SWP Table A	258	258	258		258		258	258			No
Dudley Ridge Water District <sup>4</sup>	1-for-1	2017	Long-Term	SWP Table A						9,058	9,058	9,058			No
Central Coast Water Agency	2-for-1	2019	Short-Term	SWP Table A	298	298	298		298		298	298			No
<b>Total:</b>					<b>33,482</b>	<b>1,593</b>	<b>39,170</b>	<b>8,062</b>	<b>16,051</b>	<b>9,058</b>	<b>33,170</b>	<b>21,047</b>	<b>12,123</b>	<b>1,037</b>	

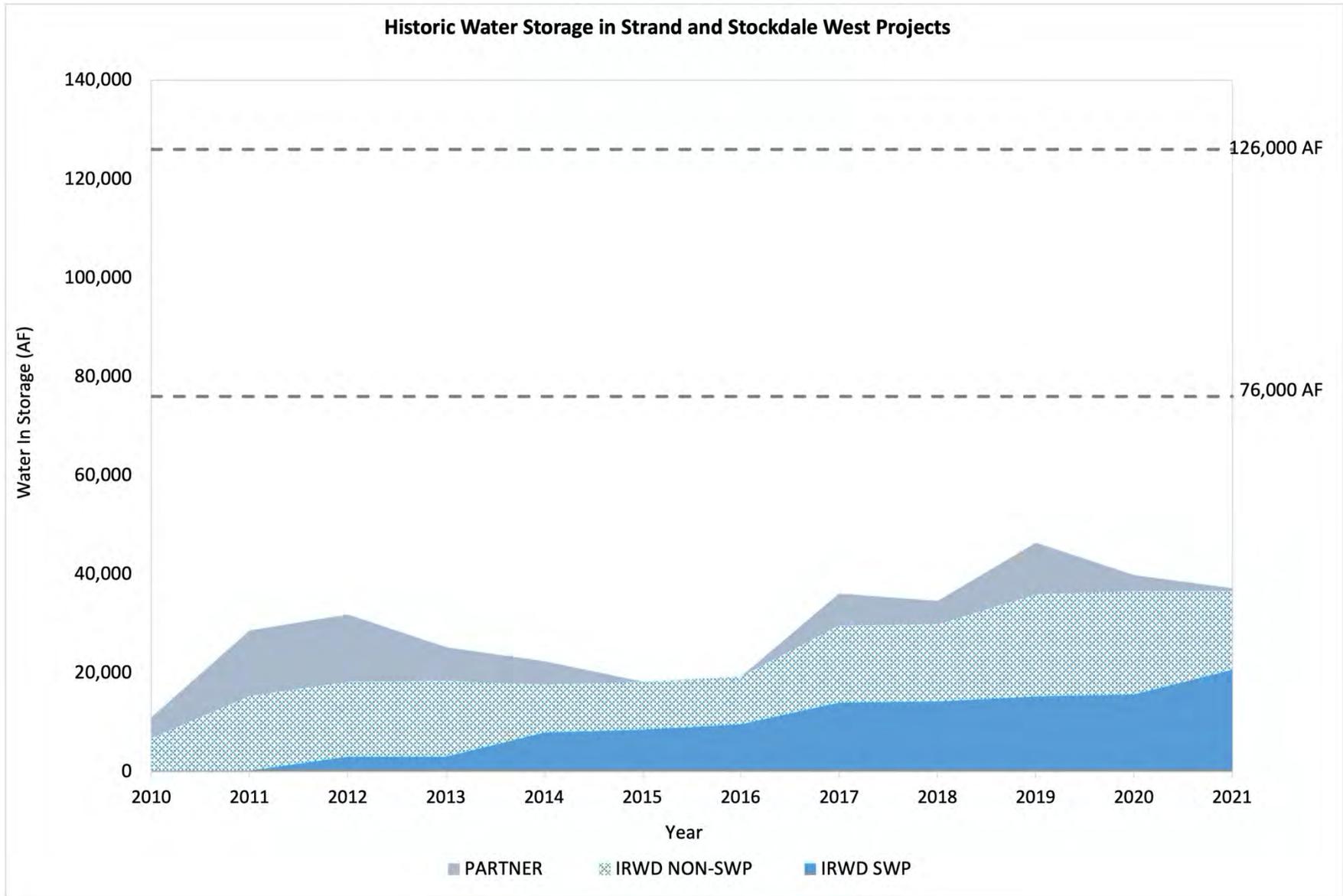
<sup>1</sup> Water acquired through BVWSD will be exportable after it is exchanged for SWP Table A through 1-for-1 exchange with Dudley Ridge Water District.

<sup>2</sup> Only the portion of water stored for use on Jackson Ranch in DRWD is sellable.

<sup>3</sup> Source of water was Buena Vista Water Storage District Kern River high flow water.

<sup>4</sup> Estimated amount of Table A to be returned to IRWD from Dudley Ridge Water District under the 1-for-1 exchange program.

# Exhibit "E"



\*After losses

# Exhibit "F"

**TABLE 5**  
**IRWD Dedicated Water Banking Capacities for**  
**Existing and Proposed Exchange Programs**  
**September 16, 2021**

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	-	-	-
DRWD	10,000	-	-	-
AVEK	-	20,000	-	-
CVWD	-	5,000	-	-
Total Dedicated	50,000	25,000	-	-
Total Remaining	-	1,000	50,000	9,495

### 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	-	-	-
DRWD	-	-	-	-
AVEK	-	20,000	-	-
CVWD	-	5,000	-	-
Total Dedicated	17,500	25,000	-	-
Total Remaining	-	2,100	-	3,200

### 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	-	6,330
BVWSD	6,667	-	-	-
DRWD	-	-	-	-
AVEK	-	3,333	-	-
CVWD	-	833	-	-
IRWD	10,833	7,084	-	6,330
Total Dedicated	17,500	11,250	-	6,330
Total Remaining	-	-	-	-

# Exhibit "G"

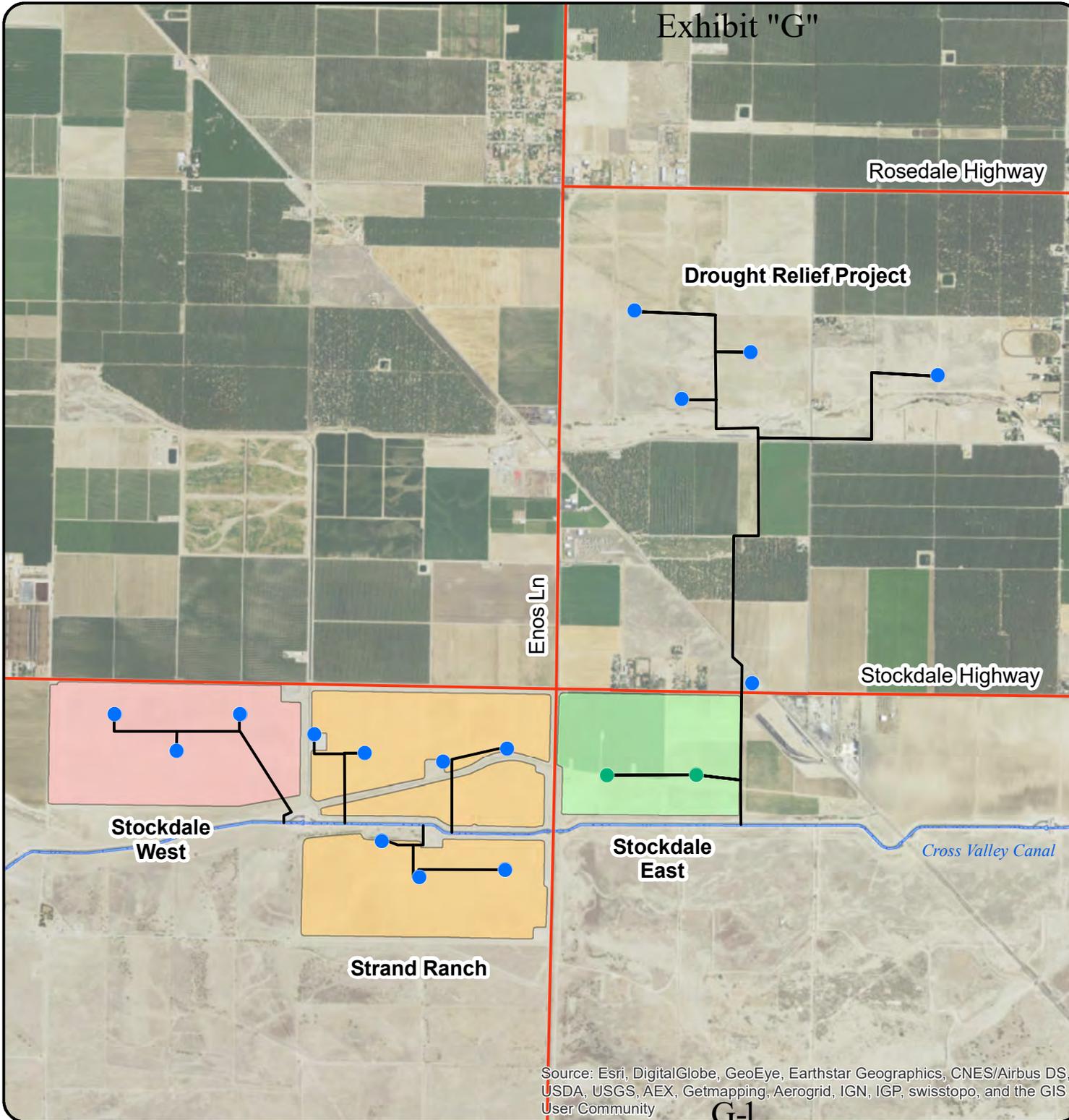


## Location Map: IRWD Water Banking Projects Wells and Turnin Pipelines

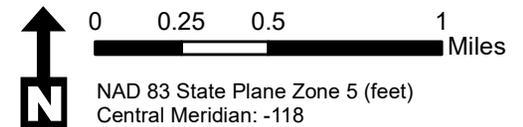
### MAP FEATURES

- 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.



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Irvine Ranch  
WATER DISTRICT

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

**MAP FEATURES**

-  Turnouts
-  Stockdale West
-  Strand Ranch

**Existing Siphon  
50 CFS Capacity  
From Strand**

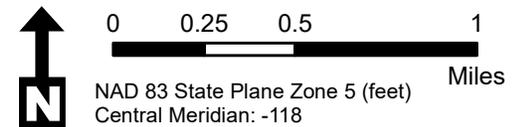
Stockdale Highway

**Stockdale West  
Turnout  
100 CFS Capacity**

**Existing North & South  
Strand Ranch  
Turnout Facilities  
100 CFS Capacity Each**

*Cross Valley Canal*

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



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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

#### MAP FEATURES

- ▲ Turnouts
- Stockdale West
- Strand Ranch

Stockdale West  
0.11 feet/day  
15 CFS

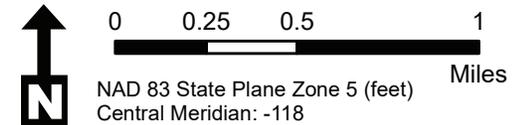
Strand Ranch North  
0... feet/day  
40 CFS

Strand Ranch South  
0.13 feet/day  
15 CFS

Stockdale Highway

Cross Valley Canal

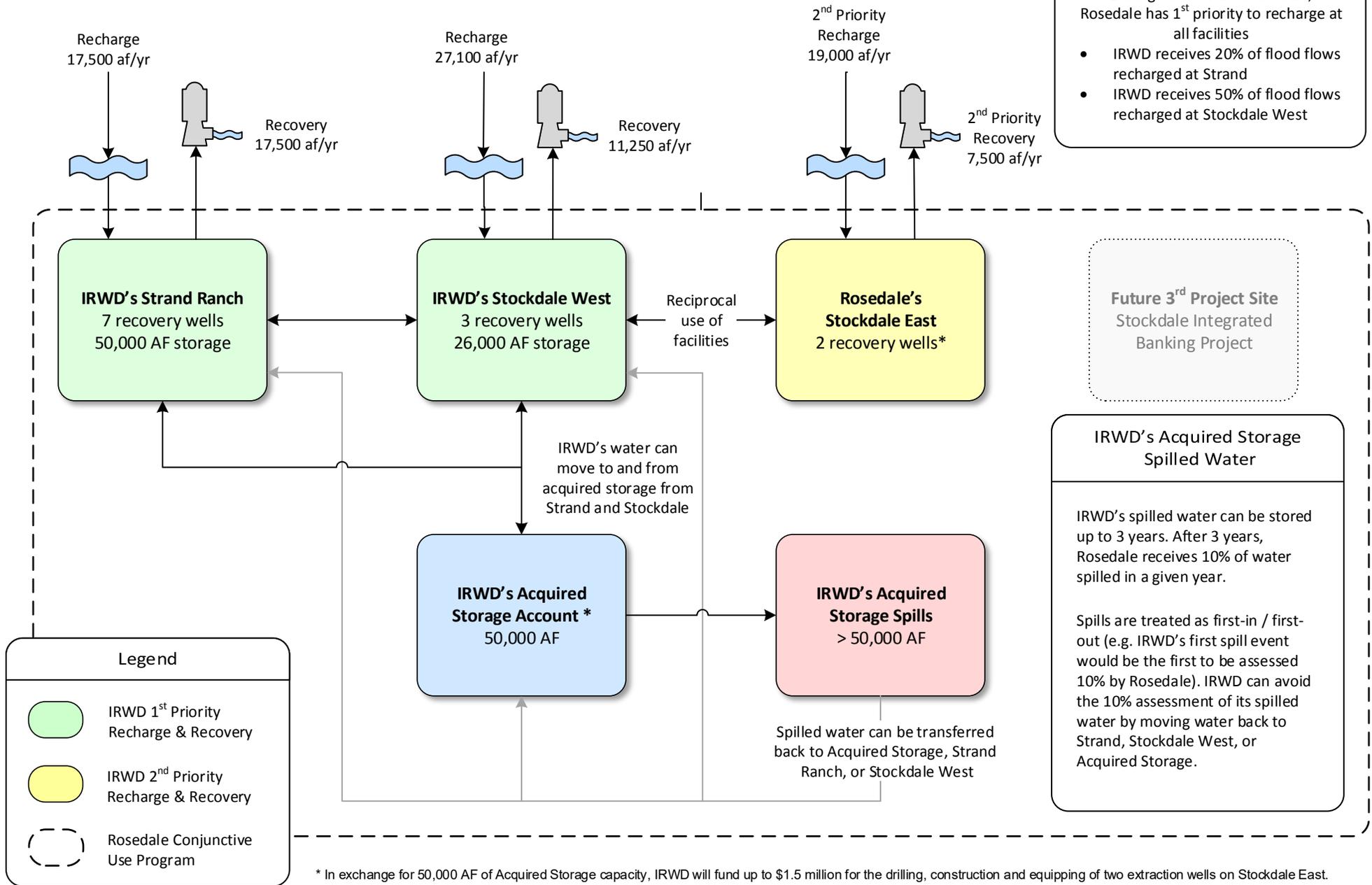
This figure shows the location of recharge basins and their associated recharge rates as of June 18, 2019.



# 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)

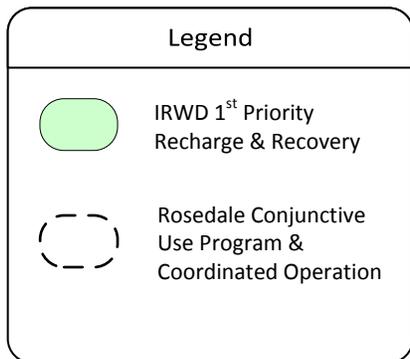
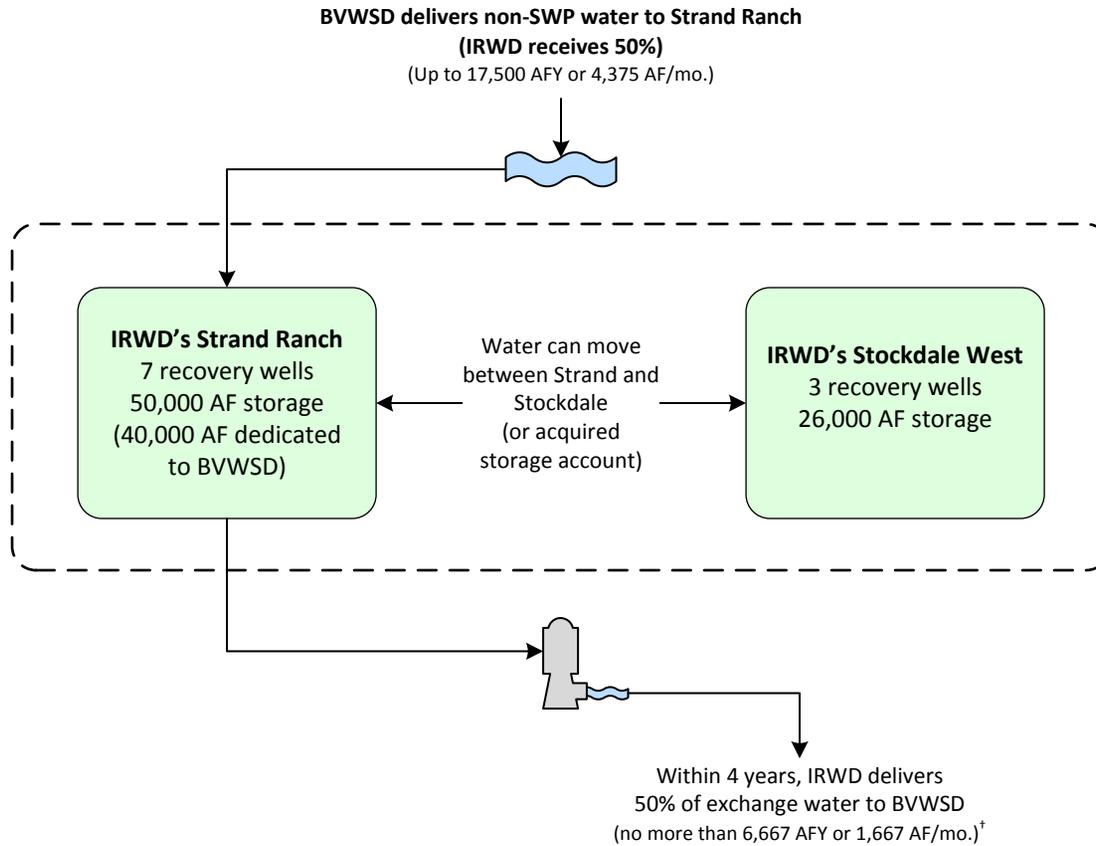


\* In exchange for 50,000 AF of Acquired Storage capacity, IRWD will fund up to \$1.5 million for the drilling, construction and equipping of two extraction wells on Stockdale East.

# Exhibit "K"

## Buena Vista Water Storage District Long Term Water Exchange Program

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

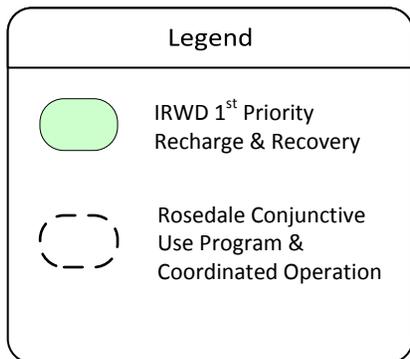
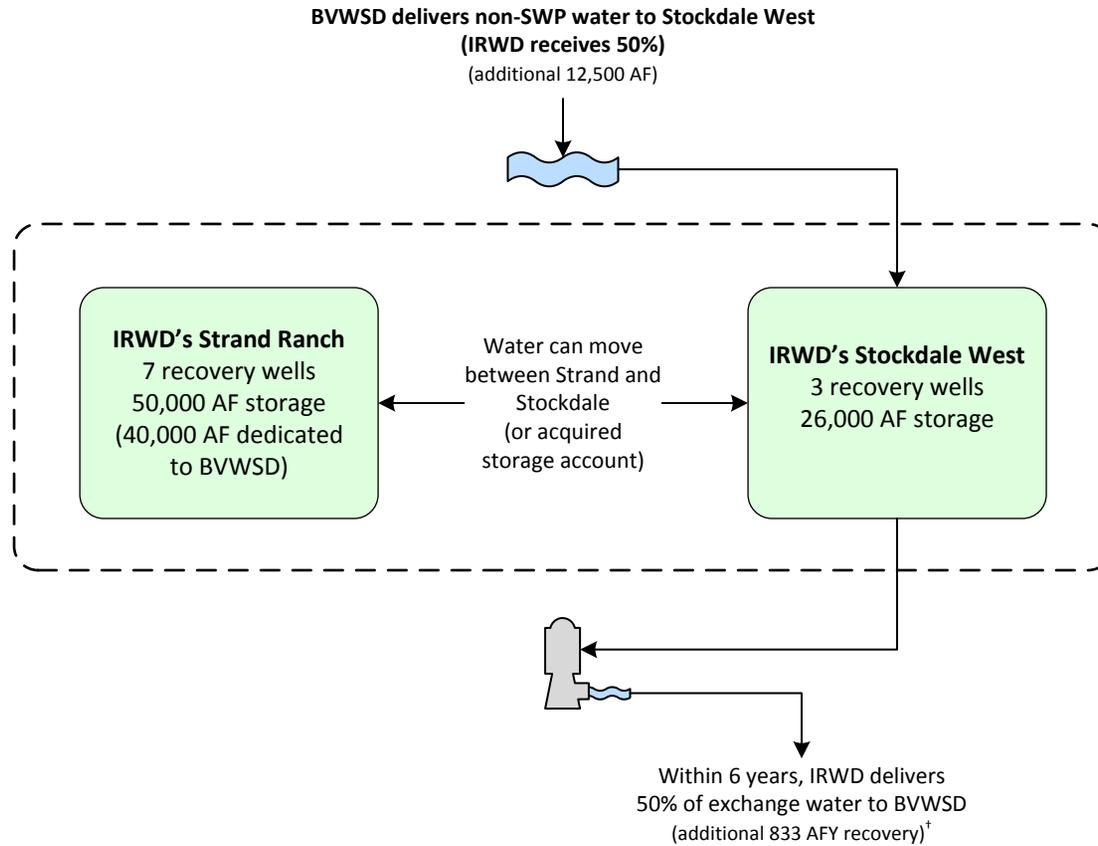


†IRWD shall remit one-half of the exchanged supply less one-half of reasonable losses back to BV no later than December 31<sup>st</sup> of the 4<sup>th</sup> year following the associated recharge event. IRWD pays for recovery of water returned to BV. Water to be remitted back to BV may remain in storage 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 4/1/2017 through 3/30/2018



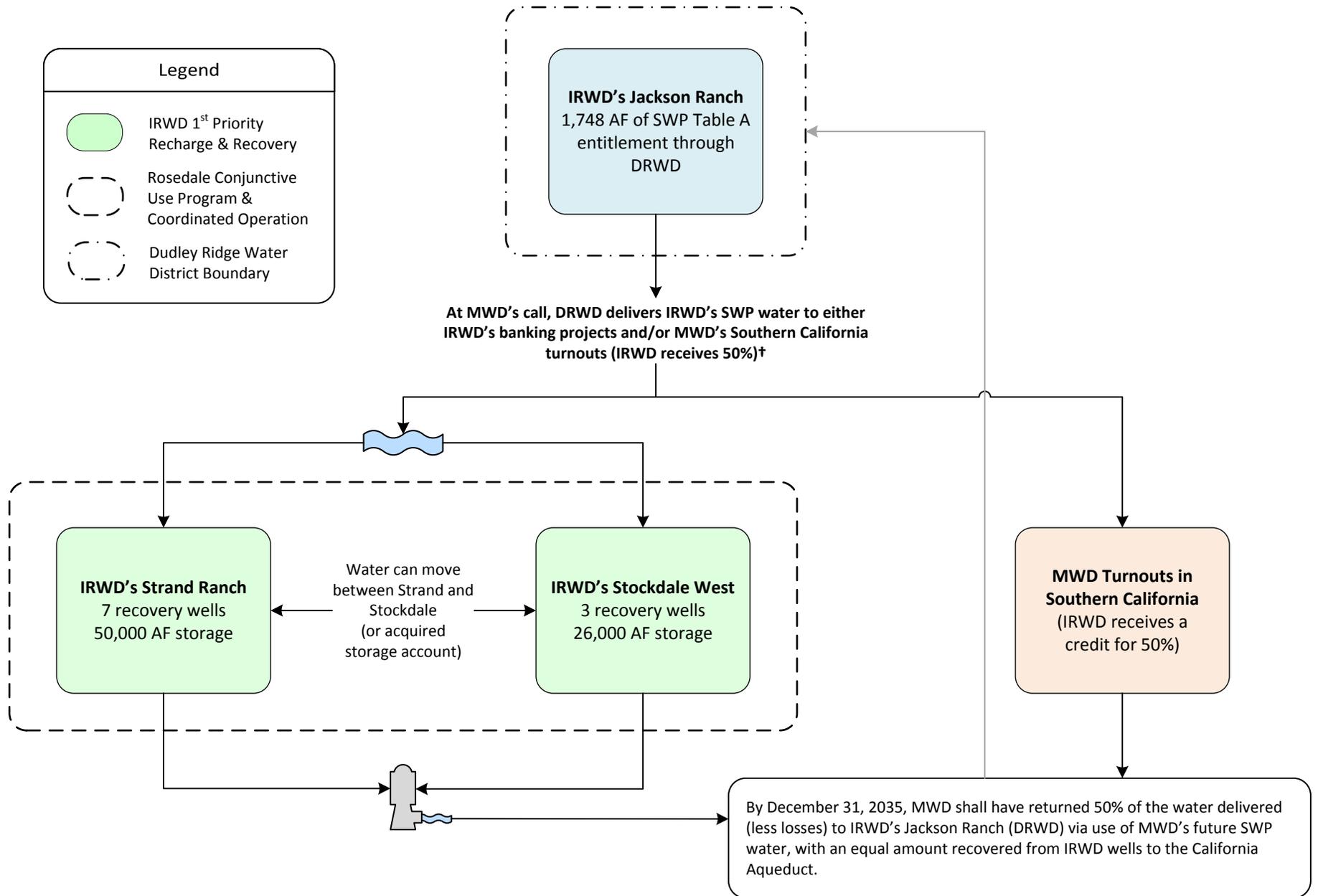
<sup>†</sup>IRWD shall remit one-half of the exchanged supply less one-half of reasonable losses back to BV no later than December 31<sup>st</sup> of the 6<sup>th</sup> year following the associated recharge event. IRWD pays for recovery of water returned to BV. Water to be remitted back to BV may remain in storage at Strand Ranch beyond the 6<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	50%	50%
6	50%	50%
7	75%	25%
8	100%	0%
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

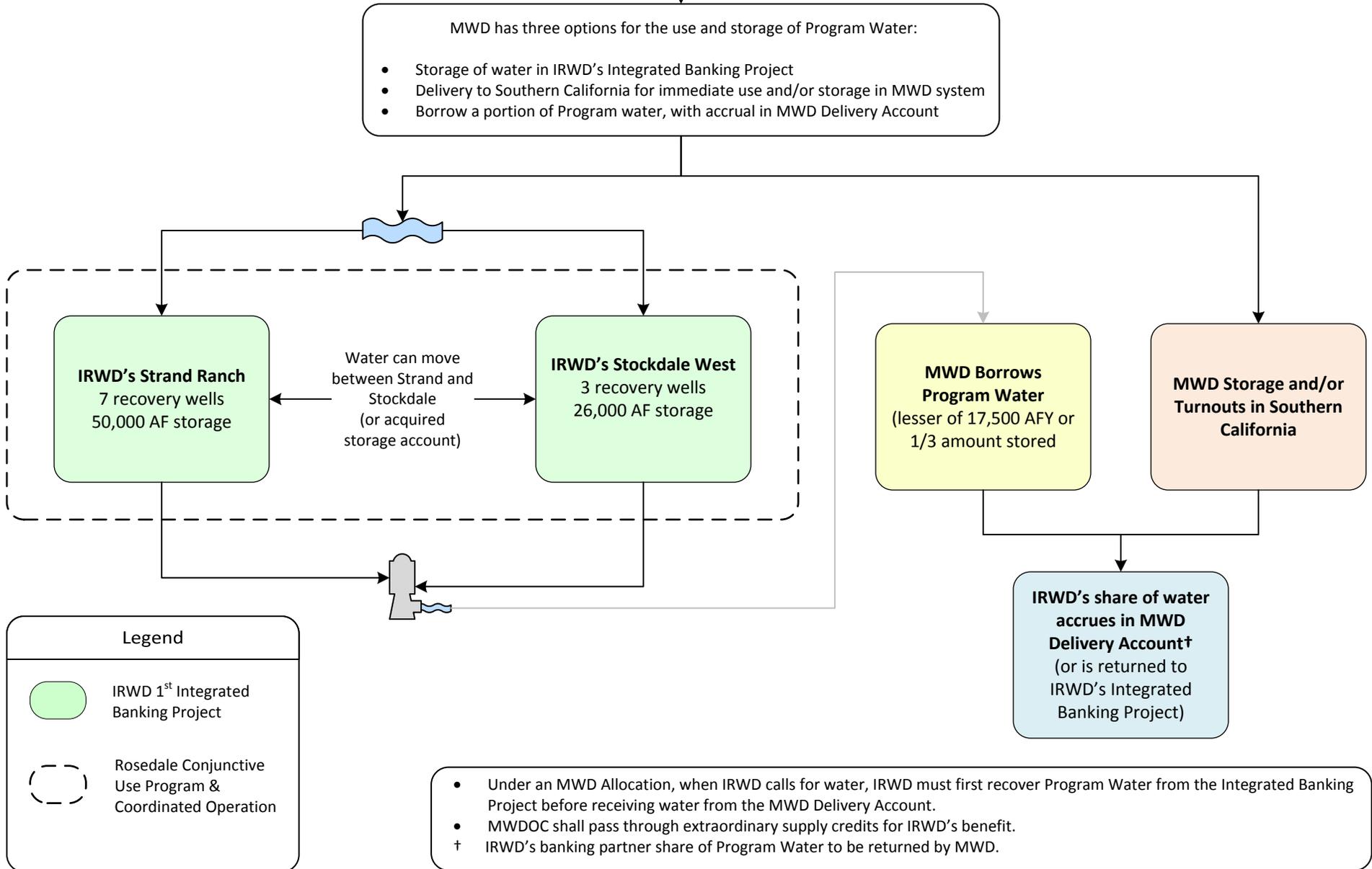


†Consistent with IRWD-MWD coordinated operating agreement.

# Exhibit "M"

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

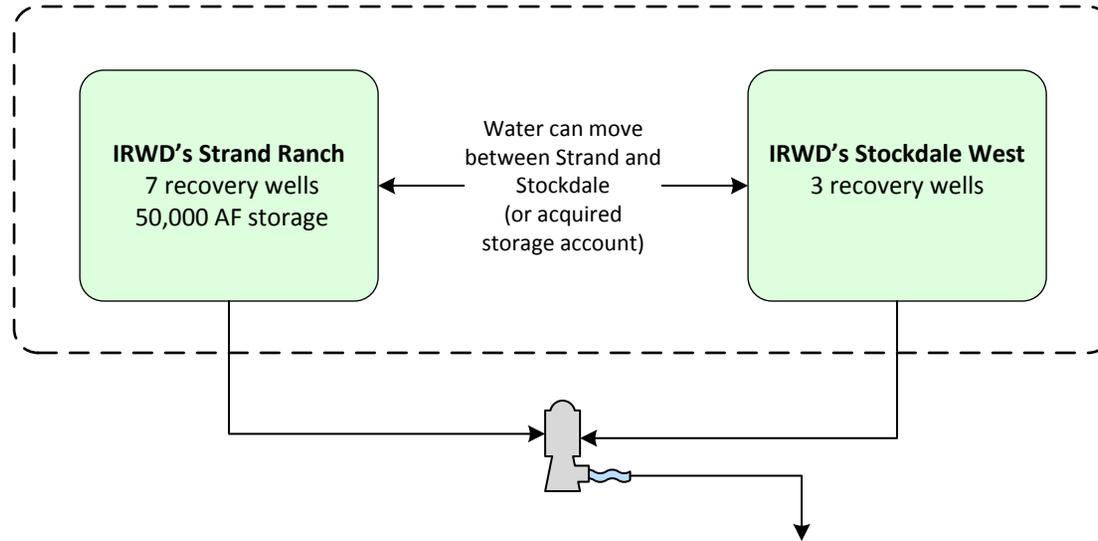
With MWD's consent, IRWD secures SWP water (Program Water) through exchanges with IRWD Banking Partners for use as extraordinary supply under MWD Water Supply Allocation Plan



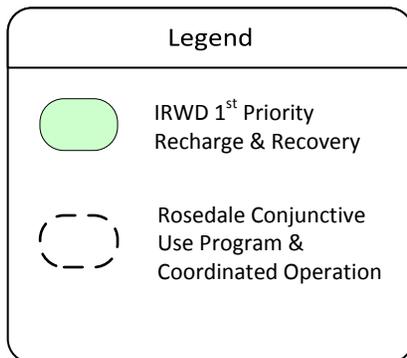
# Exhibit "N"

## Agreement for Conveyance of Water Between MWD, MWDOC, and IRWD (Wheeling Agreement)

### Template for future agreements



IRWD recovers its share of non-SWP water from its Integrated Banking Projects for use as extraordinary supply under a declared MWD Water Supply Allocation. MWD will coordinate the conveyance and delivery of recovered water to be used within IRWD's Service Area. Delivery can also occur through an operational exchange.\*



\*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.

# Exhibit "O"

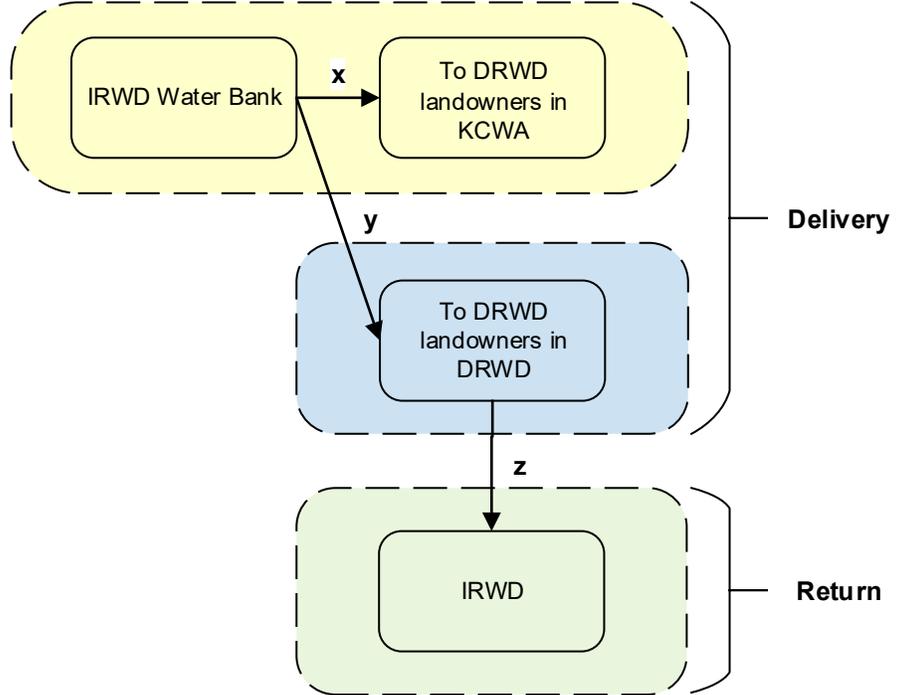
## Dudley Ridge Water District Long Term 1-for-1 Water Exchange Program Effective 5/31/2017 through 11/4/2035

**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

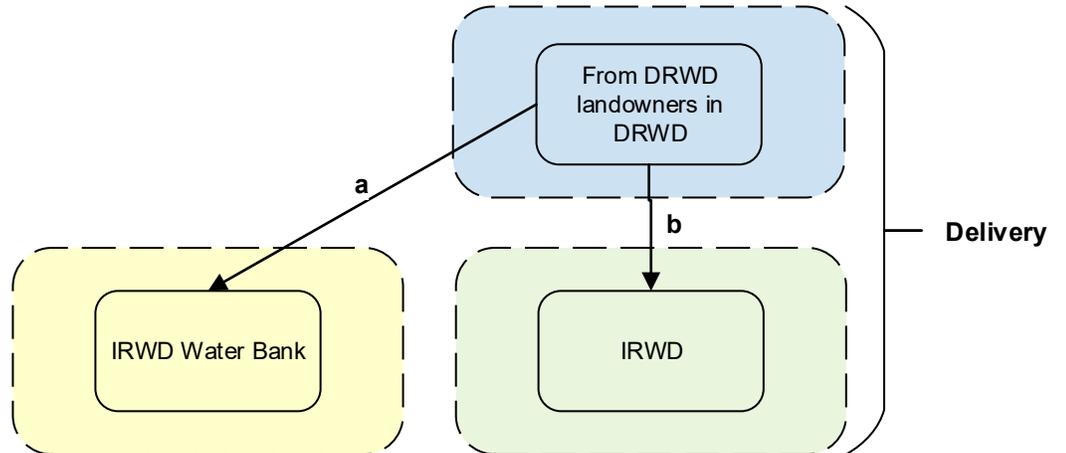
Per Section 4.1.3, z can be delivered to IRWD via in-ground transfer to IRWD, SWP delivery to IRWD banking facilities, or SWP delivery to MWDSC



**Scenario B**  
(Per Sections 2, 3, and 4.1.2)

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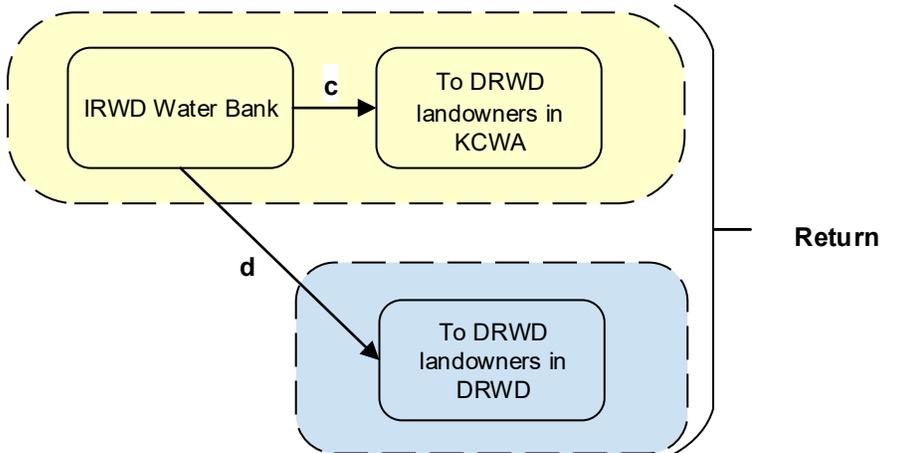
$a + b = c + d$   
(less applicable losses, if any)



**Legend**

---

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



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

September 16, 2021  
Prepared by: K. Welch  
Submitted by: F. Sanchez / P. Weghorst  
Approved by: Paul A. Cook *P.A.*

## SUPPLY RELIABILITY PROGRAMS COMMITTEE

### SITES RESERVOIR PROJECT PRELIMINARY WATER COSTS, WATER RIGHTS AND FINANCING ACTION PLAN

#### SUMMARY:

IRWD is currently participating in the planning and environmental review of the Sites Reservoir Project corresponding to 1,000 acre-feet (AF) of annual release capacity and 6,234 AF of storage capacity in the project. This capacity would allow IRWD to establish a regulated average annual water supply of 1,000 acre-feet per year (AFY) for its existing water bank and the Kern Fan Groundwater Storage Project. At the meeting, staff will provide a preliminary estimate of the cost of water from the project, an overview of the Authority's approach to securing water rights for the project, an update on the project Financing Action Plan and an overview of Guiding Principles to implement the project. Staff will also provide an update on the development of an amendment to an existing agreement that will facilitate funding of the next phase of work on the project.

#### BACKGROUND:

The proposed Sites Reservoir Project will provide 1.5 million AF of off-stream storage in the Sacramento Valley that would capture and store stormwater flows from the Sacramento River after all other water rights and regulatory requirements are met. A map showing the project location is provided as Exhibit "A". The stored water would be used by California communities, farms and businesses. The water would also be used for environmental purposes consistent with the California Water Commission's Water Storage and Investment Program (WSIP) requirements. Other proposed project benefits will include recreation, flood control and local economic benefits. The Sites Reservoir Project expects to receive \$836 million in WSIP funding and up to 25% of capital funding from the federal government through the Water Infrastructure Improvements for the Nation Act.

#### Irvine Ranch Water District Participation:

In December 2020, the Board approved IRWD's participation in the planning and environmental review of the Sites Reservoir Project corresponding to 1,000 acre-feet (AF) of release capacity and 6,234 AF of storage capacity in the project. As a participant in the project, IRWD is a member of the Reservoir Committee and participates in all of the project meetings and workshops.

IRWD's share of the funding for the current work plan is \$208,500 which continues through December 31, 2021. The work plan includes planning and environmental review work associated with completing WSIP grant eligibility requirements by the January 1, 2022 deadline. Sites Reservoir Authority staff are also working on completing a water rights application, which is expected to be completed in December 2021. During this period, IRWD has engaged

MBK Engineers to complete hydrologic yield modeling, while staff is performing financial modeling of the water supply benefits from the project.

Sites Reservoir Project Costs:

On July 23, IRWD staff participated in the Sites Joint Reservoir Committee and Authority Board Workshop which included a project affordability analysis that described project costs and project deliveries. Based on this analysis, project participants can assess their respective project affordability by evaluating project fixed and variable costs, water supply benefits, avoided costs and the potential for water sales and storage leases. The Sites Reservoir Project capital costs are projected to be approximately \$3.9 billion in 2021 dollars, which will be partially funded through state and federal grants. The remaining capital costs will be allocated to participants based on participant shares in the project and which facilities the participants will be using.

The estimated Sites Reservoir Project fixed and variable operating costs were reviewed at the workshop. A range of minimum and maximum operating costs was presented based on various operating scenarios. The operating scenarios range from dry year reservoir releases with no reservoir fills to wet years with maximum reservoir fills and no releases. The Sites Reservoir Authority has estimated the full range of operating costs based on these scenarios. Estimated fixed annual costs are to be allocated based on the percentage share of each participant's storage allocation.

Preliminary Cost of Water for IRWD:

IRWD's projected capital costs on a pay-as-you-go (pay-go) basis are expected to be approximately \$17,471,000 in 2021 dollars. Given this information, IRWD's per AF cost of water from the Sites Reservoir Project would range in accordance with IRWD's minimum average yield from the reservoir of 1,000 AF per year to a higher estimated yield of 1,670 AF per year, which would be achieved by frequently cycling water in and out of storage. Additional considerations that will affect IRWD's cost of water from the Sites Reservoir Project include fixed and variable operating costs as well as losses associated with conveyance of water across the San Joaquin-Sacramento River Delta (Delta).

*Delta Carriage Losses:*

Project participants located south of the Delta (including IRWD) will face constraints in the existing capacity to convey Sites Project water across the Delta. Based on Sites Reservoir Project modeling, the water losses in conveying water across the Delta could be as high as 25%. These conveyance losses would impact the amount of water that IRWD would expect to receive from the Sites Reservoir Project, as well as the cost of water. The proposed Delta Conveyance Project, referred to as an Alternative Conveyance, would be expected to free up the constraints and provide additional conveyance capacity that may be used to convey Sites Project water across the Delta.

*Unit Costs of Water:*

Staff has prepared preliminary estimates of the cost of water from the Sites Project on a per AF basis, based on potential ranges of annual water supply that could be realized from the project, both with and without an Alternative Conveyance. The preliminary estimates assume an annual water supply, available to IRWD south of the Delta, ranging from 750 AF to 1,670 AF and consider annual costs including capital, fixed and variable operating components. The unit costs of water to IRWD are estimated to range from \$327 per AF to \$619 per AF. These estimates represent the cost of water delivered at the Banks Pumping Plant after Delta losses. These estimates do not include the projected per AF cost of IRWD's potential share of the Alternative Conveyance capacity of three cubic feet per second, which could add an additional \$90 per AF to \$150 per AF to the cost of water. The preliminary cost estimates under the different project yield scenarios are provided in Exhibit "B". These estimates do not consider any benefits associated with potential water sales or storage leasing opportunities.

At the end of September, staff expects to receive preliminary modeling results from MBK Engineers of the potential range of water supply benefits to IRWD assuming deliveries will be made to the Kern Fan Groundwater Storage Project, both with and without Alternate Conveyance. In October, staff will provide the Committee with updated preliminary estimates of the cost of water from the Sites Reservoir Project that consider the modeling work performed by MBK.

Sites Reservoir Project Water Rights:

The water supply for the Sites Reservoir Project will be high flows diverted from the Sacramento River, Stone Corral Creek and Funks Creek. These diversions will occur during times when the Delta is in excess conditions and all senior downstream water rights have been met.

On July 20, staff participated in a Reservoir Committee meeting in which Sites Reservoir Authority staff provided an overview of the approach to secure water rights for the Project. The Sites Reservoir Authority would seek to divert water when the Sacramento River is not fully appropriated during the period of September 1 to June 15. The Project would divert up to 1.5 million AF per year. These diversions would be consistent with available canal capacities to move the water into Sites Reservoir.

To potentially expedite the water right process, the Sites Reservoir Authority is considering filing a petition to amend and assign a prior water right application for Colusa Reservoir. The Place of Use for the stored water will include the entire Central Valley Project and State Water Project areas for export. The Sites Reservoir Authority staff and consultants have been working closely with the State Water Resources Control Board, Bureau of Reclamation and the California Department of Water Resources to ensure no injury to other water users. The Authority plans to submit the water rights application to the State Board in December 2021 and expects that the State Board will issue its order and water right permit within the following 18 months.

Project Financing Action Plan:

On September 2, IRWD staff participated in a Sites Joint Reservoir Committee and Authority Board Financing Plan Workshop which reviewed concepts for a Sites Reservoir Project Financing Action Plan. The meeting also addressed the Authority's approach to satisfying the Proposition 1 requirement to demonstrate a 75% commitment of funding for the non-public benefit cost share of the project. In order to demonstrate the 75% funding commitment, the Authority plans to rely on a resolution outlining the progress and commitment to funding of the non-public benefits through the development of a Plan of Finance and Guiding Principles to establish preliminary terms for use in the development of the contract between the Sites Project Authority and the participants.

The workshop also included discussion of a third amendment that is being developed to the existing participation agreement (Amendment 3). The amendment will facilitate funding of the next phase of project work. Progress on the development of the Draft Plan of Finance and Guiding Principles for implementing the project were also discussed. Following is an overview of these documents. At the meeting, staff will provide additional information on what is expected to be included in these documents.

*Plan of Finance:*

The Authority plans to offer participants a pooled financing option and a pay-go option. The implementation of both options will ensure that the Sites Reservoir Authority has sufficient funding to meet its obligations. The feasibility of borrowing by those participating in the pooled financing option and the corresponding interest rate will be impacted by which participants choose the pay-go option. Each participant has, or will, provide the Authority with its preferred financing option. The Sites Reservoir Authority is encouraging each of the participants to evaluate its ability to fund its own share in the project. The feasibility of pooled financing for those unable to secure their own funding will be a market decision. It is expected that those that are unable to secure funding may be able to participate in the project by purchasing water from those that own reservoir capacity. Staff has communicated IRWD's intent to participate in the project by exercising the pay-go option.

*Guiding Principles:*

The purpose of the Guiding Principles is to establish preliminary terms to guide the development of an agreement between the Sites Reservoir Authority and the project participants. The Guiding Principles will define the allocation of project benefits, costs, risks, financing obligations and ownership obligations. The project will be implemented through "Beneficiary Pays" principles which means that project costs are allocated consistent with the flow of benefits and obligations. The Guiding Principles will also define the roles and responsibilities of the Authority and the participants, as well as identify the project assets and ownership. The participants' ability to lease storage or to sell water from the project will be provided for in the Guiding Principles. The development of the agreement, based on the Guiding Principles, is expected to continue to mid-2023.

*Amendment 3:*

Amendment 3 will be the third amendment to the Reservoir Project Agreement. This amendment will commit participants to fund the proposed Sites Reservoir Authority work plan from January 1, 2022, through December 31, 2024. With approval of Amendment 3, IRWD would agree to pay \$400,000 to fund its share of the work plan, payable in three installments. The next work plan includes completing the final project Environmental Impact Report / Environmental Impact Statement, obtaining environmental permits and water rights permits, securing final state and federal funding, and project design. Under Amendment 3, participants will be asked to identify how they will secure revenue to fund all project costs, which is key for meeting the Proposition 1 financial capability requirement. Upon executing Amendment 3, participants will also be able to change their participation level in the project. Participants will have until March 31, 2022, to indicate their expected source of funds for pay-go payments or payment of pooled financing obligations.

*Authority Resolution:*

The proposed resolution of the Authority Board confirming its 75% commitment to fund non-public benefits outlines the progress and achievements of the project and is intended to satisfy the California Water Commission (CWC) eligibility requirement. Participant approval of the resolution would indicate agreement that the facts, including achievements, past and future funding and progress made on the project are accurate.

*Next Steps:*

On September 22, 2021, the Sites Reservoir Committee and Authority are expected to vote to approve a resolution confirming a non-binding commitment to fund the non-public project benefits and to approve a draft Plan of Finance and Guiding Principles. The resolution is also expected to authorize the Site Reservoir Authority's submittal of these documents to the CWC. Once the Sites Authority approves the final versions of the Plan of Finance, Guiding Principles and Amendment 3, the project participants will be expected to present the final documents to their respective Boards of Directors for consideration and approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

The Site Authority is preparing an Environmental Impact Report/Environmental Impact Study for the Sites Reservoir Project. A draft of the document is expected to be released for public review in October 2021.

RECOMMENDATION:

Receive and file.

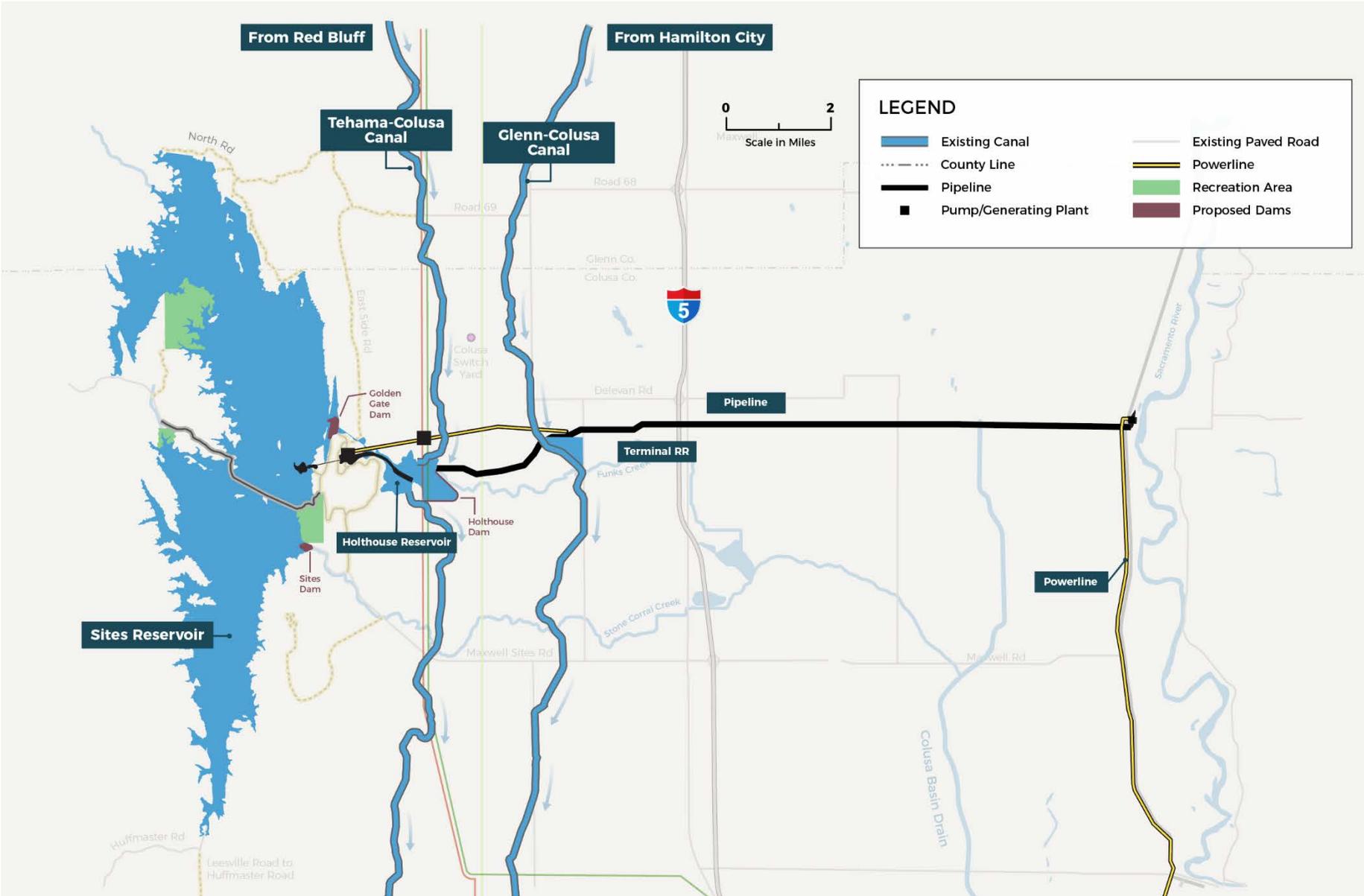
LIST OF EXHIBITS:

Exhibit "A" – Location Map of the Sites Reservoir Project

Exhibit "B" – Preliminary Cost of Water from Sites Reservoir Project

# Exhibit "A"

## Sites Reservoir Location Map



Note: This page is intentionally left blank.

Exhibit "B"

Preliminary Cost of Water from Sites Reservoir  
Project  
September, 2021

Project Yield Scenarios	Average Annual Yield (AF)	Capital Cost Per AF of Yield	Annual Variable Costs Per AF	Annual Fixed Costs Per AF	Total Annual Cost Per AF
Minimum Yield With Alternative Conveyance*	1,000	\$ 349	\$ 40	\$ 75	\$ 464
Minimum Yield Without Alternative Conveyance**	750	\$ 466	\$ 53	\$ 100	\$ 619
Maximum Yield With Alternative Conveyance*	1,670	\$ 209	\$ 72	\$ 45	\$ 327
Maximum Yield Without Alternative Conveyance**	1,253	\$ 279	\$ 97	\$ 60	\$ 435

**Assumptions** (Source: Sites Reservoir Authority, July 2021)

Pay go capital costs	\$ 17,471,000
Storage Allocation	6,234 AF
Average minimum yield	1,000 AF per year
Estimated maximum yield	1,670 AF per year
Economic life of project	50 years
Annual fixed costs	\$ 75,000 per year
Average variable costs	\$ 40,000 per year
Maximum variable costs (max fill)	\$ 121,000 per year (upper end)

All dollars shown are 2021 \$

Estimated costs of water at Banks Pumping Plant

\*Does not include estimated cost of Alternative Conveyance capacity of 3 cfs projected to be additional \$90 to \$150/AF

\*\*Assumes a 25% carriage loss without Alternative Conveyance

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September 16, 2021  
Prepared by: K. Welch  
Submitted by: F. Sanchez / P. Weghorst  
Approved by: Paul A. Cook *P. Cook*

## SUPPLY RELIABILITY PROGRAMS COMMITTEE

### PALO VERDE IRRIGATION DISTRICT 2021 ELECTION

#### SUMMARY:

IRWD owns approximately 3,106 gross acres of land located within the Palo Verde Irrigation District (PVID). As a landowner within PVID, IRWD is eligible to cast votes in elections for PVID's Board of Trustees. On September 21, 2021, PVID will hold an election among its landowners to elect two members of its Board of Trustees. Staff recommends the Committee approve staff's recommendations for casting IRWD's votes in the election on September 21, 2021, and provide consent to the General Manager's designee to cast the votes by proxy.

#### BACKGROUND:

IRWD owns approximately 3,106 gross acres within PVID, of which 2,845 are water toll acres. All of IRWD's properties are enrolled in the Palo Verde Land Management, Crop Rotation and Water Supply Program (Fallowing Program). These properties are shown on Exhibit "A". IRWD receives rental payments, contract farm payments and water toll payments on its lands. IRWD also receives payments on the fallowed areas in accordance with the Fallowing Program.

On September 21, 2021, PVID will hold an election among its landowners to elect two members of its Board of Trustees to three-year terms. Each PVID landowner is allotted one vote for each gross acre of land owned; IRWD is entitled to cast 3,106 votes. An image of the ballot sent to IRWD is shown as Exhibit "B". In accordance with the District's updated Real Property Policy, staff will review with the Committee recommendations for casting IRWD's votes in the election.

#### *Designation of Proxy*

In August 2018, the Board authorized the General Manager, or his designee, to vote on behalf of IRWD in the elections for the Trustees of PVID. At the meeting, staff will request that the Committee consent to the General Manager's designee authorized to cast IRWD's votes by proxy in the upcoming PVID election.

#### FISCAL IMPACTS:

None.

#### ENVIRONMENTAL COMPLIANCE:

IRWD is not contemplating any changes in the use of its lands in PVID. Therefore, no environmental review is necessary. IRWD specifically conditions any proposed future change in the use of the properties to future environmental review in compliance with the California Environmental Quality Act.

RECOMMENDATION:

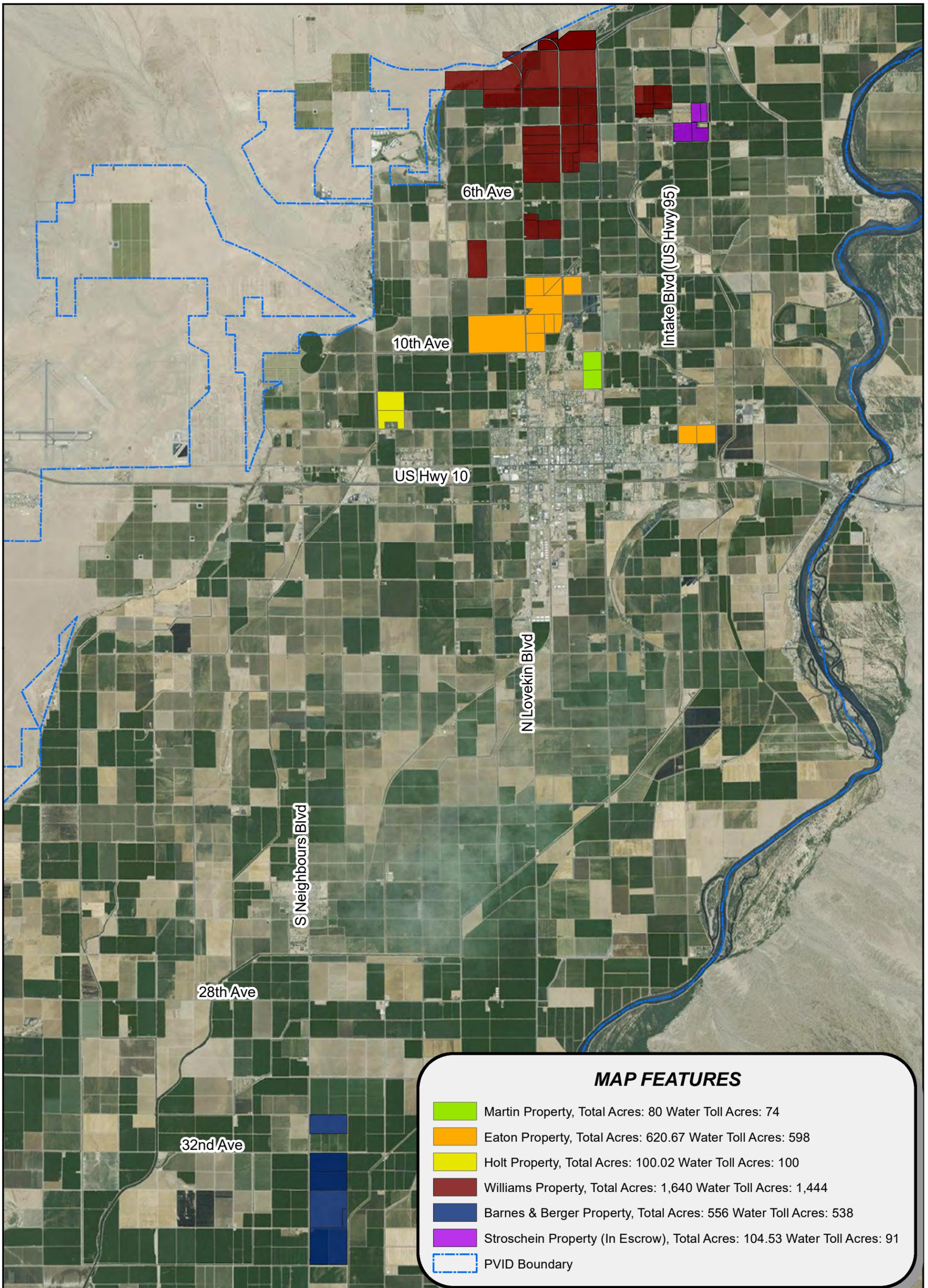
That the Committee approve staff's recommendations for casting IRWD's votes in the September 21, 2021, Palo Verde Irrigation District Trustee election and provide consent to the General Manager's designee to cast IRWD's votes by proxy.

LIST OF EXHIBITS:

Exhibit "A" – Location of IRWD-owned properties within Palo Verde Irrigation District

Exhibit "B" – Image of PVID Election Ballot Sent to IRWD

# IRWD PVID Owned Properties



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# SAMPLE BALLOT

## Palo Verde Irrigation District Election

### September 21, 2021

## Instruction to Voters

### Annual Trustee Election

To vote for any candidate stamp a cross (X) in the voting square next to the right of the name of such candidate except when the name of a candidate is written in by the voter. To vote for a person not on the ballot write the name of such person under the title of the office in the blank spaces left for that purpose. All marks except the Cross (X) are forbidden. All distinguishing marks or erasures are forbidden and make the ballot void. If you wrongly stamp, tear or deface this ballot, return it to a member of the Board of Election and obtain another.

MEMBERS OF BOARD OF TRUSTEES		
Vote for Two for Three Year Term		
GARY BRYCE INCUMBENT	THREE YEAR TERM	
DEBRA (STROSCHEIN) KEENAN	THREE YEAR TERM	
MICHAEL MULLION	THREE YEAR TERM	
BRAD ROBINSON APPOINTED INCUMBENT	THREE YEAR TERM	
	THREE YEAR TERM	
	THREE YEAR TERM	
NOTICE: Your Polling Place is P.V.I.D. Office 180 W. 14th Ave., Blythe, CA Polls Open 7:00 a.m. to 6:00 p.m.		

(This number to be torn off by Inspector)

**No 0000**

SAMPLE BALLOT

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