ARVIN-EDISON WATER STORAGE DISTRICT

REPORT OF DISTRICT OPERATIONS

July 2025

Installing Moss Screen at Pump Plant N8-P1

20401 East Bear Mountain Blvd.
Mailing: P.O. Box 175
Arvin, CA 93203-0175

Phone: 661-854-5573
Fax: 661-854-5213
E-mail: arvined@aewsd.org
Website: aewsd.org

WATER SUPPLY

Friant Division Central Valley Project (CVP)

- The current Friant Division Class 1 allocation is at 100%, which amounts to 40,000 AF, and 0% for Class 2.
- Exhibit “A” provides additional supply information for 2025 Water Year supplies.

San Joaquin River (SJR) Restoration Program (SJRRP)

- On May 18, 2025, the SJRRP transmitted to the Restoration Administrator (RA) the Final Restoration Allocation for the 2025 Water Year. The Allocation is based on a 50% Exceedance forecast of 1,346,000 AF of natural river runoff, which is a Normal-Dry water year type and results in a restoration flow allocation of 269,355 AF.
- On June 6, 2025, the RA submitted a final schedule which recommends the release of 185,000 AF of Restoration Flows to the river, which is less than the restoration allocation due to downstream capacity limitations, leaving approximately 80,000 AF of Unreleased Restoration Flows (URF).
- On April 14, 2025, 10,000 AF of URFs were made available to Friant Class 1 contractors, of which the District’s portion is 554 AF. This quantity must be used by May 2, 2025.
- On May 1, 2025, 30,000 AF of URFs were made available to Friant Class 1 contractors, of which the District’s portion is 1,642 AF. This quantity must be used by May 18, 2025.
- Thus far in WY 2025, Recapture and Recirculation supplies for the District are 9,000 AF.
- District’s Recovered Water Account (RWA) balance is currently 27,143 AF. RWA credits allow the District to purchase water for $10/AF during wet periods (uncontrolled season but subject to canal prorate) when RWA water is declared.

Other CVP Contractors

- The current North-of-Delta 2025 allocation is 100% for Agricultural Service Contractors.
- The current South-of-Delta 2025 allocation is 55% for Agricultural Service Contractors, this includes the District’s Fresno County supply which amounts to 1,650 AF.

State Water Project (SWP)

- California Department of Water Resources 2025 State Water Project allocation is 50%.

Kern River

- The Kern River 2025 April through July runoff is 82% of average.

Water Bank Facilities

- The District is expected to recover approximately 63,000 AF of previously banked supplies in Water Year 2025.

Metropolitan Water District (MWD) Program

- MWD account balance remains at 100,201 AF.
- The District obtained its fifteenth consecutive year approval from the State Water Resources Control Board regarding a Petition for a Consolidated Place-of-Use (CPOU) which now expires on July 22, 2025. A subsequent CPOU has been requested for another 12-month period.
- The CPOU petition includes the ability to exchange all types of Arvin-Edison supplies with MWD including unbalanced exchanges.
- The District's 10-year NEPA documentation is complete and approved until March 2034.

Rosedale-Rio Bravo Water Storage District (RRBWSD) Program

- The District's account balance in RRBWSD as of March 2025 is approximately 45,000 AF. District anticipates receiving 10,000 AF of returned bank supplies from RRBWSD in during Water Year 2025.

District Partnerships

- The District received a ten-year approval (through Water Year 2035) from USBR to transfer and exchange Friant Division CVP water to Kings River Area Agencies and Kern County Districts.
- The District has participated in water management programs with the following districts/agencies in Water Year 2025 to date:

Fresno County	Rosedale Rio Bravo WSD
Madera Irrigation District	Kern-Tulare Water District
Del Puerto Water District	SJRRP Recapture/Recirculation
Wheeler Ridge-Maricopa WSD	Chowchilla Water District
Exeter Irrigation District	Lower Tule Irrigation District
Westside Mutual Water Company	

WATER DEMAND

- District turnout deliveries (not including on-farm recharge) for the month were 19,609 AF.
- The following is a summary of surface water deliveries for July 2025.

Water Type	Month of July		Water Year to Date	
	10 Yr. Avg.	2025	10 Yr. Avg.	2025
SWSA	18,171	19,609	67,949	70,691
In-Lieu		0		0
Temporary		0		0
Spreading*	n/a	118	n/a	1,014
	Total	19,727	Total	71,705

*Direct spreading, includes Landowner (on-farm) Recharge

- Exhibits “B-1”, “B-2”, and “B-3” illustrate the delivery data.
- The month's peak daily in-District demand was 491 cfs, which occurred on the 3rd.
- Exhibit "C-1” details Canal Water Quality information.
- Exhibit “C-2” presents the Aquatic Pest Control Treatments ($88,920) for Calendar Year 2025.

GENERAL

- District vehicles consumed an estimated 3,892 gallons of fuel during the month (average fuel efficiency of 12.5 mpg).
- There were 543 hours lost due to illness and 240 hours lost due to on-the-job injuries.
- Exhibit "D” highlights precipitation, temperature, and wind speed.
- Exhibit "E" summarizes energy consumption and power demand.

ENGINEERING DEPARTMENT ACTIVITIES

Routine Activities

- Review and accounting of District’s water supply and related contracts.
- Administration or proposals of water management and wheeling agreements.
- Groundwater level surveys and associated exhibits.
- Water quality testing.

- ArcGIS database updates/maintenance (facilities, water service areas, boundaries, etc.).
- CIMIS station management (https://cimis.water.ca.gov/Stations.aspx).
- Land use/crop surveys with data entry.
- Monthly/annual reports regarding water deliveries, water use, and energy use.

Grants & Funding Opportunity Updates

- NRCS landowner incentive programs assist with implementing various conservation activities, including but not limited to, irrigation system improvements, filtration needs, water/nutrient/pest management, and engine replacement:
    - Phone (661) 336-0967
    - Website (www.ca.nrcs.usda.gov)
- North West Kern Resource Conservation District provides discounted on-farm irrigation distribution uniformity and efficiency testing
    - Phone (661) 281-2746
    - Website (http://northwestkernrcd.org)

AEWSD Current Construction Projects

	DiGiorgio - Phase 2A N36 Lateral	Frick Unit – Phase 1 Turnout	N24 & N26 Recovery Wells – Drilling & Equipping	N24 & N26 Recovery Wells – Electrical	NCSW Expansion – FDRE – 1st Contract	White Wolf Subbasin 850 Canal Intertie
Construction Start Date	October 2024	November 2024	March 2025	March 2025	July 2025	July 2025
Punch List	May 2025	May 2025	October 2025	September 2025	November 2025	November 2025
Final Project Close-Out	July 2025	July 2025	November 2025	November 2025	November 2025	December 2025
Current Construction Contract Costs	$2,394,488	$1,147,640	$2,144,560	$521,950	$759,950	$645,099
Total Grant Funding	$0	$3,250,000 (EPA Grant Funding will be allocated to both Phases 2 & 3 of the Project) $1,000,000 (DWR Estimated Remaining Funds after Phase 1)	$2,000,000 (Federal Share) $2,160,421 (Recipient Share)		$999,500	$925,000
Notes			** Grant Funding needs to be spent by March 31, 2026*	** Grant Funding needs to be spent by March 31, 2026*	**Grant Funding needs to be spent by March 31, 2026*	**Grant Funding needs to be spent by December 31, 2025*

AEWSD Upcoming Construction Projects

	White Wolf Temp Water Program	NCSW FDRE – 2nd Contract	Frick Unit Phase 2 – Main Line	Frick Unit Phase 3 - Laterals
Bid Advertisement	July 29, 2025	July 30, 2025	August 2025	February 2026
Board Approval	September 9, 2025	September 9, 2025	October 14, 2025	April 14, 2026
Construction Start	October 1, 2025	November 1, 2025	November 2025	May 2026
Projected Completion Date	December 31, 2025	January 31, 2025	March 2026	October 2026
Current Estimated Costs	$888,000	$875,000 (Total Project: $1,634,950 including FDRE – 1st Contract)	$6,991,375	$4,969,375
Total Grant Funding	$1,345,000 ($210,500 is allocated to WRMWSD)	$999,500	$3,250,000 (EPA Grant Funding will be allocated to both Phases 2 & 3 of the Project) $1,000,000 (DWR Estimated Remaining Funds after Phase 1)	
Total AEWSD Funding for Projects	$0	$685,450	$7,710,750	
Notes	**Grant Funding needs to be spent by December 31, 2025*	**Grant Funding needs to be spent by March 31, 2026*	**Schedule tentative to change - pending grant agreement*	**Schedule tentative to change - pending grant agreement*

AEWSD Grants & Funding Opportunities

Project Name	Drought Recovery Wells and Conjunctive Use Modeling Tool	Forrest Frick Unit In-Lieu Project		White Wolf Groundwater Sustainability Agency	Groundwater Flow Model and Decision Support Tool	North Canal Spreading Works Expansion Project		DiGiorgio Unit Phase 2b-5 Project
Grant Name	USBR 2023 WaterSMART Drought Recovery Program Grant	DWR Round 2 Integrated regional Water Management Grant	Community Project Funding Grant	DWR – SGM Round 2 Grant	USBR 2023 Water SMART Applied Science Grant	DWR – Flood Diversion Recharge Enhancement (FDRE) Grant	FY2026 Community Project Funding Grant	USBR 2024 Planning and Project Design Grant
Grant Type	Federal	State	Federal	State	Federal	State	Federal	Federal
Grant Status	Awarded	Awarded	Selected	Awarded	Awarded	Awarded	Pending	Selected
Grant Amount	$2 Million	$2 Million	$3.25 Million	$4.8 Million	$95,000	$999,500	$4 Million	$308,170
Notes			*Pending grant agreement from EPA. Anticipated to receive October 2025*					*Pending grant agreement from USBR*

Other Activities

- Administration and accounting of on-going water management programs.
- Technical support and review of ongoing projects/studies such as:
    - Potential Interconnections with other Districts.
    - Pump Replacement Program.
    - Turnout Modification Requests.
    - Temporary and/or In-Lieu Water Service Contract Requests.
    - Pump Efficiency Testing.
    - Real Time Water Quality Monitoring.
    - Stand tank Painting Project.
    - Stand tank and pressure vessel inspections.

SGMA Activities

- The Kern Subbasin Probationary Hearing was held on February 20, 2025. The State Water Resources Control Board decided to extend the hearing to September 2025. The Subbasin submitted the Final 2025 GSP on July 31, 2025, with expected adoption by the GSAs in August.
- Continued coordination meetings and outreach activities.
- Attended various GSA meetings.
- Collected groundwater levels and water quality data.
- Continued coordination efforts with South of Kern River GSAs (posted on website www.sokrgsp.com).
- Continued coordination efforts with White Wolf Subbasin GSA (posted on website www.whitewolfgsa.org).

Requests for Information/Easements/Planning Notices

- Water supply
- Water costs
- Historical groundwater levels
- Monitoring well conversions
- Water quality
- Land use data
- Easements and/or right-of-way encroachments
- Reviewed/responded to multiple planning notices
- Reviewed/responded to environmental documents as necessary
- Responded to As Built Requests

Power Related Activities

- Revised power purchase agreements with White Pine Renewables for a total of 10 MW solar production.
- Managed Electrical Distribution Expansion Study process.
- Reviewed Renewable Portfolio Standards balances.
- Coordinated planned PG&E outages, meter repairs and reviewed Trimark and RBI invoices.
- Performed weekly load forecast reviews.
- Reported on PWRPA power accounting.
- Reviewed PWRPA monthly invoices for billing anomalies/meter reconciliations.
- Reviewed power reconciliation reporting tool.
- Worked on On-Farm Solar RECS agreements and reporting.
- Maintained Wells First Off List (efficiency rating).
- Performed Load forecast updates and rate analysis.
- Coordinated with PG&E on meter inventory information.
- Coordinated new power service design and construction projects.
- Coordinated monthly landowner Groundwater meter reads, repairs and prepared reports.

SPREADING WORKS OPERATIONS (WELLFIELDS AND BASINS)

- Exhibit “F” summarizes wellfield production to date.
- Exhibit “G-1” summarizes gross direct spreading to date.
- Exhibits “H-1” and “H-2” summarize current static and/or pumping water in table and graphic forms.

Arvin-Edision Water Storage District

121525001-WELL

Well Field Management

Well Repair Status Report

August 07, 2025

Well Number	Year Built	Age (Years)	Cased Depth (ft)	Previous Well Condition Rating	Current Status	Problem	Notes/Discussion
Sycamore 13	1967	**58**	840	Acceptable	**Permanently Out of Service**	Apparent Pump Failure	o SA Camp used hydraulic jacks to attempt removal of the pump. o The pump would not come free and the column/tube/shaft ultimatedly separated 220' down. o SA Camp removed the c/t/s that broke off and stacked it on-site. o Pacific Irrigation has been directed to move the c/t/s to their yard for evaluation and disposal. o I recommend we install a locking cap on the well head and leave it as is.
Sycamore 17	1967	**58**	840	**Poor**	**Operationally Limited**	Pump Breaking Suction	o Excessive pumping water level drawdown until pump breaks suction. o Very little room to lower pump...not enough to make much difference. o **Current recommendation is to run for short periods when water supply need is critical.** o This well will be removed from status report next month.
Tejon 84	1970	**55**	996	Acceptable	**Out of Service**	Pump Failure	o Has been an okay well over the years with very few problems. o Pump has been pulled....and needs to be replaced. Sand found in discharge piping. o Video log doesn't look great but casing integrity is not obviously compromised. o We plan to brush the well and revideo. Then patch if necessary. o Waiting for quote from PacIrr/Well Rehab Services.

OPERATIONS DEPARTMENT ACTIVITES

Routine Activities

- Operated District's water distribution and delivery systems (canal, reservoirs and wells).
- Conducted monthly safety meetings.
- Performed monthly meter reads at Turnouts and Pump Plants (water and power).
- Maintained weed control at Pump Plants, Turnouts, Air-Vents, and Isolation Valves.
- Monitored Forrest Frick Pumping Plant operations and Intake Canal water levels.
- Inspected control systems at Pump Plants (Transducers, Cla-valves, etc.).
- Replaced burned out Pump Plant lights and panel bulbs.
- Monitored flows and levels at the Intake, North and South Canal.
- Applied warning labels on Turnouts.
- Took daily well field readings.

Additional Activities

- Chopped weeds and sprayed District-wide.
- Electric fence training at Forrest Frick Pumping Plant.
- Re-stocked supplies.
- Flushed and cleaned several mainline air vents.
- Replaced locks and chains at the Intake and Wasteway.
- Replaced mainline air vent at North Ponds.
- Installed spray pump switch for trucks 626 and 631.
- Replaced stolen wire at Pump Plant N55-P13.
- Checked transducers at Pump Plants N55-P9 and N55-P10.
- Spoke with landowner and flushed Turnout C-17.
- Verified all Edison Unit 3” to 4” turnout conversions.
- Checked low water level at Pump Plant S32-P1 with new moss screen.
- Replaced air vent at Pump Plant S64-P1 unit #5.
- Repaired sump pump line leak at Pump Plant S93-P1.

Flushing Turnout C-17

Clearing Brush Area Around Air Vent on North Side of District

Underground Service Alert (USA) Report

- District initiated 3.
- Responded to 116 USA notices to locate District underground facilities.
  - 31 required markings of District facilities.
  - 24 were renewals.
  - 58 with no conflicts.

Power Outages and/or Interruptions Involving the Following Systems

- 1 outage for the month.

Power Interruptions													
FFPP		**BR**		**S32**	2	**S68**		**S88**		**OFFICE**		**SYC**	
N1		**N41**		**S38**	3	**S73**		**S93**		**Intertie**		**Tejon**	
N8		**N55**		**S64**		**S78**		**EOC**		**NC**		**CVC**	

Lateral Prorates

- Provost & Pritchard has conducted investigation on potential shift in demand to gravity turnouts on the S38 lateral to reduce prorate occurrences.

Prorated Laterals (days)										
N1	0	**N8**	0	**N24**	0	**N41**	0	**N55**		19
S32	0	**S38**	22	**S64**	0	**S73**	16	**S88**	0	**S93**	4

Facility Improvements (Repairs-R or New-N)

Meters-N		Meters-R	
M-32	NC-G	M-32	A-38
M-37	A-77	A-38	C-90
E-82	W-46		

MAINTENANCE DEPARTMENT ACTIVITIES

Routine Activities

- Performed weekly yard duties at Headquarters.
- Cleared-out forebays at North and South Canal.
- Organized Maintenance Warehouse.
- Maintenance of the CIMIS Station.

Additional Activities

- Landscape makeover at Pump Plant N1-P7.
- Removed fence line for expansion project at North Ponds.
- Repaired leak at Pump Plant N55-P4 unit #2.
- Installed antitheft rods at Pump Plant N55-P4.
- Replaced three canal gates due to theft.
- Backfilled potholes at Head Quarters.
- Graded and placed new gravel behind the mechanic's warehouse.
- Bladed and graded at Tejon Ponds.
- Completed painting at Pump Plant S73-P1.

Installed Long Stem Valves at Tejon Spreading Works

Mechanic's Shop Repair Activities

- Performed weekly inspection on the Fuel Tank and Gas Pump.
- Repaired tire on District mower.
- Fixed hydraulic leak on District backhoe.
- Repaired hydraulic line on tractor.

Removed Fenceline for North Canal Spreading Works Expansion Project

Graded and Placed Gravel Behind Mechanic's Warehouse at District Headquarters

Part	Repair/Replaced	Part	Repair/Replaced
Routine Service	8	A/C Service/Heater	3
Brakes	3	Belts	0
Tires	12	Headlights/Taillights	3/1
Tire Repairs	6	Shocks	0
Rotors/Drums /Wheel Bearings	0/0	Wiper Blades/Engine Washes	4/2
Batteries	4	Cabin Filter	4
Fuel Filters	1	Trailer Lights/Spotlights	0/1
Tune-ups	0	Cleaned Throttle Body	2
Clean TPS Sensor	2	Misc	5

PUMP DEPARTMENT ACTIVITIES

Routine Pump Maintenance Activities

- Replaced various pump packings.
- Lubricated pump bearings at various Pumping Plants.
- Maintained drip oil on District Wells.
- Inspected and maintained Air Compressors.
- Inspected and/or adjusted Traveling Water Screens/Moss Screens.

Additional Activities

New Moss Screen Installation at Pump Plant S32-P1

- Installed new Moss Screens at Pump Plants N41-P1, N8-P1, and S32-P1.
- Cleaned out sprayer pump filters on the Moss Screens frequently due to excessive moss.
- Replaced a bad check arm for a 16” check valve at Pump Plant N1-P6 unit #1.
- Troubleshot and repaired the compressors at Pump Plant N8-P3.
- Replaced an auto oil dripper at Sycamore Well #1.
- Re-aligned the conveyor belt at the Twins Moss Screens.
- Attempted to remove a stuck Turbine pump at Sycamore Well #13.
- Installed security bolts at Pump Plant N55-P13 to help protect the motor leads from vandalism.
- Replaced a check nut for a 12” check valve at Pump Plant N55-P12 unit #1.
- Replaced an O-ring for a 12” check valve at Pump Plant N55-P7 unit #2.
- Replaced a belt for the compressor at Pump Plant S32-P1 and repaired the floats in the air chamber.
- Removed vertical pumps to clean out the debris from the impellers at Pump Plant S32-P1 units #1 and #2.
- Replaced a broken spring on 12” check valve at Pump Plant S38-P1 unit #4.
- Replaced a roll pin for a 12” check valve at Pump Plant S38-P2 unit #3.
- Attended well start up at Tejon Well # 100.
- Replaced 80ft of bad bearings and a head bushing bearing at Tejon Well # 100.
- Replaced a broken roll pin on a 16” check valve at Pump Plant S64-P2 unit #1.
- Repaired the plumbing for the Moss Screen sprayer pump at Pump Plant S73-P1.
- Replaced a broken spring for a 16” check valve at Pump Plant S93-P1 unit #1.

Repaired Plumbing for Pump Plant S73-P1 Moss Screen

Removed Debris from Unit #1 at Pump Plant S93-P2

PUMP & MOTOR REPAIR SUMMARY

	Pumping Plant/Wells	Unit	Size	Time/Hours	Reason
Vertical Pumps					
Vertical Motors					
Horizontal Pumps					
Horizontal Motors	55-P8	2	50 HP	27566.8	Bad Bearing

CONTROLS DEPARTMENT ACTIVITIES

Routine Activities

- Processed monthly Purchase Order's.
- Performed electrical maintenance and repairs.
- Monthly Inventory.

Distribution System Improvements (Repairs-R or New-N)							
Starter Controls	**Contactors / Soft Start**	**Aux. Contact Block**	**Motor Control Panels**	**Battery Back-up Units**	**Circuit Breakers**	**Hour meters**	**Trip Units**
	R – N1-P1 unit #1 – reset & cleared the fault on softstart		N – N55-P8 unit #1 – replaced underground motor cable			N – N1-P2 unit #6 – replaced hour meter	
			N – N55-P8 unit #2 – replaced underground motor cable				

Distribution System Improvements (Repairs-R or New-N)							
Radios	**PLC's or Control Mods.**	**Photocell / Lights**	**Wiring**	**Valve Controllers or Limitorque**	**Coils**	**Relays / Thermal O/L**	**Fuses / Transducers**
			N – S32-P1 - replaced float switch on the forebay				
			N – N55-P1 compressors – replaced H-O-A normally open contact blocks				

Well Facility Improvements (Repairs-R or New-N)							
Transformers (number)	**Thermal Overloads**	**Lightning Arrestor**	**Panel wiring / Circuit Breaker /Cont**	**Soft Start Equip ment**	**Control Fuses**	**Relays / Switche s**	**12KV Fuses**
			N – Sycamor e Well #1 – replaced circuit breaker				

Additional Activities

- Installed CCTV surveillance camera monitor at Forrest Frick Pumping Plant.
- Worked on watermaster's display monitors to allow monitoring of Wildeye meter software and Forrest Frick Pumping Plant surveillance cameras.
- Worked at Stine Checkgate to Install wireless data communication equipment for remote site connection to the master SCADA. Assigned and configured IP address. Configured the CISCO switch gateway. Reprogrammed the Stine Checkgate address tags. Established master SCADA communication to the remote site. Placed the Checkgate back in operation.
- Retrofitted and installed new exhaust fan assemblies and shrouds at Pump Plants N1-P1, N55-P4, N55-P8, N55-P9, N55-P14, S38-P2 and S88-P1.
- Assisted IT technician to configure the internet system network of Forrest Frick Pumping Plant. Installed temporary Fortinet firewall (loaner) and configured the local network. Connected the CCTV surveillance camera to the network and local computer monitor.
- Oversaw contractor work order at Pump Plant S32-P1 twin moss screen for the 480VAC supply power. Hand dug a trench to bury electrical conduit from the MC building to the pump plant's forebay.

FORREST FRICK PUMPING PLANT

- 11,762 AF of water was pumped during the month.

HOWARD FRICK PUMPING PLANT (AQUEDUCT INTERTIE)

- 2,348 AF was delivered to the District from the CA Aqueduct through the Howard Frick Pumping Plant/Pipeline and 0 AF was returned.

EXHIBIT "A-1"

ARVIN-EDISON WATER STORAGE DISTRICT

2025 WATER SUPPLY AND DEMAND

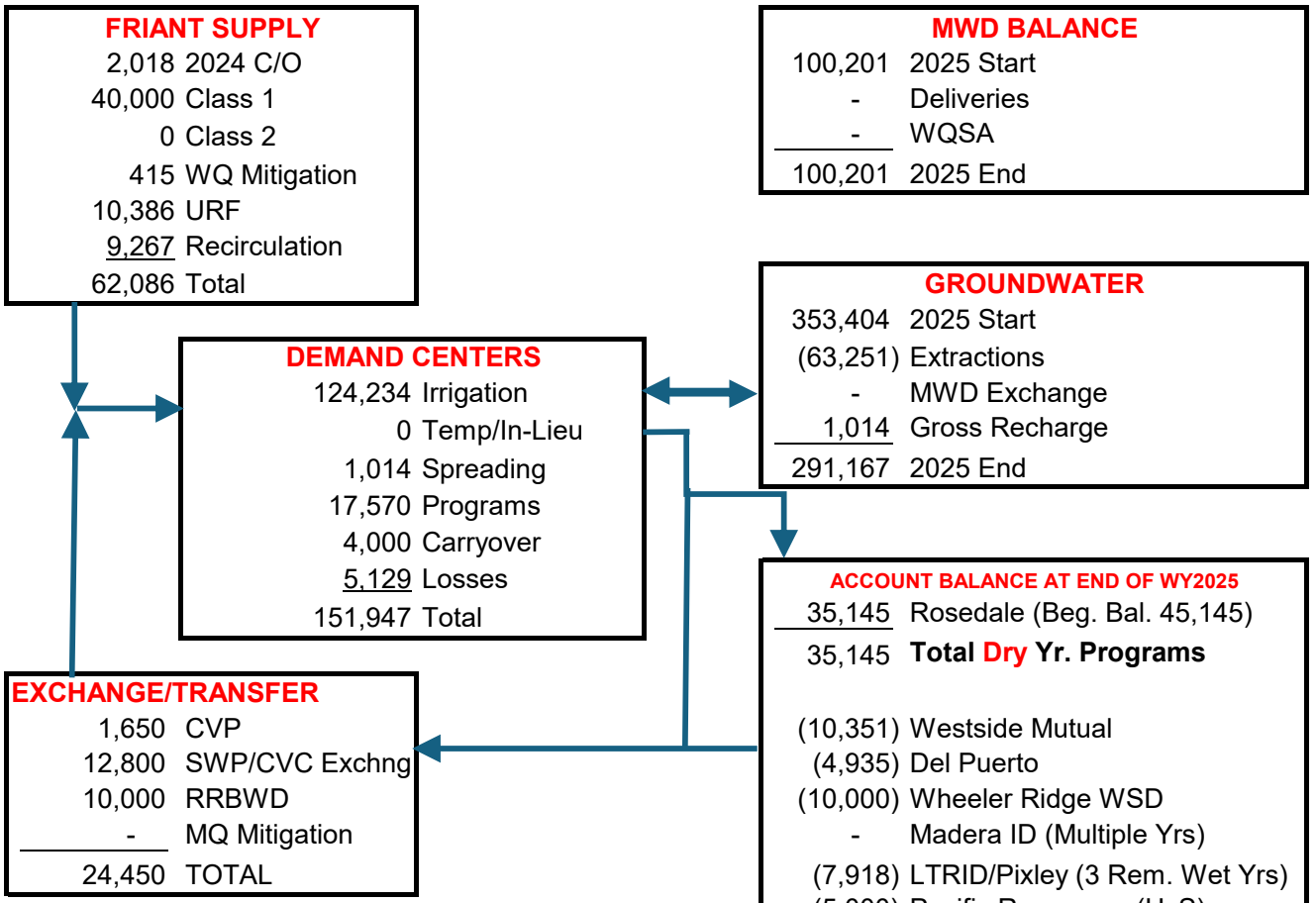
SUPPLY		***AF***	***%***
FRIANT-KERN (F-K)			
40,000 AF CLASS 1 (100%)		40,000	
URF TIER 1 BLOCK A (0.2% CLASS 2)		554	
URF TIER 1 BLOCK B (0.5% CLASS 2)		1,642	
URF TIER 2 BLOCK AA (0.9% CLASS 2)		2,669	
PRIORITY URF (1.8% CLASS 2)		5,521	
WATER QUALITY MITIGATION		415	
CARRYOVER OF 2024 WATER		2,018	
	SUBTOTAL	52,819	
MADERA IRRIGATION DISTRICT		-5,950	
KERN TULARE EXCHANGE		-3,000	
LOWER TULE ID & PIXLEY ID		-2,640	
CHOWCHILLA WSD EXCHANGE		-1,800	
FRESNO COUNTY		-600	
	SUBTOTAL	-13,990	
	TOTAL F-K	38,829	28.9%
CROSS VALLEY CANAL (CVC)			
ROSEDALE WSD		10,000	
SJRPP RECAPTURE RECIRCULATION		9,267	
KERN TULARE/ ID4 EXCHANGE		2,800	
CHOWCHILLA WSD EXCHANGE		2,160	
FRESNO COUNTY (55% CVP)		1,650	
DEL PUERTO WATER STORAGE DISTRICT		-3,209	
DROUGHT POOL PROGRAM		-371	
SLR 1% EVAPORATION & LOSSES		-177	
	TOTAL CVC	22,120	16.5%
INTERTIE PIPELINE (IPL)			
WHEELER RIDGE WSD		10,000	
	TOTAL IPL	10,000	7.5%
TOTAL IMPORT		**70,949**	**52.9%**
GROUNDWATER PUMPING			
IRRIGATION DEMAND		63,251	
	TOTAL PUMPING	63,251	47.1%
TOTAL WATER SUPPLY		**134,200**	**100.0%**

DEMAND		
IRRIGATION DEMAND (MARCH-JULY)	70,634	52.6%
IRRIGATION DEMAND (AUGUST-FEBRUARY)	53,600	39.9%
SPREADING (MARCH-JULY)	1,014	0.8%
SPREADING (AUGUST - FEBRUARY)	0	0.0%
OTHER TRANSFERS & EXCHANGES	0	0.0%
CARRYOVER TO 2025	4,000	3.0%
LOSSES/METERING INACCURACIES	4,952	3.7%
TOTAL DEMAND	**134,200**	**100.0%**

Exhibit "A-2"

ARVIN-EDISON WATER STORAGE DISTRICT

2025 WATER MANAGEMENT



Surface Water	60,983	49%
Groundwater (39% of Max)	63,251	51%
Projected Irrigation Demand	124,234	100%

EXHIBIT B-1

ARVIN-EDISON WATER STORAGE DISTRICT

2025 WATER YEAR DELIVERIES BY UNIT

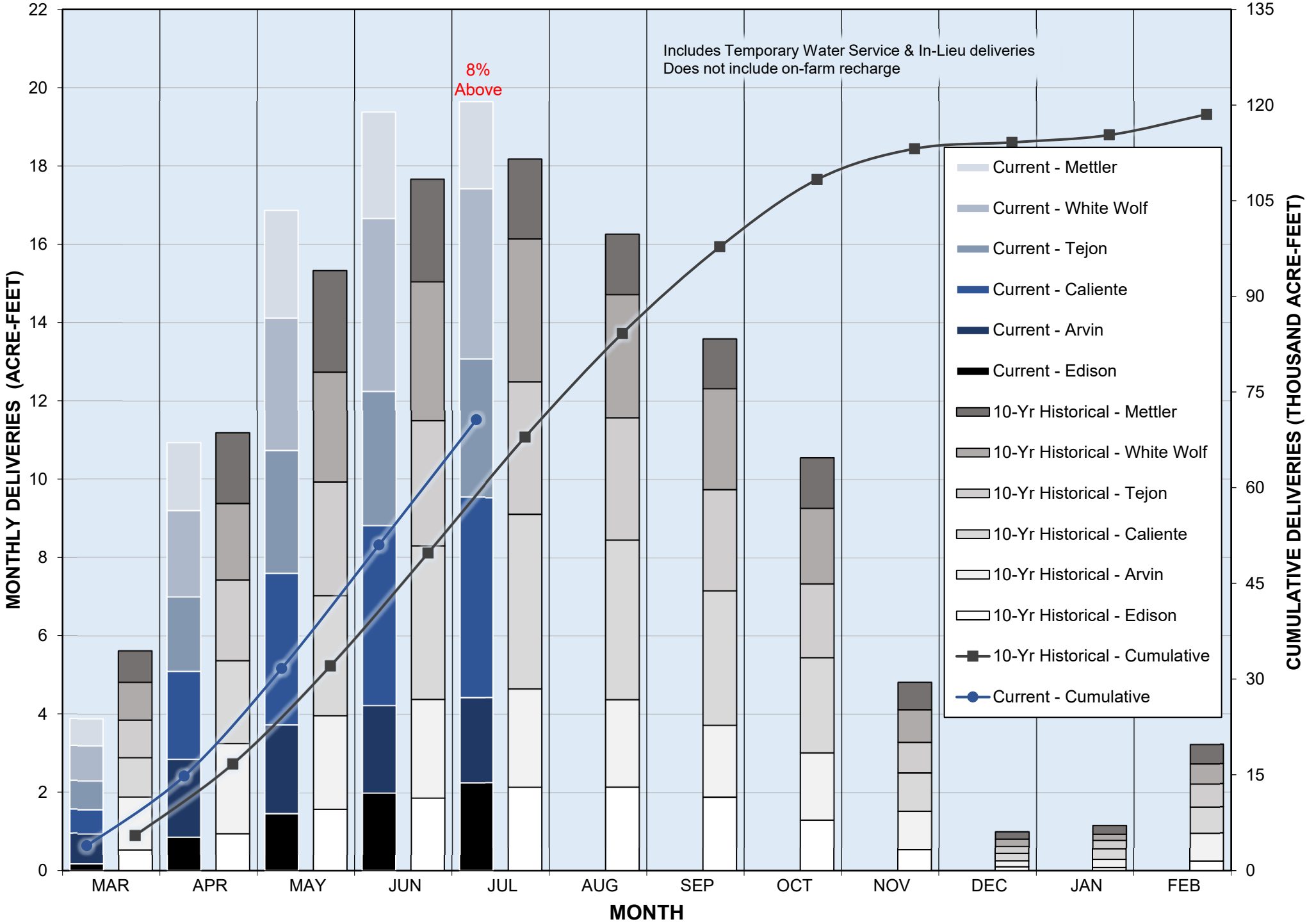


EXHIBIT B-2

ARVIN-EDISON WATER STORAGE DISTRICT

HISTORIC JULY DELIVERIES BY YEAR

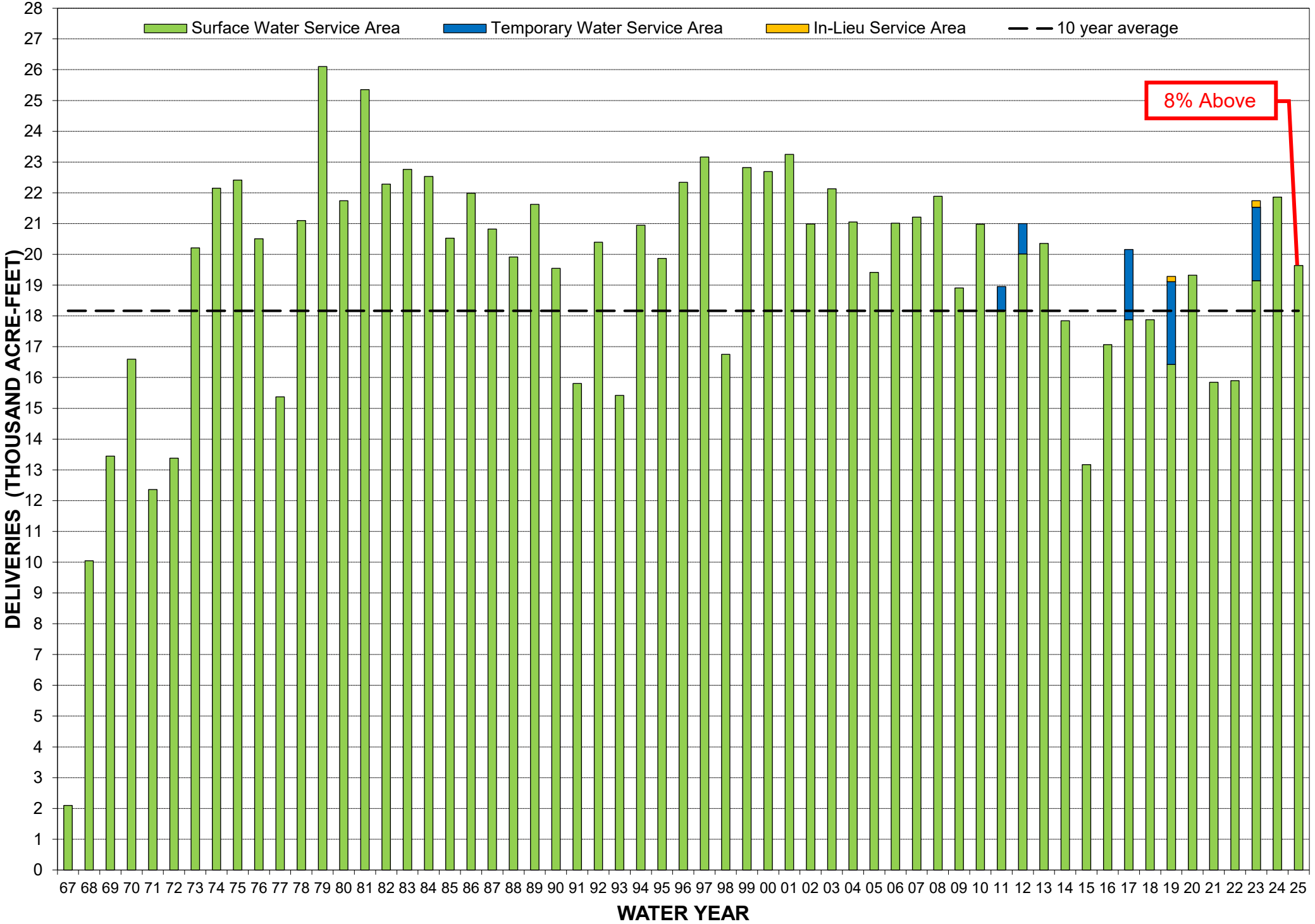


EXHIBIT B-3

ARVIN-EDISON WATER STORAGE DISTRICT

HISTORIC JULY DELIVERIES BY MAGNITUDE

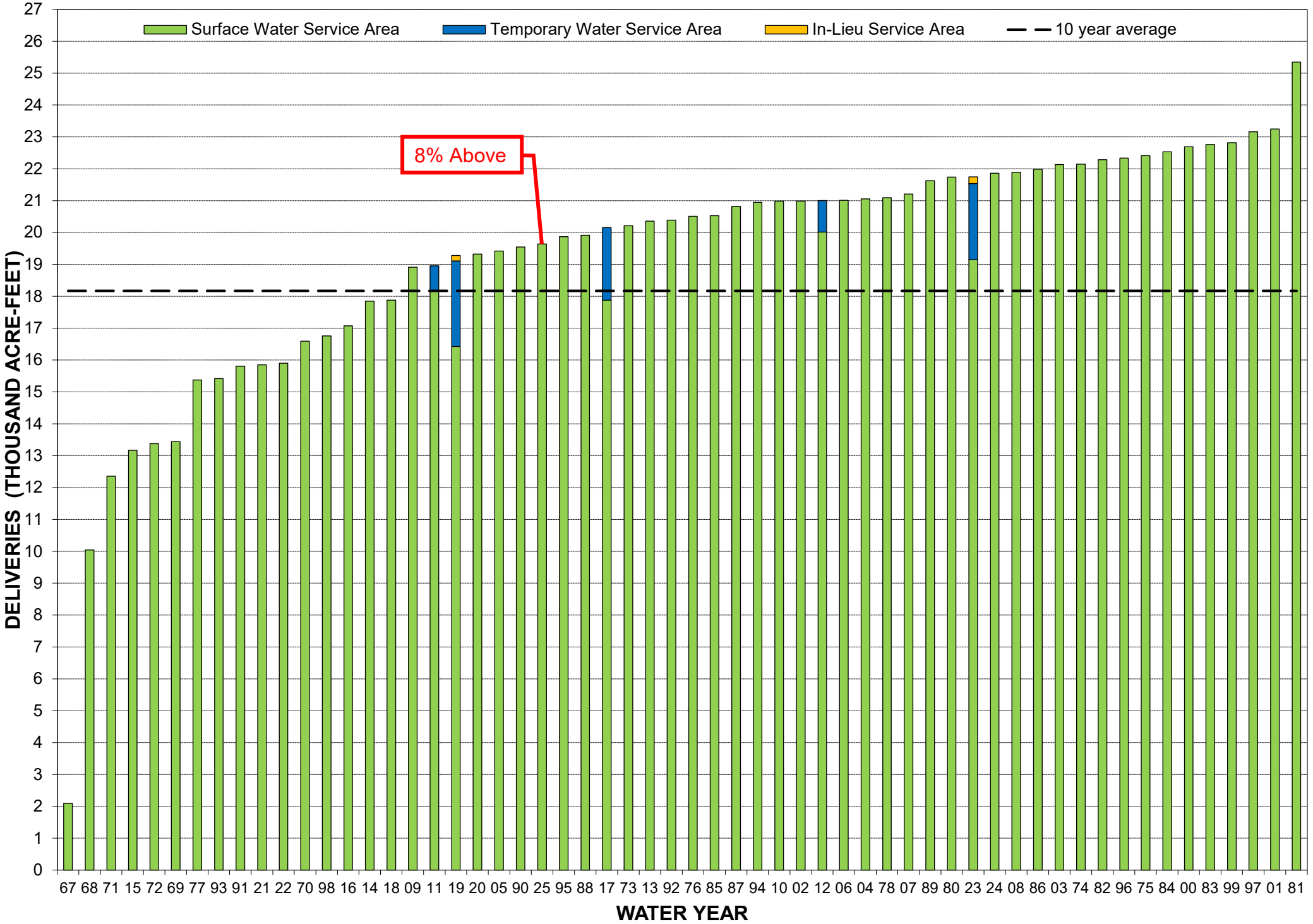


EXHIBIT "C1"

ARVIN-EDISON WATER STORAGE DISTRICT

WATER SUPPLY WATER QUALITY SUMMARY

	Date	Flow	Import	Calcium		Magnesium		Sodium		Bicarbonate		Chloride		Nitrate		TDS	pH	EC	Hardness	SAR	Gypsum	Boron	Turbidity
		cfs	Source	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l		umhos/cm	mg/l		lbs/AF	mg/l	NTU
Intake Canal	07/09/25	251	FKC (60%)/CVC (40%)	20.0	1.0	12.0	1.0	45.0	1.9	64	1.0	57.0	1.6	ND	ND	240	8.6	410	99	4.0	N/A	110.00	4.5
	06/17/25	201	FKC (50%)/CVC (50%)	17.0	0.9	9.9	0.8	33.0	1.4	70	1.1	41.0	1.2	ND	ND	190	8.1	340	84	5.0	0.1	110.00	5.1
	05/01/25	100	FKC (100%)	10.0	0.5	5.0	0.4	18.0	0.8	45.0	0.7	22.0	0.6	ND	ND	120.0	7.9	190.0	46.0	7.0	0.1	ND	6.6
	04/10/25	300	FKC (100%)	4.3	0.2	0.8	0.1	4.2	0.2	20.0	0.3	2.8	0.1	ND	ND	53.0	6.9	51.0	14.0	4.0	0.1	ND	28.2
	03/04/25	0	WELLS(100%)	19.0	1.0	9.6	0.8	34.0	1.5	58.0	1.0	38.0	1.1	ND	ND	290.0	9.2	340.0	88.0	4.4	0.1	110.0	13.0
	02/11/25	70	CVC (100%)	21.0	1.1	12.0	1.0	46.0	2.0	75.0	1.2	55.0	1.5	1.4	0.02	220.0	8.5	420.0	100.0	3.6	0.2	170.0	6.0
	01/07/25	0	RESIDUAL/DEWATERED	21.0	1.1	10.0	0.8	50.0	2.2	110.0	1.8	57.0	1.6	3.4	0.05	220.0	8.3	430.0	97.0	2.7	0.2	160.0	14.4
	12/11/24	25	CVC (100%)	18.0	0.9	9.0	0.7	37.0	1.6	110.0	1.8	49.0	1.4	1.1	0.02	190.0	7.3	350.0	81.0	4.1	0.2	100.0	22.0
	11/08/24	0	DOWN FOR MAINTENANCE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/15/24	30	FKC(100%)	7.1	0.4	3.2	0.3	11.0	0.5	44.0	0.7	13.0	0.4	ND	ND	74.0	8.2	130	31.0	5.7	0.07	ND	2.9
	09/17/24	50	FKC (50%)/CVC (50%)	14.0	0.7	8.1	0.7	26.0	1.1	81.0	1.3	32.0	0.9	ND	ND	150.0	8.5	260	68.0	5.2	0.10	ND	3.3
	08/14/24	101	CVC (100%)	9.3	0.5	4.8	0.4	16.0	0.7	37.0	0.6	19.0	0.5	ND	ND	110.0	8.5	160	43.0	6.5	0.07	ND	7.2
	07/25/24	260	FKC (71%)/CVC (29%)	7.1	0.4	1.9	0.2	9.5	0.4	27	0.4	8.8	0.2	ND	ND	76	19.9	99	26	6.0	0.04	ND	2.6
	06/07/24	840	FKC (100%)	3.7	0.2	0.6	0.1	4.1	0.2	16	0.3	1.4	0.0	ND	ND	19	7.2	41	12	4.4	0.04	ND	3.7
	Average			**13.2**	**0.7**	**6.7**	**0.5**	**25.7**	**1.1**	**58.2**	**1.0**	**30.5**	**0.9**	**2.0**	**0.0**	**150.2**	**9.0**	**247.8**	**60.7**	**4.8**	**0.1**	**126.7**	**9.2**
North Canal	07/09/25	40	FKC (44%)/CVC (29%)/WELLS(27%)	24.0	1.2	7.9	0.6	52.0	2.2	87.0	1.4	39.0	1.1	6.9	0.1	240.0	8.4	410.0	92.0	4.1	N/A	340.0	5.1
	06/17/25	106	FKC (30%)/CVC (30%)/WELLS(40%)	33.0	1.7	9.8	0.8	48.0	2.1	100.0	1.6	37.0	1.0	11.0	0.2	290.0	8.3	470.0	120.0	0.7	0.2	330.0	4.9
	05/01/25	82	FKC (46%)/WELLS(54%)	29.0	1.5	8.4	0.7	52.0	2.2	97.0	1.6	41.0	1.2	7.8	0.1	270.0	8.4	460.0	110.0	1.9	0.3	390.0	6.3
	04/10/25	148	FKC (98%)/WELLS(2%)	6.4	0.3	1.0	0.1	5.8	0.3	26.0	0.4	3.4	0.1	ND	ND	32.0	7.2	71.0	20.0	4.4	0.1	ND	13.9
	03/04/25	28	WELLS(100%)	19.0	1.0	4.0	0.3	39.0	1.7	87.0	1.4	20.0	0.6	7.9	0.1	260.0	8.4	320.0	64.0	7.1	0.3	210.0	3.7
	02/11/25	8	CVC (100%)	44.0	2.2	10.0	0.8	73.0	3.1	120.0	2.0	43.0	1.2	27.0	0.4	360.0	8.3	620.0	150.0	ND	0.3	560.0	10.8
	01/07/25	58	WELLS(100%)	18.0	0.9	3.5	0.3	27.0	1.2	120.0	2.0	13.0	0.4	5.8	0.1	120.0	7.5	240.0	59.0	5.3	0.2	120.0	3.7
	12/11/24	0	DOWN FOR MAINTENANCE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/08/24	0	WELLS(100%)	22.0	1.1	4.3	0.4	29.0	1.3	96.0	1.6	12.0	0.3	8.4	0.1	180.0	7.5	300	74.0	48.0	0.2	ND	1.9
	10/15/24	48	FKC(23%)/WELLS(77%)	20.0	1.0	4.0	0.3	35.0	1.5	100.0	1.6	18.0	0.5	8.3	0.1	170.0	8.1	300	67.0	5.8	0.3	200.0	4.0
	09/17/24	38	FKC (17%)/CVC (17%)/WELLS(66%)	20.0	1.0	4.6	0.4	37.0	1.6	92.0	1.5	21.0	0.6	7.2	0.1	200.0	8.2	310	69.0	6.2	0.2	230.0	2.7
	08/14/24	164	CVC (47%)/WELLS(53%)	17.0	0.9	4.4	0.4	28.0	1.2	73.0	1.2	19.0	0.5	4.6	0.1	160.0	8.2	250	60.0	6.7	0.2	180.0	8.9
	07/25/24	243	FKC (50%)/CVC (20%)/WELLS(30%)	16.0	0.8	3.6	0.3	27.0	1.2	66.0	1.1	16.0	0.4	4.4	0.1	150.0	8.2	230	54.0	7.4	0.1	220.0	8.5
	06/07/24	800	FKC (100%)	3.8	0.19	0.6	0.05	4.0	0.17	16	0.26	1.5	0.04	ND	ND	16	7.3	44	12	4.3	0.04	ND	6.7
	Average			**20.9**	**1.0**	**5.1**	**0.4**	**35.1**	**1.5**	**83.1**	**1.4**	**21.8**	**0.6**	**9.0**	**0.1**	**188.3**	**8.0**	**309.6**	**73.2**	**8.5**	**0.2**	**278.0**	**6.2**
South Canal	06/16/25	134	FKC (42%)/CVC (29%)/WELLS(29%)	25.0	1.3	8.0	0.7	45.0	1.9	100.0	1.6	33.0	0.9	5.9	0.1	220.0	8.3	380.0	96.0	3.2	N/A	250.0	3.3
	07/09/25	274	FKC (27.7%)/CVC (27.7%)/WELLS(44.6%)	29.0	1.5	7.3	0.6	51.0	2.2	110.0	1.8	33.0	0.9	7.4	0.1	270.0	8.1	440.0	100.0	1.8	0.3	380.0	3.1
	05/01/25	70	FKC (42%)/WELLS(58%)	26.0	1.3	7.2	0.6	49.0	2.1	96.0	1.6	33.0	0.9	13.0	0.2	240.0	8.2	420.0	95.0	3.4	0.3	400.0	2.8
	04/10/25	130	FKC (98%)/WELLS(2%)	7.0	0.4	1.1	0.1	5.9	0.3	27.0	0.4	3.4	0.1	ND	ND	32.0	7.0	75.0	22.0	4.3	0.1	ND	15.9
	03/04/25	16	WELLS(100%)	20.0	1.0	5.0	0.4	44.0	1.9	88.0	1.4	25.0	0.7	6.4	0.1	180.0	8.7	350.0	71.0	6.1	0.3	290.0	7.5
	02/11/25	0	CVC (100%)	34.0	1.7	6.8	0.6	74.0	3.2	110.0	1.8	38.0	1.1	14.0	0.2	320.0	8.0	540.0	110.0	ND	0.4	630.0	6.1
	01/07/25	0	SPILLWAY(AQUEDUCT-100%)	16.0	0.8	3.8	0.3	27.0	1.2	110.0	1.8	13.0	0.4	4.1	0.1	140.0	8.0	240.0	56.0	6.2	0.2	140.0	9.5
	12/11/24	0	DOWN FOR MAINTENANCE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/08/24	0	WELLS(100%)	16.0	0.8	8.3	0.7	30.0	1.3	73.0	1.2	37.0	1.0	ND	ND	170.0	7.7	320	74.0	5.6	0.1	100.0	4.1
	10/15/24	0	FKC(23%)/WELLS(77%)	21.0	1.1	5.8	0.5	32.0	1.4	110.0	1.8	18.0	0.5	4.2	0.1	220.0	8.2	300	76.0	4.5	0.2	140.0	2.5
	09/17/24	20	FKC (16%)/CVC (16%)/WELLS(67%)	15.0	0.8	6.1	0.5	39.0	1.7	61.0	1.0	22.0	0.6	4.7	0.1	200.0	8.9	300	62.0	7.6	0.2	260.0	5.8
	08/14/24	152	CVC (38%)/WELLS(62%)	23.0	1.2	6.6	0.5	34.0	1.5	89.0	1.5	29.0	0.8	5.5	0.1	190.0	8.2	330	85.0	4.4	0.2	180.0	3.1
	07/25/24	182	FKC (45%)/CVC (18%)/WELLS(37%)	20.0	1.0	4.9	0.4	30.0	1.3	81.0	1.3	22.0	0.6	5.1	0.1	180.0	8.0	280	70.0	5.7	0.2	180.0	4.5
	06/07/24	300	FKC (100%)	3.9	0.20	0.6	0.05	4.0	0.17	16	0.26	1.5	0.04	ND	ND	21	7.2	42	12	4.2	0.04	ND	8.3
	Average			**19.7**	**1.0**	**5.5**	**0.5**	**35.8**	**1.5**	**82.4**	**1.4**	**23.7**	**0.7**	**7.0**	**0.1**	**183.3**	**8.0**	**309.0**	**71.5**	**4.8**	**0.2**	**268.2**	**5.9**

EXHIBIT "C1"

ARVIN-EDISON WATER STORAGE DISTRICT

WATER SUPPLY WATER QUALITY SUMMARY

	Date	Flow	Import	Calcium		Magnesium		Sodium		Bicarbonate		Chloride		Nitrate		TDS	pH	EC	Hardness	SAR	Gypsum	Boron	Turbidity
		cfs	Source	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l		umhos/cm	mg/l		lbs/AF	mg/l	NTU
Intertie Pipeline	07/09/25	63	FKC (36%)/CVC (24%)/WELLS(25%)/Aqueduct(15%)	20.0	1.0	11.0	0.9	43.0	1.9	70	1.1	56.0	1.6	1.0	0.0	230	8.1	400	N/A	4.2	N/A	130.00	8.0
	06/17/25	40	FKC (27.7%)/CVC (27.7%)/WELLS(44.6%)	25.0	1.3	8.5	0.7	49.0	2.1	88	1.4	36.0	1.0	5.0	0.1	250	8.6	410	97	3.1	0.2	360.00	4.0
	05/01/25	40	FKC (36%)/WELLS(49%)/SPILLWAY(14%)	22.0	1.1	5.4	0.4	42.0	1.8	83.0	1.4	25.0	0.7	5.7	0.1	220.0	8.6	350.0	77.0	5.2	0.3	370.0	6.3
	04/10/25	0	FKC (98%)/WELLS(2%)	8.7	0.4	1.2	0.1	6.3	0.3	31.0	0.5	3.6	0.1	ND	ND	61.0	7.3	84.0	27.0	4.0	0.1	ND	12.4
	03/04/25	0	WELLS(100%)	24.0	1.2	7.3	0.6	41.0	1.8	87.0	1.4	29.0	0.8	5.1	0.1	280.0	8.6	370.0	90.0	3.9	0.2	210.0	13.2
	02/11/25	0	CVC (100%)	19.0	1.0	6.2	0.5	45.0	1.9	74.0	1.2	35.0	1.0	3.3	0.1	200.0	8.8	340.0	73.0	6.5	0.2	270.0	13.5
	01/07/25	0	SPILLWAY(AQUEDUCT-100%)	19.0	1.0	12.0	1.0	55.0	2.4	93.0	1.5	83.0	2.3	2.0	0.0	230.0	7.8	480.0	97.0	3.1	0.2	120.0	6.0
	12/11/24	0	DOWN FOR MAINTENANCE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/08/24	100	WELLS(51%)/AQUEDUCT(49%)	14.0	0.7	8.8	0.7	30.0	1.3	65.0	1.1	48.0	1.3	ND	ND	170.0	7.2	320	72.0	6.0	0.2	ND	5.4
	10/15/24	100	FKC(13%)/WELLS(44%)/AQUEDUCT(43%)	15.0	0.8	9.4	0.8	31.0	1.3	75.0	1.2	42.0	1.2	ND	ND	220.0	7.5	310	77.0	5.3	0.1	ND	4.4
	09/17/24	100	FKC (10%)/CVC (10%)/WELLS(40%)/AQUEDUCT(40%)	13.0	0.7	7.9	0.6	26.0	1.1	65.0	1.1	33.0	0.9	ND	ND	160.0	8.1	260	65.0	6.0	0.1	ND	6.5
	08/14/24	0	CVC (38%)/WELLS(62%)	23.0	1.2	6.5	0.5	35.0	1.5	81.0	1.3	28.0	0.8	4.9	0.1	200.0	8.5	330	83.0	4.5	0.2	220.0	3.8
	07/25/24	0	FKC (45%)/CVC (18%)/WELLS(37%)	22.0	1.1	5.8	0.5	31.0	1.3	69.0	1.1	24.0	0.7	5.8	0.1	190.0	20.1	300	78.0	5.1	0.2	200.0	3.4
	06/07/24	-120	FKC (100%)	3.7	0.19	0.6	0.05	4.1	0.18	16	0.26	2.0	0.06	ND	ND	21	7.2	44	12	4.4	0.04	ND	9.5
	Average			**17.6**	**0.9**	**7.0**	**0.6**	**33.7**	**1.5**	**69.0**	**1.1**	**34.2**	**1.0**	**4.1**	**0.1**	**187.1**	**9.0**	**307.5**	**70.7**	**4.7**	**0.2**	**235.0**	**7.4**

Water Supply Water Quality Note: [1] Positive flow rate is reverse flow into the District. Where the reported value is ND, the method detection limit is entered.

Water Supply Water Quality Note: [2] Reverse flow into the District South Canal (Sycamore check gate was closed).

Water Supply Water Quality Note: [3] Constituent ran past sample hold time.

ND: NONE DETECTED.
N/A: NOT AVAILABLE OR NOT TESTED.
PR: PENDING RESULTS

mg/l: MILLIGRAMS PER LITER; SAME AS PARTS PER MILLION
me/l: MILLEQUIVALENTS PER LITER; SAME AS EQUIVALENTS

INTAKE: SAMPLE TAKEN AT COTTONWOOD RD. SOUTH OF PANAMA LANE.
NORTH: SAMPLE TAKEN DOWNSTREAM OF SYCAMORE CHECK GATE.
SOUTH: SAMPLE TAKEN DOWNSTREAM OF TEJON CHECK GATE.
INTERTIE: TERMINUS OF SOUTH CANAL (S93 FOREBAY).

SODIUM: FOR SURFACE IRRIGATION: SAR < 3 IS GOOD. FOR SPRINKLER IRRIGATION: SODIUM < 3 me/l IS GOOD.

NITRATE: NITRATE IN WATER SLIGHTLY REDUCES FERTILIZER REQUIREMENT.

BICARBONATE: BICARBONATE < 1.5 me/l IS SATISFACTORY FOR OVERHEAD SPRINKLERS.

CHLORIDE: FOR SURFACE IRRIGATION CHLORIDE < 4 me/l IS GOOD.

TDS: TDS < 450 IS ACCEPTABLE FOR UNRESTRICTED USE.

GYPSUM: AMOUNT OF CALCIUM SULFATE IN POUNDS PER ACRE-FOOT OF WATER APPLIED. INCREASES WATER PERMEABILITY AND HELPS CORRECT EXCESS SODIUM. INCREASES CLAY FLOCCULATION FOR INCREASING PERMEABILITY.

pH: A MEASURE OF ACIDITY. A pH < 7 IS ACIDIC, pH = 7 IS NEUTRAL, pH > 7 IS BASIC. NORMAL RANGE IS 6.5 - 8.4. A pH > 8 MAY NEED TO BE BUFFERED FOR PESTICIDE APPLICATION. AFFECTS NUTRIENT AVAILABILITY.

EC: ELECTRICAL CONDUCTIVITY. A MEASURE OF WATER SALINITY; SOIL - IN MILLIMHOS PER CENTIMETER (mmho/cm); WATER - MORE OFTEN, IN MICROMHOS PER CENTIMETER (umhos/cm). EC < 700 (umhos/cm) HAS NO RESTRICTIONS FOR AGRICULTURAL USE. EC < 200 (umhos/cm) CAN REDUCE INFILTRATION RATE.

HARDNESS: HARD WATER, INDICATING CALCIUM AND MAGNESIUM, IS BENEFICIAL FOR AGRICULTURE.

SAR: SODIUM ADSORPTION RATIO. A RATIO OF SODIUM TO CALCIUM AND MAGNESIUM.
EVALUATE WITH EC.
SAR = 0 - 3 AND EC > 400 ACCEPTABLE
SAR = 3 - 6 AND EC > 900 ACCEPTABLE

BORON: BORON < 0.50 mg/l IS SATISFACTORY FOR ALL CROPS. EXCESSIVE BORON IS PHYTOTOXIC (BURNS) TO PLANTS.

EXHIBIT "C-2"

ARVIN-EDISON WATER STORAGE DISTRICT

2025 AQUATIC PEST CONTROL TREATMENTS TO CANALS & SPREADING BASINS

Treatment Weeks (Monday)		Temps	Intake	North						South									
			Stine Siphon	Bal. Res.	PP 24P1	NCSW	PP 41P1	PP 55P1	Syc. Ponds	Syc. Check	PP 32P1	PP 38P1	Tej. Ponds	Tej. Check	615 Check	729 Check	883 Check	Spill Way	Intertie Forbay
			353+87	145+00	237+00	326+50	413+10	546+00	576+50	664+30	291+50	386+30		458+40	615+00	729+10	883+00	885+45	900+27
JAN	01/06/25	36-62																	
	01/13/25																		
	01/20/25																		
	01/27/25																		
FEB	02/03/25	44-67																	
	02/10/25																		
	02/17/25																		
	02/24/25																		
MAR	03/03/25	46-68																	
	03/10/25																		
	03/17/25																		
	03/24/25																		
	03/31/25																		
APR	04/07/25	53-76																	
	04/14/25							5		50	50								
	04/21/25																		
	04/28/25																		
MAY	05/05/25	60-87						5		40	40								
	05/12/25																		
	05/19/25																		
	05/26/25									47	47								
JUN	06/02/25	58-102																	
	06/09/25																		
	06/16/25									45	45		29			17			
	06/23/25																		
	06/30/25												31			11			
JUL	07/07/25	69-97								42	42		9			8			
	07/14/25											18			11				
	07/21/25											20				10			
	07/28/25																		
AUG	08/04/25																		
	08/11/25																		
	08/18/25																		
	08/25/25																		
SEPT	09/01/25																		
	09/08/25																		
	09/15/25																		
	09/22/25																		
	09/29/25																		
OCT	10/06/25																		
	10/13/25																		
	10/20/25																		
	10/27/25																		
NOV	11/03/25																		
	11/10/25																		
	11/17/25																		
	11/24/25																		
DEC	12/01/25																		
	12/08/25																		
	12/15/25																		
	12/22/25																		
	12/29/25																		

2025 Cost To Date

Treatment	Material	Labor	Total
Captain/Nautique	$0	$0	$0
Phycomycin	$0	$0	$0
Cascade	$0	$0	$0
Teton/Hydrothol	$79,781	$9,139	$88,920
Spreading Basins	$0	$0	$0
Total	$79,781	$9,139	$88,920

Shaded weeks are actual
Copper treatment (gal/lbs) for algae and pondweed (injected/broadcast)
Phycomycin (hydrogen peroxide) treatment (lbs) for algae (broadcast)
Endothall treatment (gal) for milfoil/basins (injected)
Endothall treatment (gal) for algae (injected)
Sonar/Clearcast/RoundUp Custom/MSO (gal)
Winter Maintenance

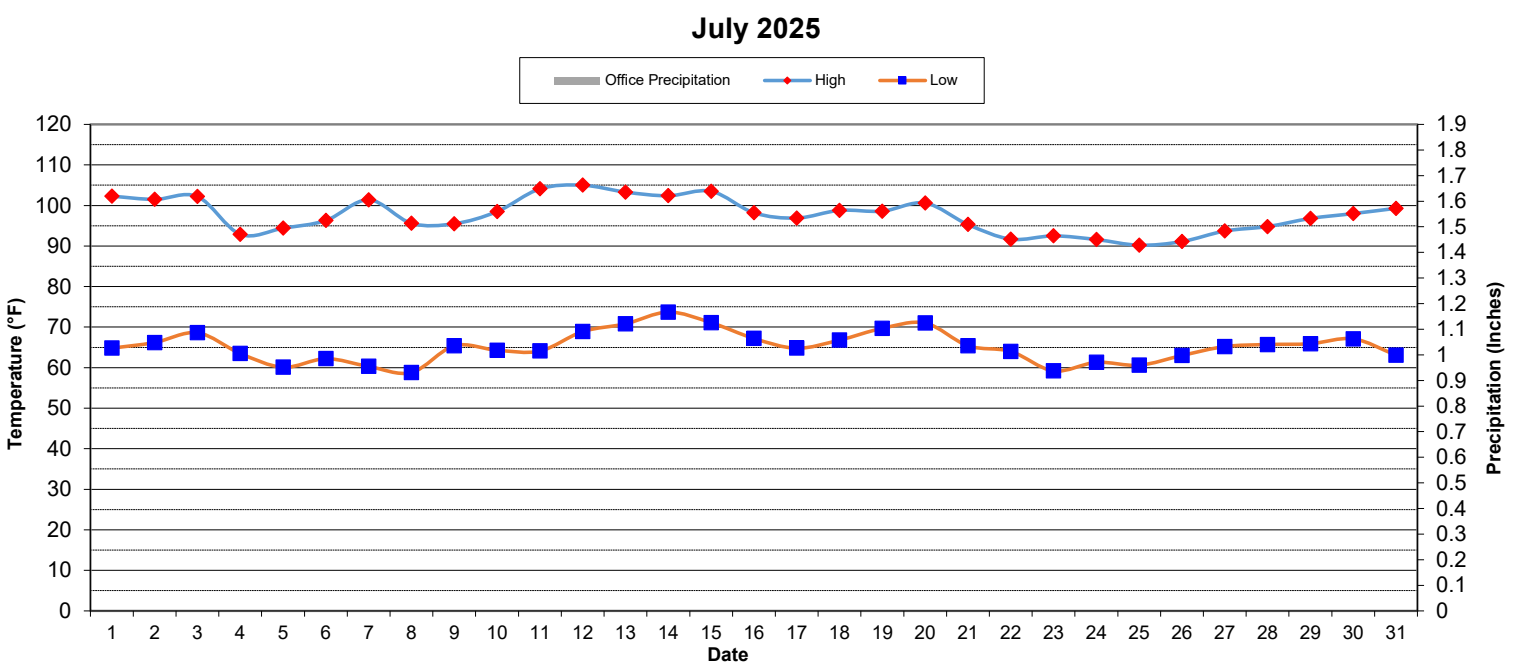
Year	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Year Type	Dry	Normal-Wet	Wet	Normal-Dry	Critical-High	Dry	Wet	Normal-Dry	Wet	Normal-Dry	Critical-Low	Critical-High	Dry	Dry	Wet	Normal-Wet	Normal-Wet	Normal-Dry	Dry	Wet	Wet
Amount	$88,920	$88,978	$253,046	$461,593	$420,296	$399,808	$105,928	$235,599	$222,685	$186,034	$262,734	$367,563	$528,770	$504,159	$233,449	$24,969	$226,466	$341,506	$464,165	$341,920	$89,797

Average by WY Type	Critical-High	Critical-Low	Dry	Normal-Dry	Normal-Wet	Wet
	$393,929	$262,734	$474,226	$232,694	$113,471	$207,804

EXHIBIT "D"

ARVIN-EDISON WATER STORAGE DISTRICT

SUMMARY OF CLIMATOLOGICAL OBSERVATIONS



PRECIPITATION	BAL RES (1)		OFFICE (2)		SYCAMORE (3)		TEJON (4)		INTERTIE (5)	
	INCHES	% AVG.	INCHES	% AVG.	INCHES	% AVG.	INCHES	% AVG.	INCHES	% AVG.
AVG. MONTHLY	0.00		0.02		0.02		0.02		0.00	
AVG. YEAR TO DATE	0.00		0.02		0.02		0.02		0.00	
CURRENT MONTH	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
CUMULATIVE (07/01/25 - 06/30/26)	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%

TEMPERATURE (6)	(ºF)	DATE	TIME
MAXIMUM TEMPERATURE	105	7/12/2025	4:00 PM
AVERAGE MAXIMUM TEMPERATURE	98		
# DAYS THIS MONTH ABOVE 100 ºF	10		
MINIMUM TEMPERATURE	59	7/8/2025	4:00 AM
AVERAGE MINIMUM TEMPERATURE	65		
# DAYS THIS MONTH BELOW 32 ºF	0		

WIND (6)	M.P.H.	DATE	TIME	DRCTN
MAXIMUM WIND SPEED	4.8	7/3/2025	6:30 PM	NE
AVERAGE WIND SPEED	4.0			
AVERAGE WIND SPEED @ 8:00 AM	4.3			

BAROMETRIC PRESSURE (7)	IN. HG	DATE	TIME
AVERAGE PRESSURE @ 8:00 AM	29.38		
MAXIMUM PRESSURE	29.60	7/5/2025	9:00 AM
MINIMUM PRESSURE	29.20	7/1/2025	8:00 PM

NOTES

(1) October 2018 to Present data gathered from District rain gauges
(2) 1975 to Present data gathered from District rain gauges
(3) 1968 to Present data gathered from District rain gauges
(4) 1967 to Present data gathered from District rain gauges
(5) October 2018 to Present data gathered from District rain gauges
(6) Data retrieved from CIMIS (http://www.cimis.water.ca.gov/WSNReportCriteria.aspx) (125 Arvin-Edison)
(7) Data retrieved from Weather Underground (https://www.wunderground.com/us/ca/arvin/zmw:93203.1.99999)
Precipitation Day is 8:00 AM to 8:00 AM

EXHIBIT "E"

ARVIN-EDISON WATER STORAGE DISTRICT

WY2025 ENERGY CONSUMPTION AND POWER DEMAND

	ENERGY CONSUMED - KWH						TOTAL DEMAND - KW						
Month	Forrest Frick PP	Distrib. System	Spreading	Wells	Intertie PP	Total	Forrest Frick PP	Distrib. System	Spreading	Wells	Intertie PP	Total	Load Factor
MAR 25	98,158	1,181,591	1,339	3,002,380	3,235	4,286,703	1,214	11,390	89	12,647	5	25,345	23%
APR	1,574,485	3,476,794	20,963	3,569,188	3,310	8,644,741	5,390	14,147	1,734	7,998	5	29,275	41%
MAY	2,132,302	5,523,953	23,656	6,556,012	3,253	14,239,176	4,962	15,442	366	9,458	5	30,234	63%
JUN	2,300,912	6,122,900	40,162	7,539,646	3,077	16,006,697	5,392	15,424	354	11,589	5	32,763	68%
JUL	2,543,456	6,559,900	7,680	4,944,401	4,076	14,059,513	5,361	15,495	350	7,152	8	28,367	67%
AUG													
SEP													
OCT													
NOV													
DEC													
JAN 26													
FEB													
TOTAL	8,649,313	22,865,137	93,799	25,611,627	16,952	57,236,828							

Notes: - Since 2005 KW records reflect non-simultaneous demands.

- Energy use for lighting accounts for approximately 90,000 kWh/month at District wellfields and 4,000 kWh/month at the Intertie Pumping Plant

8/4/2025

EXHIBIT "F"

ARVIN-EDISON WATER STORAGE DISTRICT

2025 WATER YEAR WELLFIELD PRODUCTION - AF

Month	Bal Res		North Canal 5		Wellfield						Total		
					North		Sycamore		Tejon				
	AF	% of Historical Max	AF	% of Historical Max	AF	% of Historical Max	AF	% of Historical Max	AF	% of Historical Max	AF	AF / Day	% of Historical Max
MAR - 25	0	0%	384	32%	1,261	49%	1,431	22%	668	12%	3,744	121	24%
APR	0	0%	484	40%	1,339	44%	2,076	30%	548	11%	4,447	148	30%
MAY	0	0%	869	70%	2,328	63%	3,839	53%	1,092	20%	8,128	262	54%
JUN	0	0%	812	40%	2,885	78%	3,629	181%	1,692	85%	9,018	291	60%
JUL	0	0%	690	55%	2,696	71%	2,155	29%	523	10%	6,064	196	37%
AUG		0%		0%		0%		0%		0%	0	0	0%
SEP		0%		0%		0%		0%		0%	0	0	0%
OCT		0%		0%		0%		0%		0%	0	0	0%
NOV		0%		0%		0%		0%		0%	0	0	0%
DEC		0%		0%		0%		0%		0%	0	0	0%
JAN - 26		0%		0%		0%		0%		0%	0	0	0%
FEB		0%		0%		0%		0%		0%	0	0	0%
Total	0		3,239		10,509		13,130		4,523		31,401	85	17%
Ratio	0%		10%		34%		42%		14%		100%	Average	
Wells	4		5		14		34		29		86		

EXHIBIT "G-1"

ARVIN-EDISON WATER STORAGE DISTRICT

2025 WATER YEAR GROSS SPREADING - AF

Month	Eastside Canal Sunset	Bal Res	North Gravity	North Pressure	Sycamore	Tejon Gravity	Tejon Pressure	Caltrans & Caliente	Landowner Recharge	Subtotal	In-Lieu	Temporary Water	Total
MAR-25	0	0	0	0	0	0	0	0	0	0	0	0	0
APR	0	189	0	0	0	0	33	0	0	222	0	0	222
MAY	0	174	0	0	0	0	0	0	0	174	0	0	174
JUN	0	500	0	0	0	0	0	0	0	500	0	0	500
JUL	0	118	0	0	0	0	0	0	0	118	0	0	118
AUG										0			0
SEP										0			0
OCT										0			0
NOV										0			0
DEC										0			0
JAN-26										0			0
FEB										0			0
Total	0	981	0	0	0	0	33	0	0	1,014	0	0	1,014
Ratio													
Ratio													

Total Pressure		981		0			33			1,014			1,014

EXHIBIT "H-1"

ARVIN-EDISON WATER STORAGE DISTRICT

STATIC VS PUMPING WATER LEVELS IN DISTRICT WELLS - JUL 2025

ALL VALUES IN FEET

	WELL #	STATIC LEVEL	PUMPING LEVEL	BOWL [1] DEPTH	TOTAL DEPTH	DRAW [2 3] DOWN	BOWL [4] COVERAGE
NORTH CANAL (23)	N1	472	579	610	840	107	31
	N2	448	578	700	840	129	122
	N3	386	414	610	840	28	196
	N4	446	469	550	864	23	81
	N5	458	470	650	864	12	180
	N6	458	501	640	920	43	139
	N7	468	494	600	1010	25	106
	N8	412	458	560	970	46	102
	N9	448	557	700	990	109	143
	N10	423	499	560	990	76	61
	N11	414	463	562	1020	49	99
	N12	461	491	600	1030	30	109
	N13	466	498	600	1000	32	102
	N14	443	466	540	900	23	74
	N15	388	534	700	1200	146	166
	N16	405	519	600	1200	114	81
	N17	N/A	N/A	610	1200	N/A	N/A
	N18	354	414	610	1190	60	196
	N19	474	517	760	1300	44	243
	N20	418	492	820	1020	74	328
	N21	444	547	660	950	103	113
	N22	441	468	680	990	27	212
	N23	432	453	680	990	21	227
	Avg	435	495				

	WELL #	STATIC LEVEL	PUMPING LEVEL	BOWL [1] DEPTH	TOTAL DEPTH	DRAW [2 3] DOWN	BOWL [4] COVERAGE
TEJON (28)	71	500	534	800	1050	35	266
	72	488	504	800	1045	16	296
	73	490	525	800	1018	35	275
	74	484	537	800	1084	53	263
	75	493	511	800	1045	18	289
	76	478	529	700	996	51	171
	77	474	555	800	1066	81	245
	78	474	537	800	1038	62	263
	79	455	566	700	1032	111	134
	80	470	562	800	996	92	238
	81	360	464	700	925	104	236
	82	474	525	800	996	51	275
	83	442	N/A	N/A	N/A	N/A	N/A
	84	N/A	N/A	700	955	N/A	N/A
	86	511	544	800	996	32	256
	87	507	537	800	984	30	263
	88	507	539	800	948	32	261
	89	486	520	800	996	35	280
	90	564	598	700	996	35	102
	92	525	576	800	996	51	224
	93	504	513	800	996	9	287
	94	580	678	860	996	97	182
	95	470	N/A	N/A	N/A	N/A	N/A
	96	493	636	800	996	143	164
	98	407	455	760	1340	49	305
	99	489	515	760	1340	26	245
	100	468	514	760	1340	46	246
	101	464	526	760	1310	62	234
	Avg	486	540				

	WELL #	STATIC LEVEL	PUMPING LEVEL	BOWL [1] DEPTH	TOTAL DEPTH	DRAW [2 3] DOWN	BOWL [4] COVERAGE
SYCAMORE (34)	1	435	469	705	800	35	236
	2	327	459	690	876	132	231
	4	451	487	700	876	37	213
	5	466	473	720	876	7	247
	6	399	457	690	876	58	233
	7	439	487	700	830	49	213
	8	438	N/A	N/A	N/A	N/A	N/A
	9	453	501	700	886	49	199
	10	429	443	690	850	14	247
	11	434	476	700	880	42	224
	12	451	490	700	860	39	210
	13	N/A	N/A	700	850	N/A	N/A
	14	381	427	670	810	46	243
	15	437	518	710	820	81	192
	16	437	520	700	888	83	180
	17	389	595	650	820	206	55
	18	410	433	650	820	23	217
	20	419	454	680	804	35	226
	21	417	475	690	856	58	215
	22	409	437	610	792	28	173
	23	406	441	600	788	35	159
	24	416	451	580	780	35	129
	25	414	441	610	777	28	169
	26	406	471	690	816	65	219
	28	383	443	660	782	60	217
	29	417	461	690	787	44	229
	31	422	489	660	725	67	171
	32	N/A	N/A	640	739	N/A	N/A
	33	444	559	700	780	116	141
	34	428	N/A	N/A	N/A	N/A	N/A
	35	448	534	700	800	85	166
	36	421	458	600	820	37	142
	37	420	452	540	820	32	88
	38	432	488	860	1270	56	383
	Avg	420	476				

OUT OF SERVICE (3)

AIRLINE FAILURE, ACCOUSTIC SOUNDER USED (17)

MONITORING WELLS (4)

UNSTABLE DATA (1)

MONTHLY SUMMARY - AVERAGE WATER LEVELS

READINGS END OF	STATIC LEVELS N. CANAL	STATIC LEVELS SYCAMORE	STATIC LEVELS TEJON	PUMPING LEVELS N. CANAL	PUMPING LEVELS SYCAMORE	PUMPING LEVELS TEJON
JUL	435	416	470	491	469	533
AUG	435	413	476	490	466	534
SEP	443	409	470	496	460	528
OCT	443	404	468	492	453	526
NOV	426	392	453	479	440	512
DEC	426	387	445	479	437	504
JAN	428	390	439	482	440	497
FEB	433	398	440	486	449	499
MAR	433	398	440	486	449	499
APR	431	427	453	486	477	512
MAY	430	433	469	488	483	526
JUN	436	423	489	495	478	545
JUL-25	435	420	486	495	476	540
12 MONTH CHANGE	00	-04	-16	-04	-07	-07

[1] Bowl depth is measured from the bottom of the bowls to top of the pump.

[2] When pumps aren't running,pumping levels are estimated based on previous draw down records. (6 month avg.)

[3] Red numbers indicate drawdowns that are above 100.

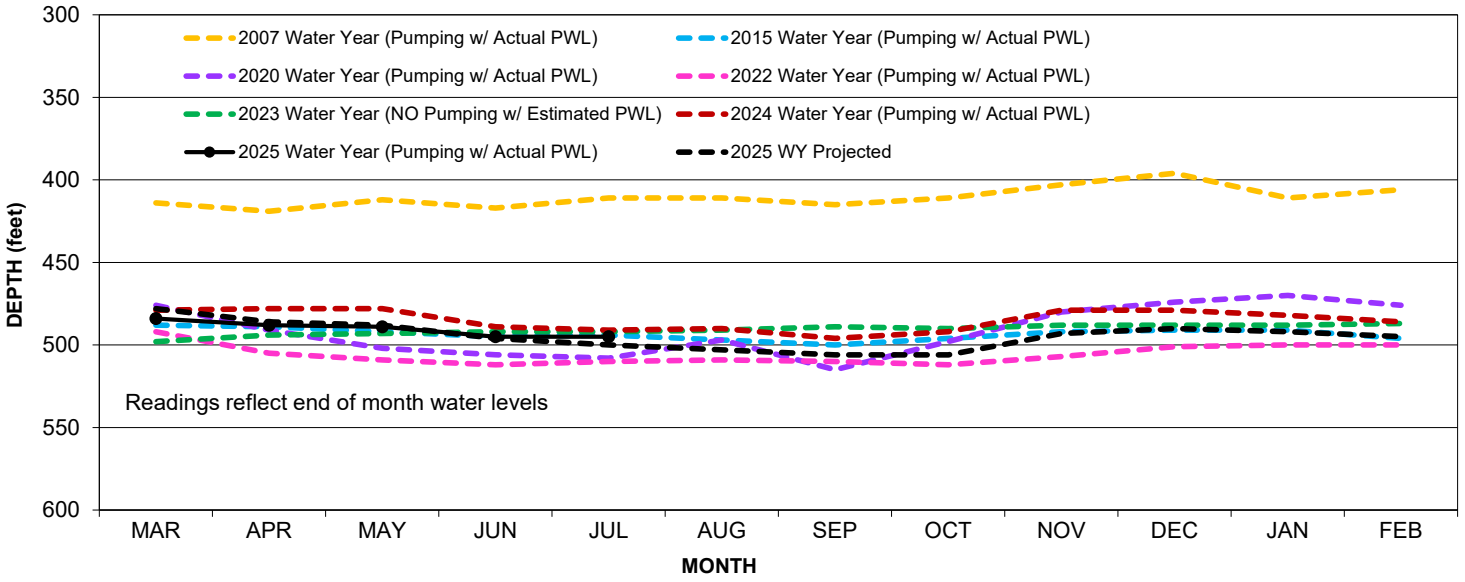
[4] Red numbers indicate bowl coverage that is below 50.

EXHIBIT "H-2"

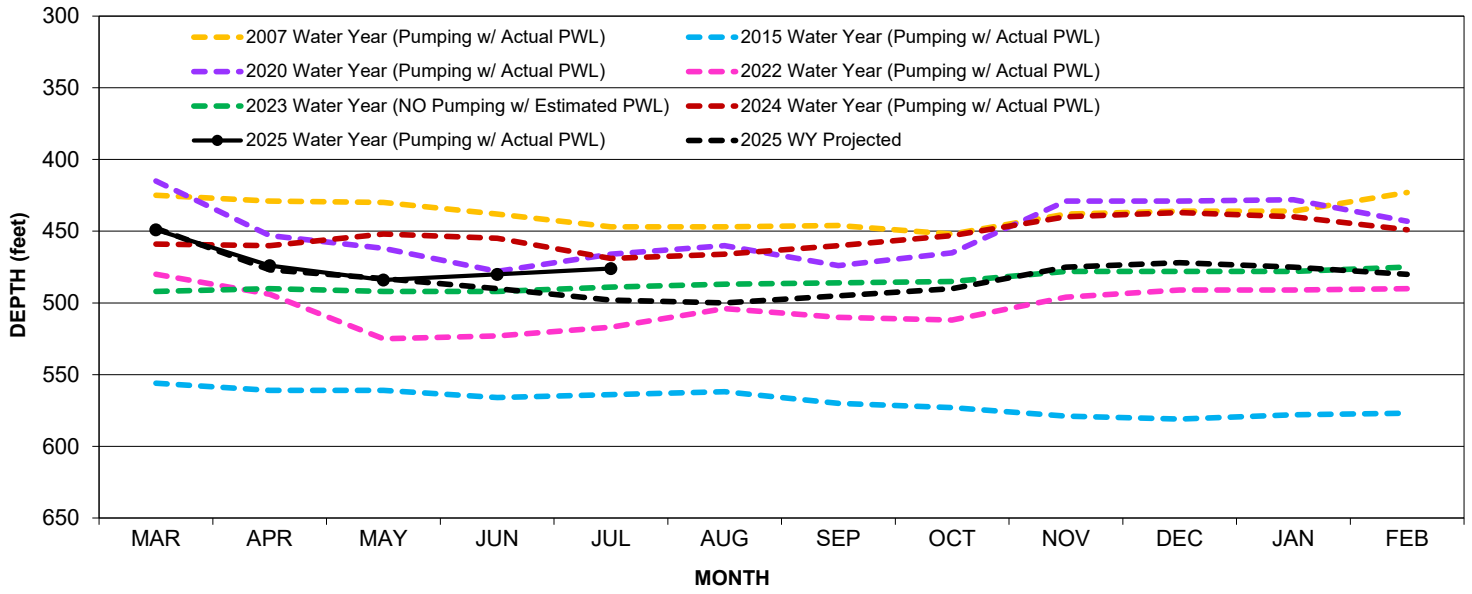
ARVIN-EDISON WATER STORAGE DISTRICT

WELLFIELD PUMPING WATER LEVELS - 2007, 2015, 2019-20, 2022, AND 2024-25

NORTH CANAL



SYCAMORE WELLFIELD



TEJON WELLFIELD

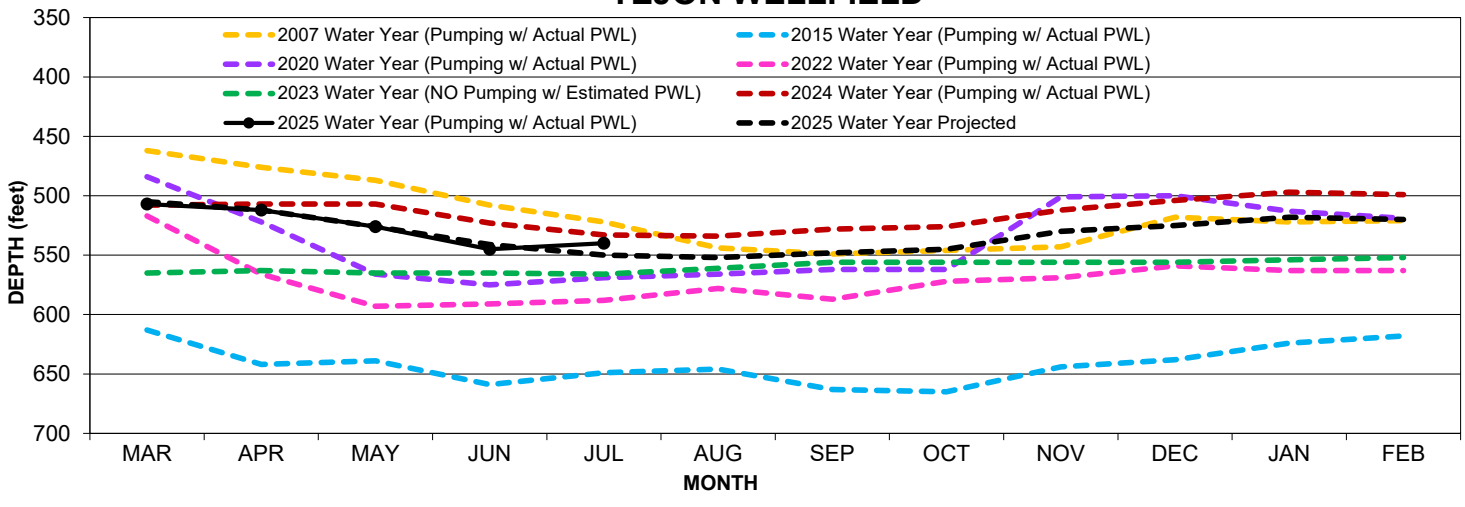
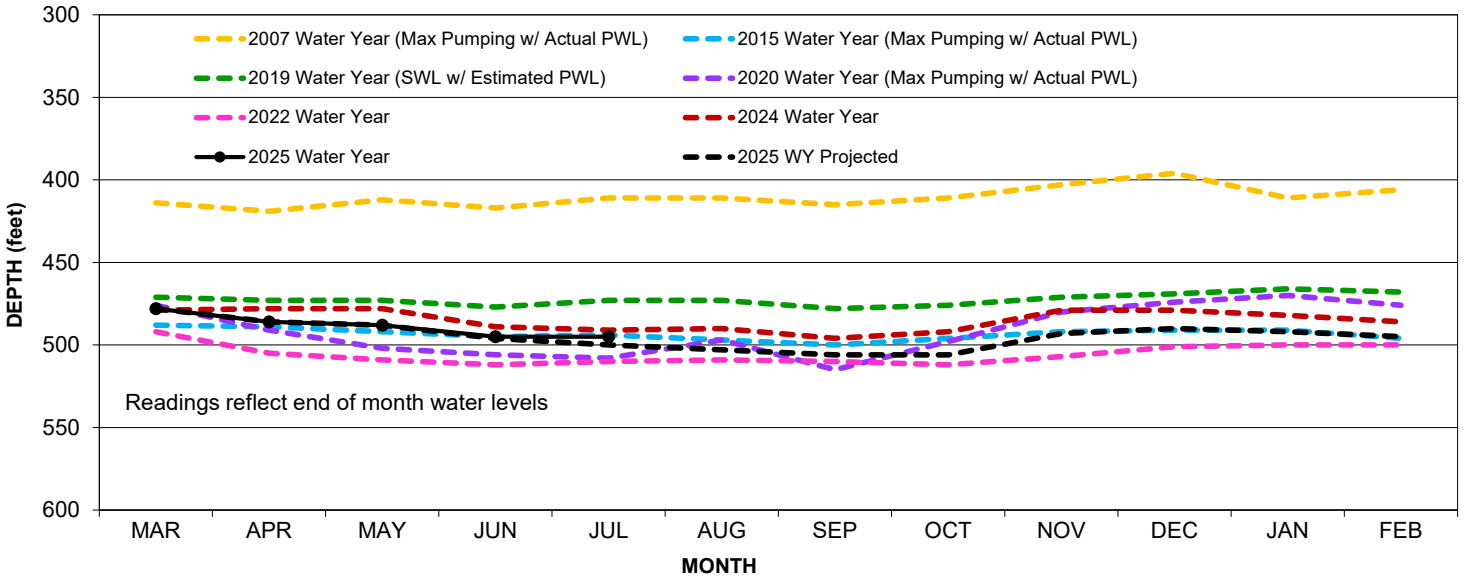


EXHIBIT "H-2"

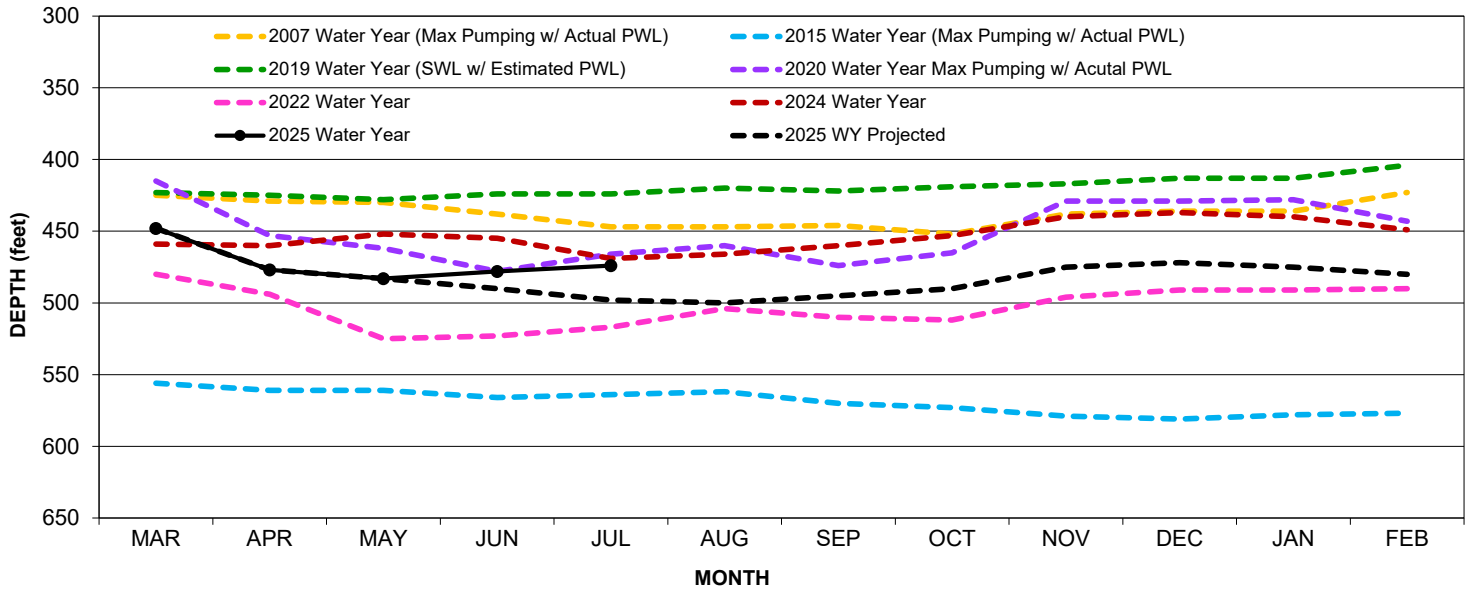
ARVIN-EDISON WATER STORAGE DISTRICT

WELLFIELD PUMPING WATER LEVELS - 2007, 2015, 2019-20, 2022, AND 2024-25

NORTH CANAL



SYCAMORE WELLFIELD



TEJON WELLFIELD