ZONE 7 WATER AGENCY

2025 Annual Review of the Sustainable Water Supply Report

April 16, 2025

GOAL B
Reliable Water Supply and Infrastructure

Provide customers with reliable water supply and infrastructure.

Initiative 5

Develop a diversified water supply plan and implement supported projects and programs

ZONE 7 WATER AGENCY

Presentation Outline

WEATHER

STORAGE

WATER SUPPLY & DELIVERY PROJECTIONS

ZONE 7 WATER AGENCY

Water Supply Highlights

Cumulative local rainfall to date is below normal

Zone 7 expects to receive at least 40% allocation from the State Water Project and about 5,000 AF of local water

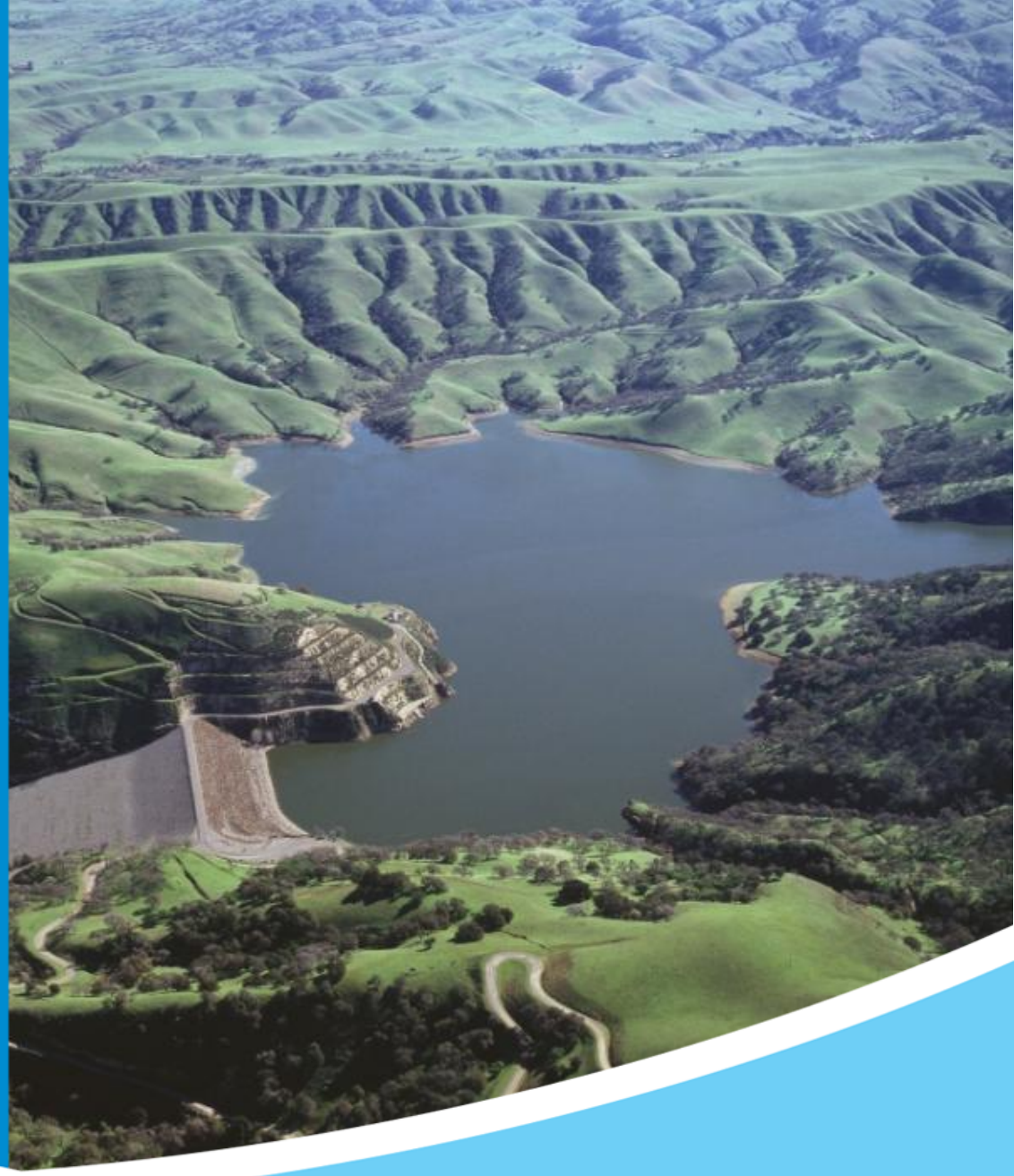
Zone 7 plans to supply an average amount of groundwater this year – 6,000 AF

Zone 7 plans to suspend recharge to the main basin

Zone 7 is evaluating need to bank water in the Kern County Storage and Recovery Programs

ZONE 7 WATER AGENCY

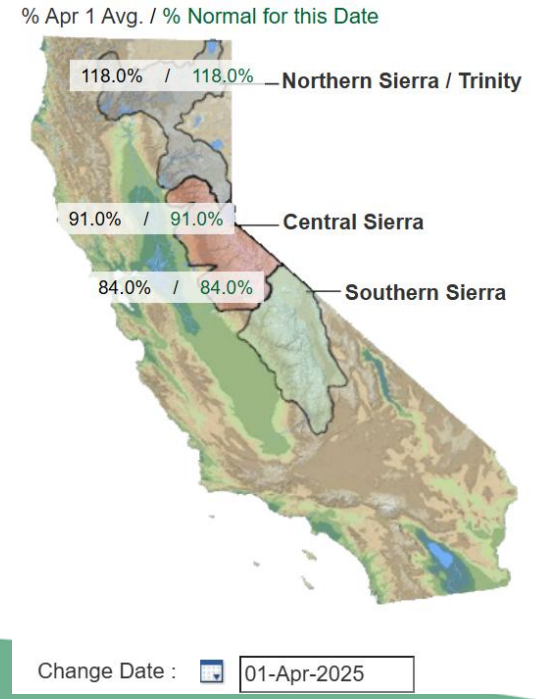
Weather
(Climate Conditions)

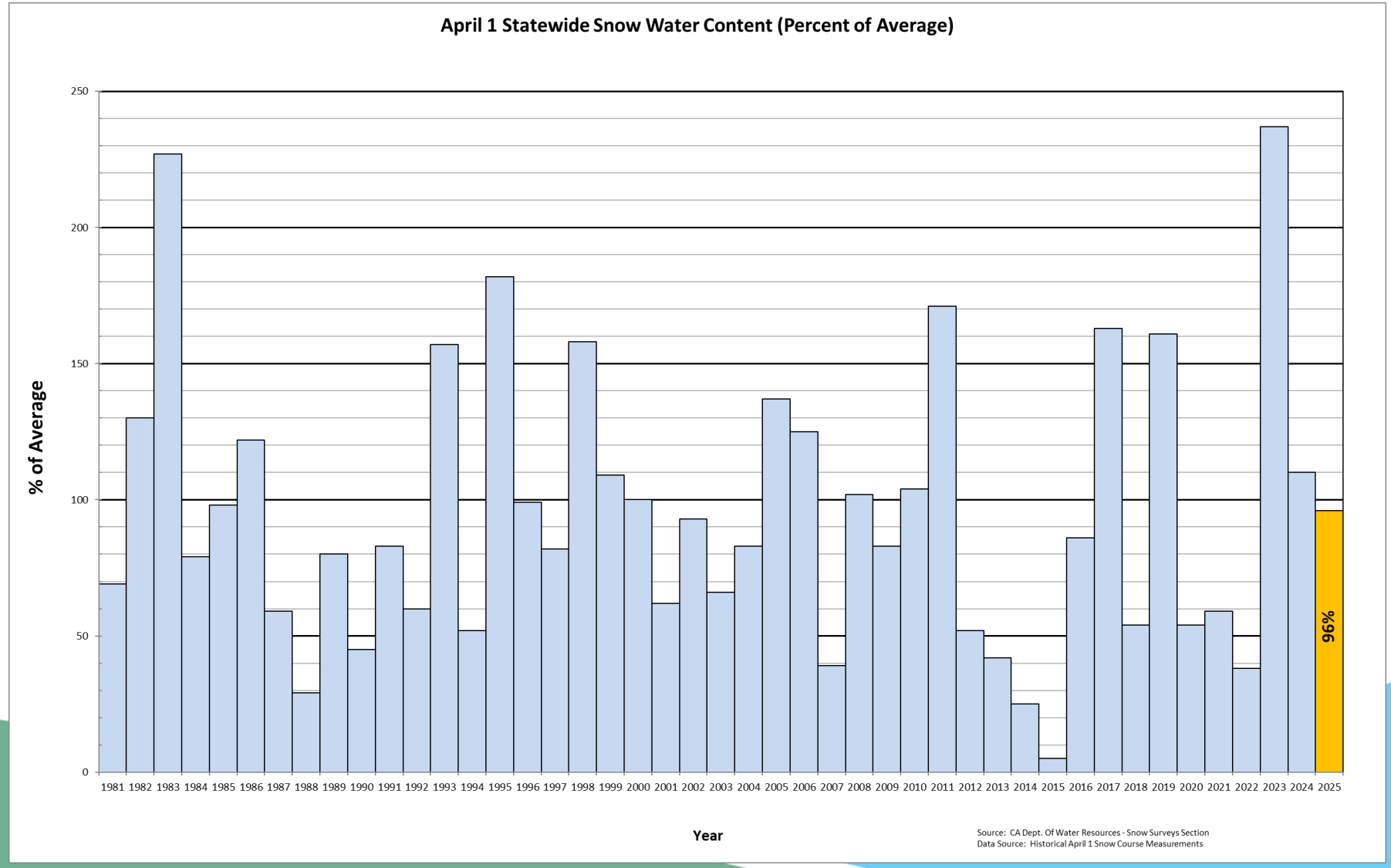


ZONE 7 WATER AGENCY

California Snow Water Content as of April 1, 2025

Statewide 96% of Average (April 1, 2025)





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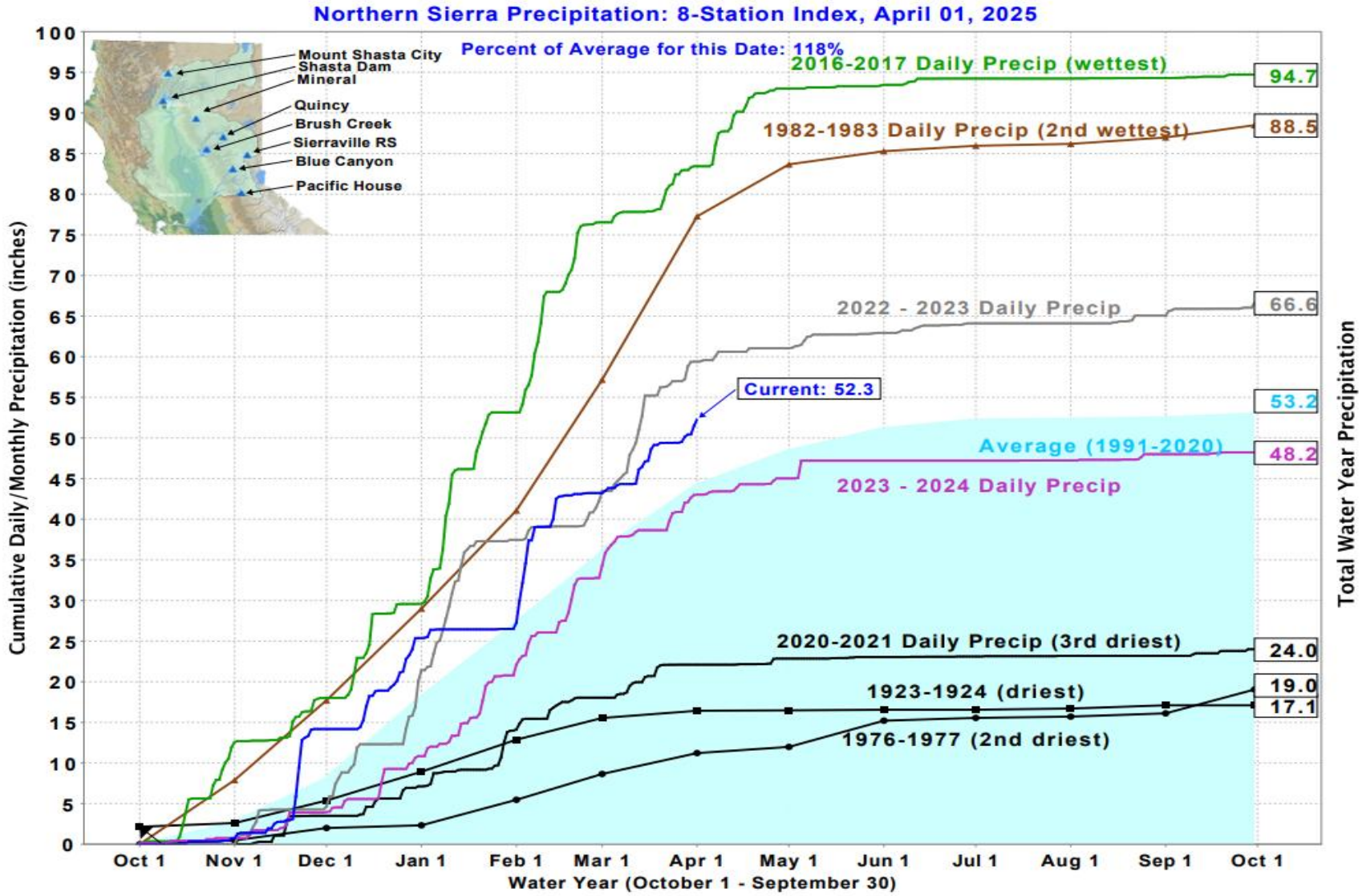
Northern Sierra Precipitation Index

Northern Sierra: 118% of Average YTD

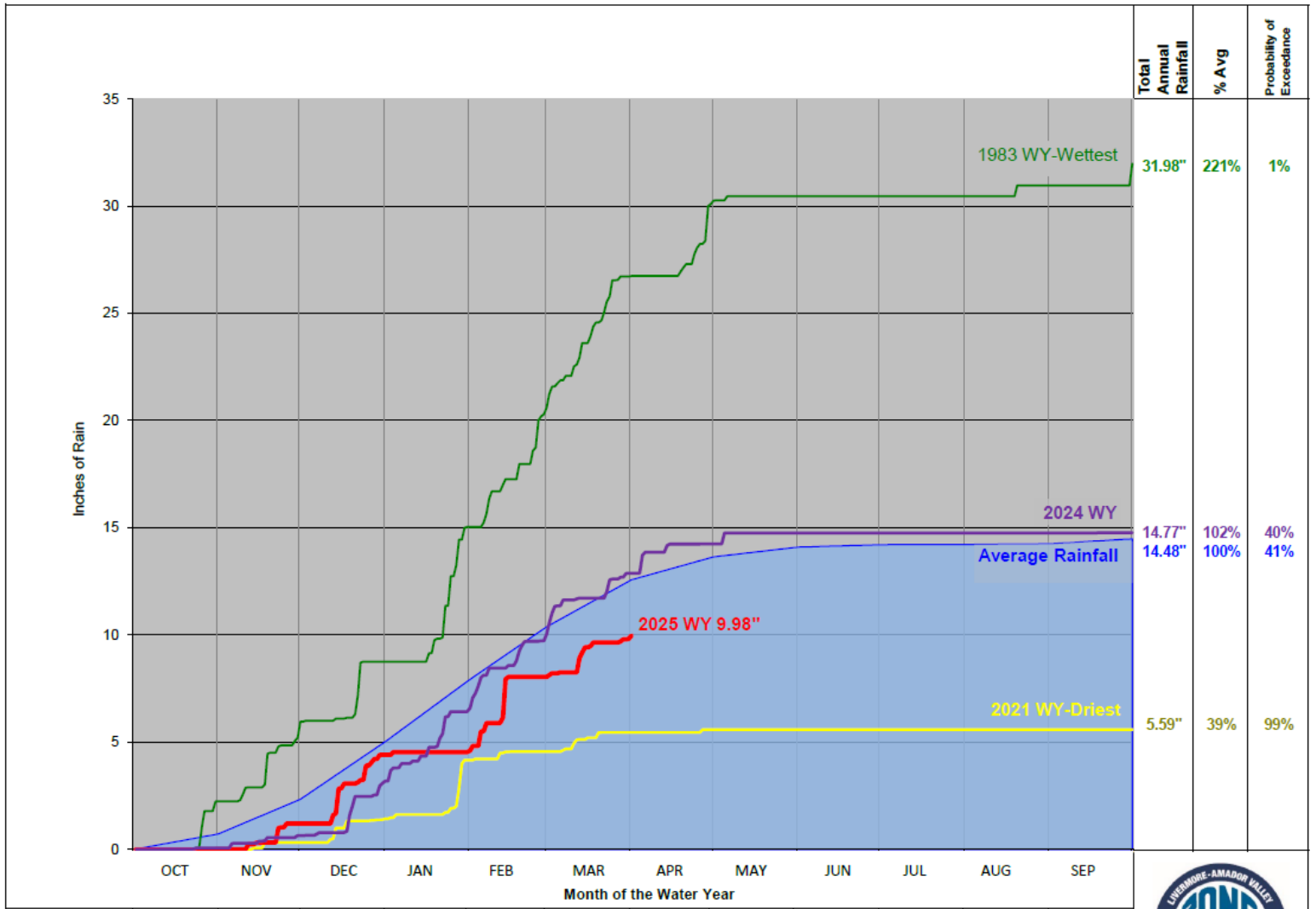


ZONE 7 WATER AGENCY

Livermore Valley Precipitation

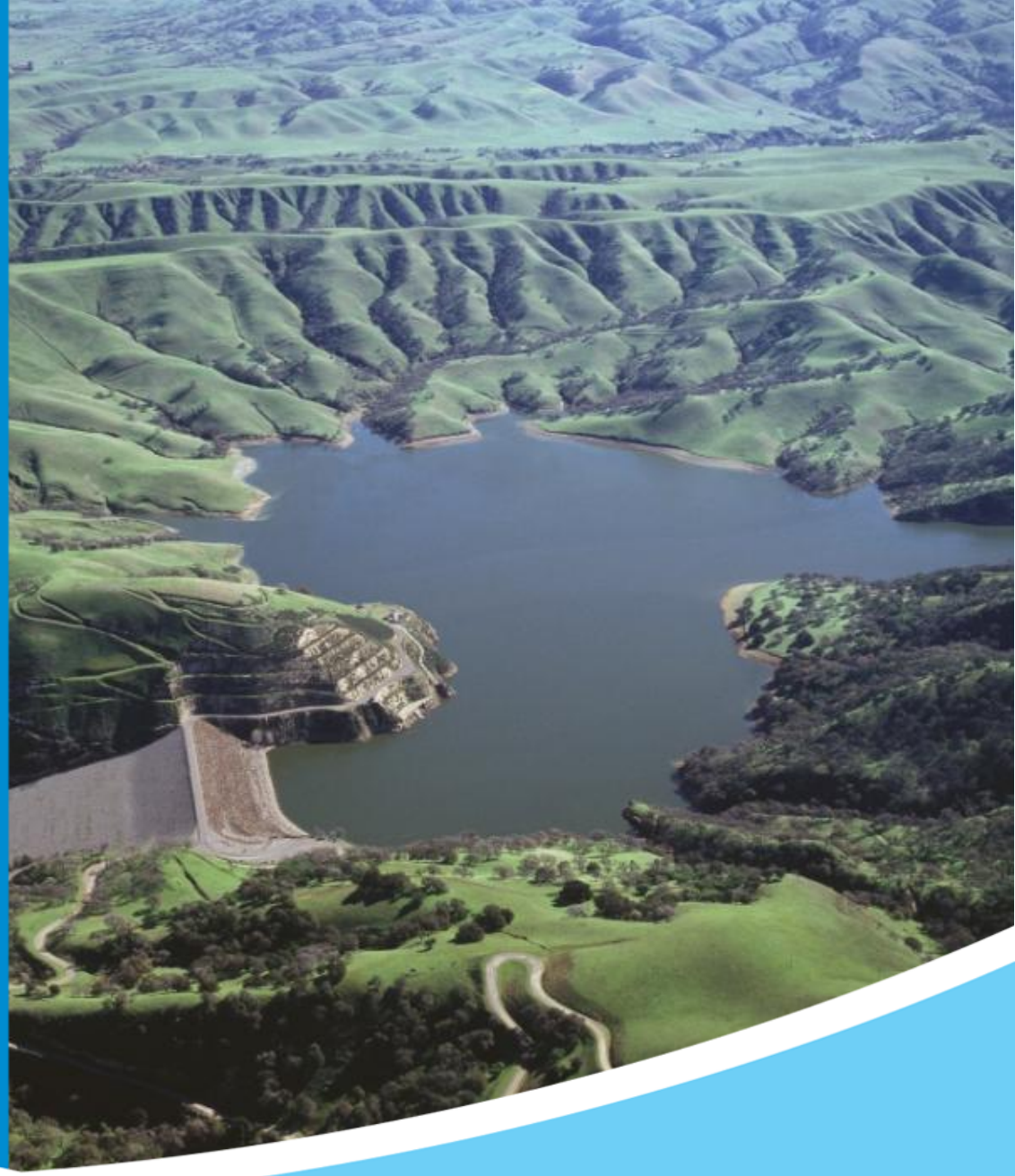
Local Rainfall: 79%
of Average Year To Date

FIGURE 2-2
ZONE 7 WATER AGENCY
GRAPH OF LIVERMORE RAINFALL INDEX



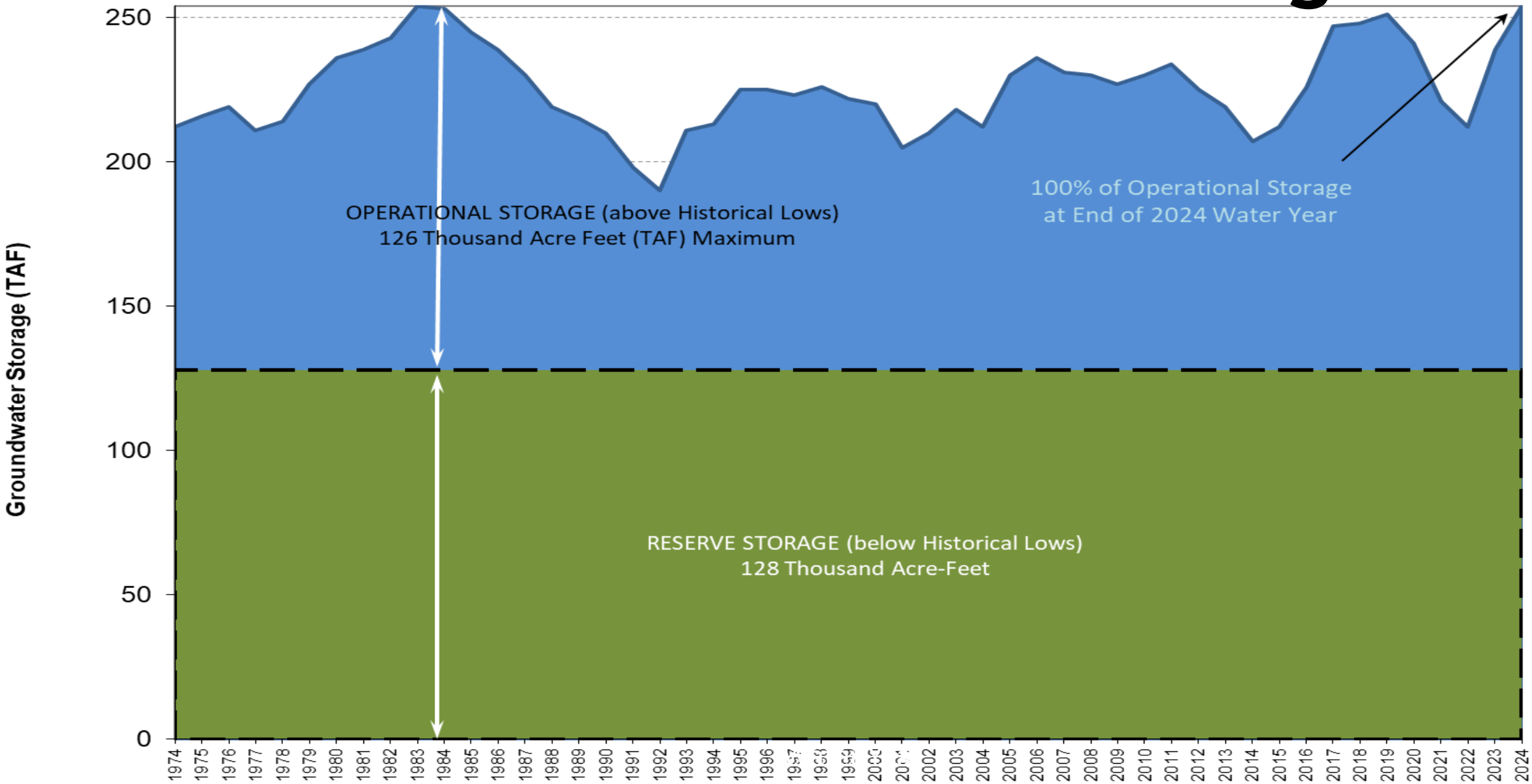
Monthly (inches)	0.01	1.20	3.20	0.20	3.44	1.93						
% Monthly Avg	1%	74%	119%	7%	140%	88%						
YTD (inches)	0.01	1.21	4.41	4.61	8.05	9.98						
% Average YTD	1%	52%	88%	58%	78%	79%						
% Annual Avg	0%	8%	30%	32%	56%	69%						

Water Storage

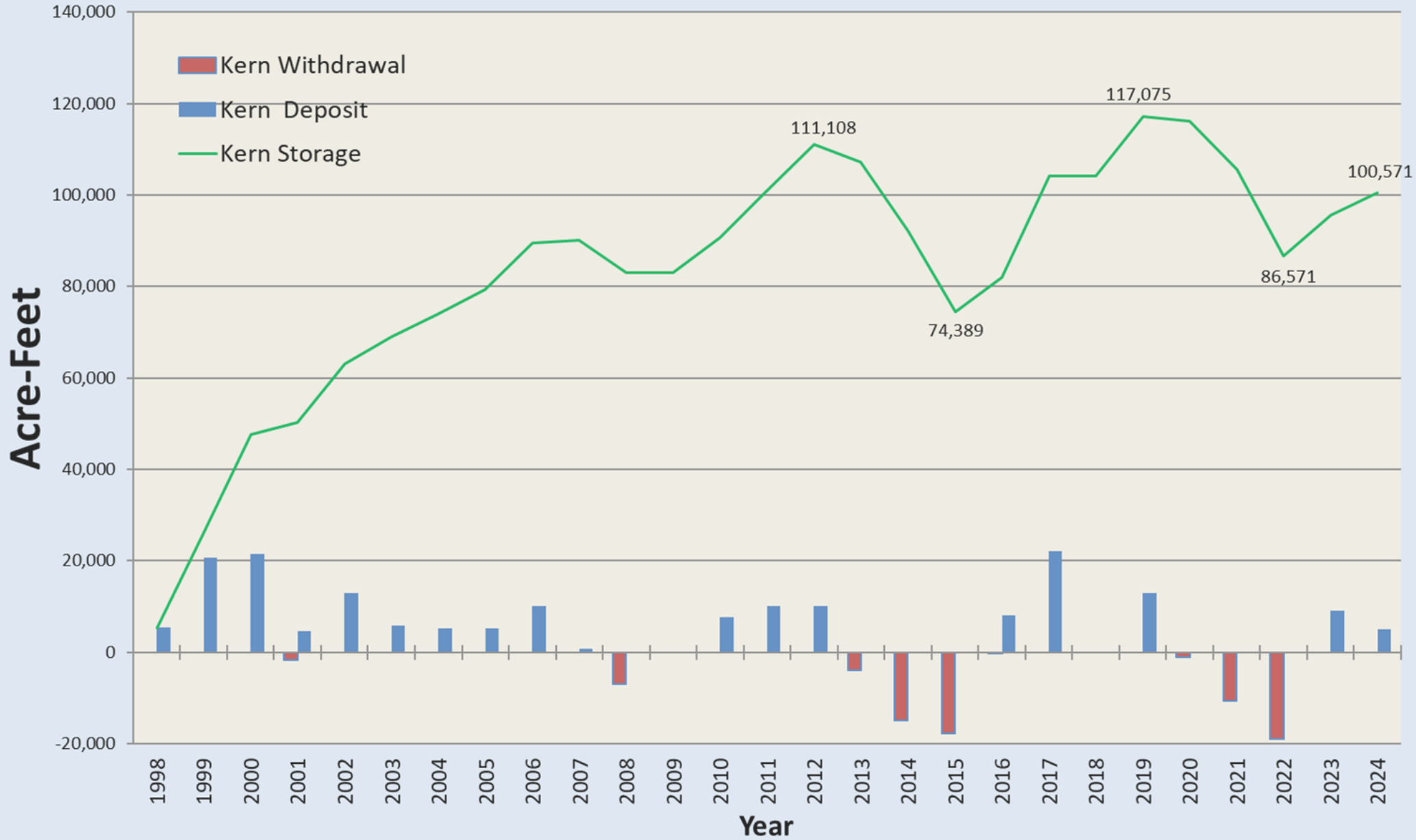


ZONE 7 WATER AGENCY

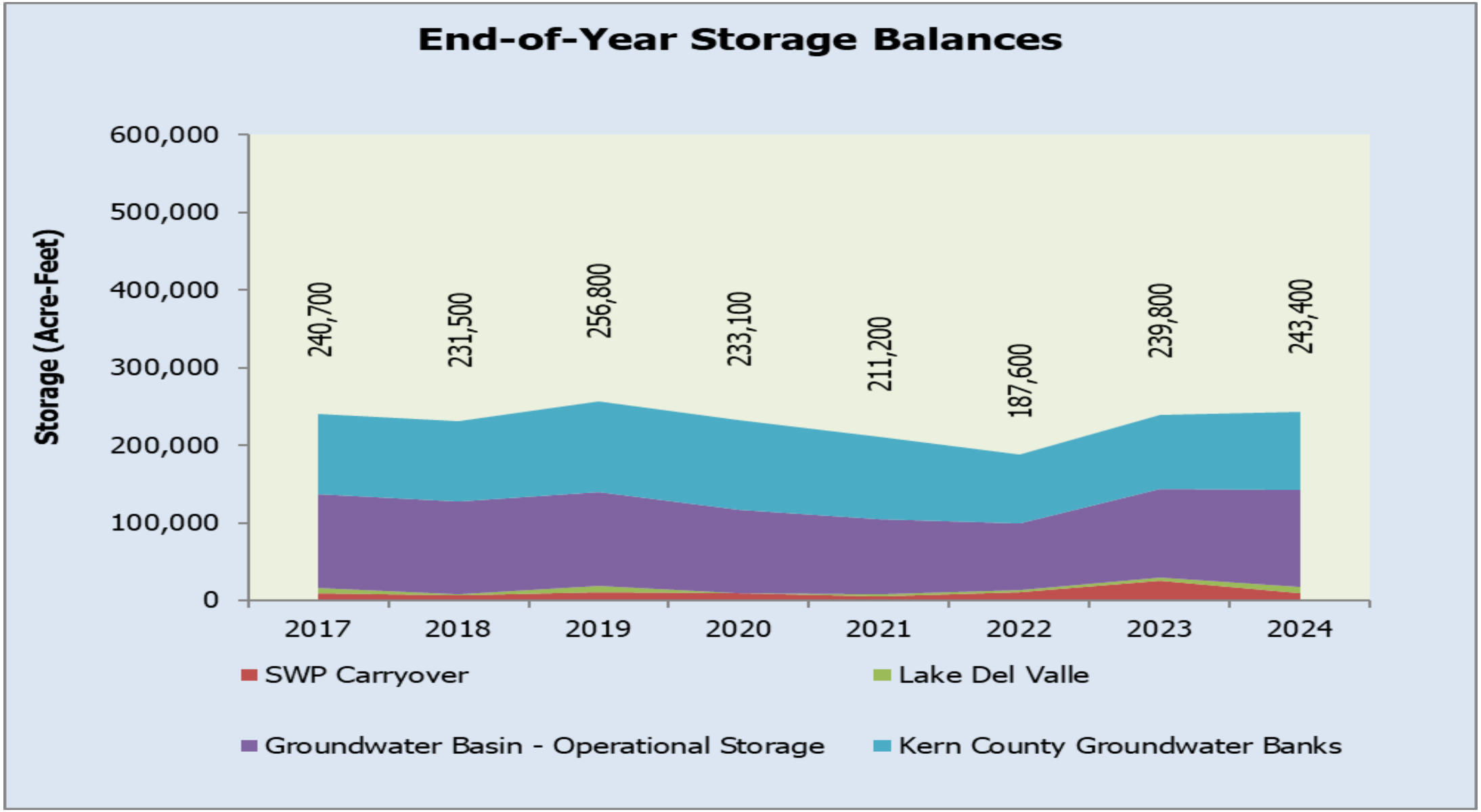
Available Groundwater Storage



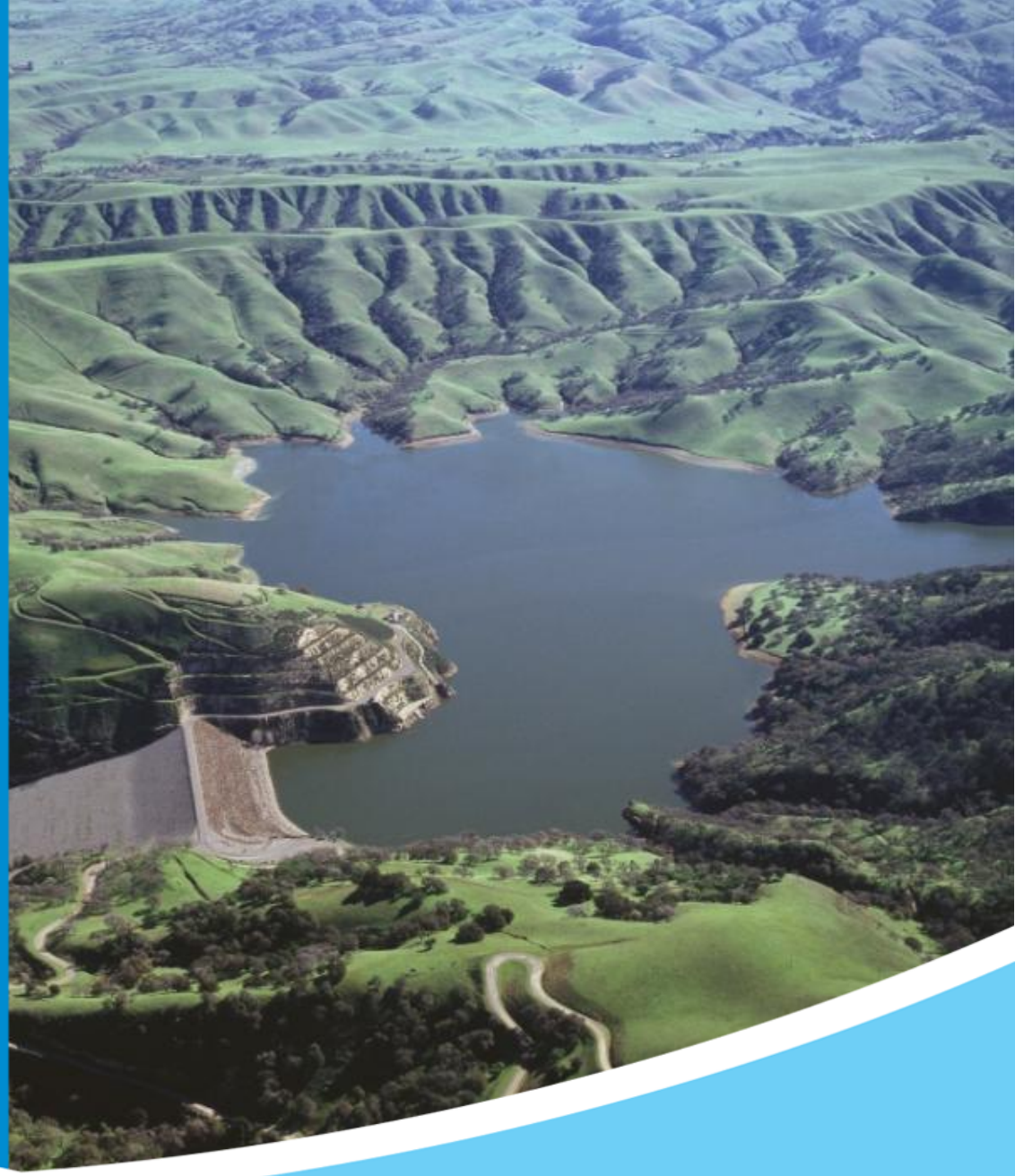
Kern County Storage & Recovery Programs



Total Available Storage

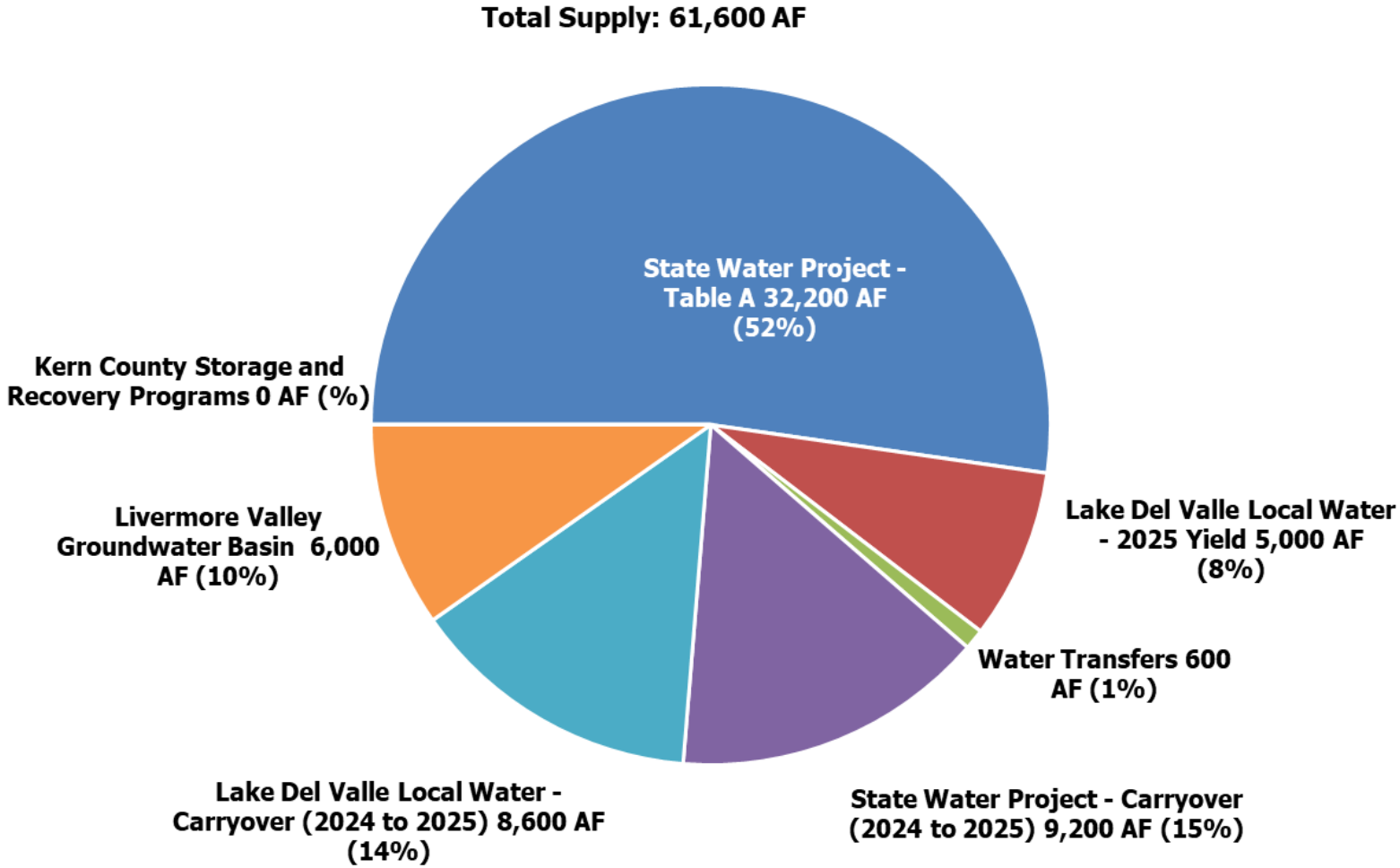


Water Supply and Delivery Plan



ZONE 7 WATER AGENCY

Current 2025 Water Supplies: 61,600 AF



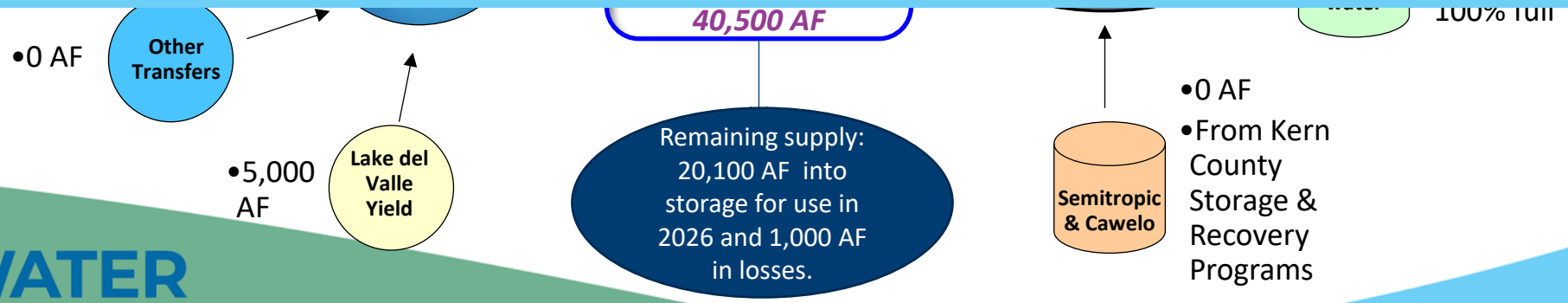
2025 Water Supplies to Meet Delivery Requests

A similar analysis was done for 2026 assuming critically dry conditions:

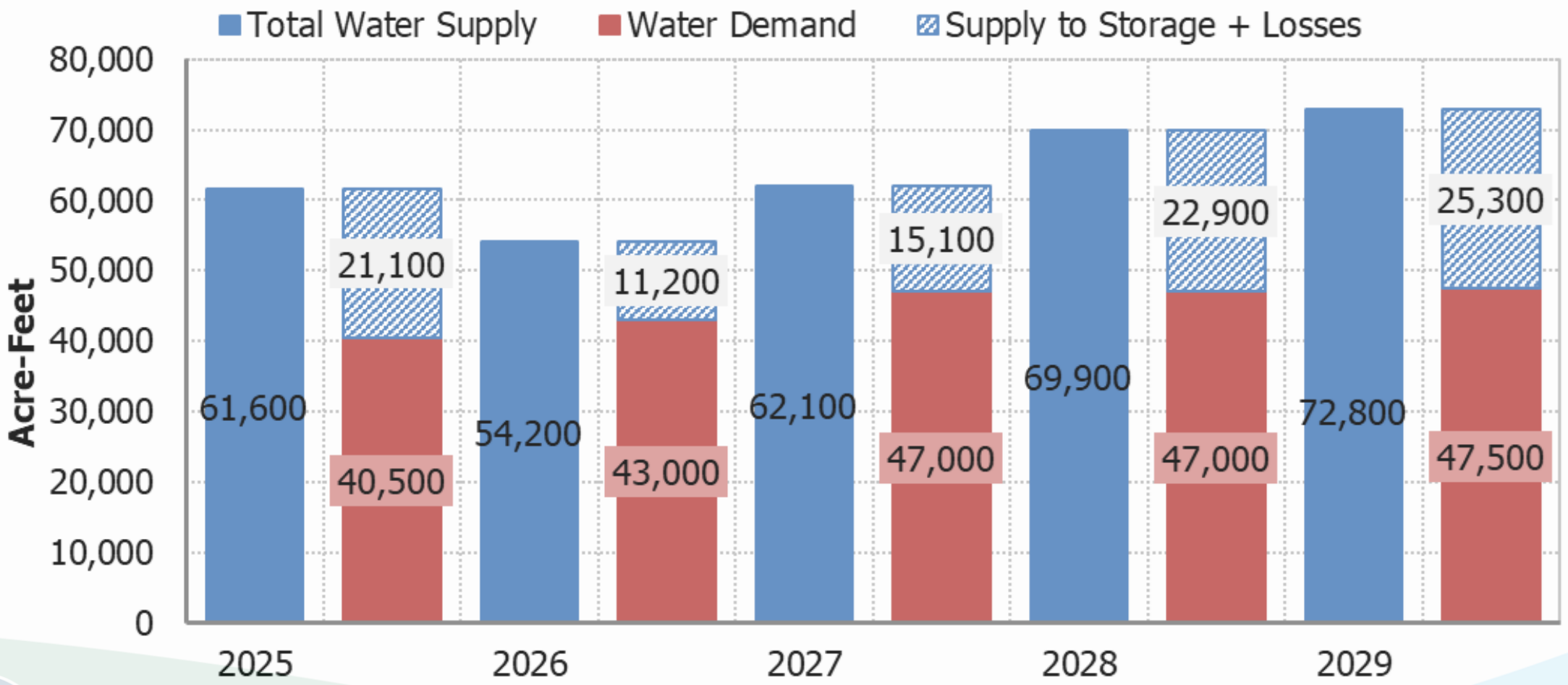
Supply is 54,200 AF

vs.

43,000 AF
Projected Delivery



Projected Water Availability & Use Based on Delivery Requests



ZONE 7 WATER AGENCY

Projected Deliveries and Water Planned for Storage

DEMANDS/PLANNED FOR STORAGE[a] **Acre-Feet**	**ACTUAL**	**PROJECTIONS**				
	2024	**2025**	**2026**	**2027**	**2028**	**2029**
Hydrologic Year Equivalent	*2009*	*2018*	*1977*	*2018*	*Average*	*Average*
Table A Allocation	*40%*	*40%*	*10%*	*30%*	*53%*	*53%*
Customer Deliveries						
Treated Water Demand[b]	35,400	36,000	37,000	41,500	42,000	42,500
Untreated Water Demand[c]	4,350	4,500	6,000	5,500	5,000	5,000
To Storage						
State Water Project - Carryover (Current to Following Year)	9,200	15,100	10,000	10,000	10,000	10,000
Lake Del Valle Local Water - Carryover	8,600	5,000	0	4,000	8,000	8,000
Livermore Valley Groundwater Basin Groundwater Recharge	6,150	0	0	0	4,100	6,500
Semitropic Storage	0	0	0	0	0	0
Cawelo Storage	10,000	0	0	0	0	0
System Losses						
Groundwater Production (Disposal to brine)	200	200	400	400	100	100
Delta Carriage Water or Napa Repayment	1,200	200	300	300	0	0
Treated Water System Losses	0	200	200	200	200	200
Lake Del Valle Evaporation Losses	700	400	300	200	500	500
State Water Project - Carryover Spill	0	0	0	0	0	0
Total	**75,800**	**61,600**	**54,200**	**62,100**	**69,900**	**72,800**

ZONE 7 AGENCY

Five-Year Outlook Based on Projected Demands

SUPPLIES VS DEMANDS	**ACTUAL**	**PROJECTIONS**				
Acre-Feet	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**
Hydrologic Year Equivalent	*2009*	*2018*	*1977*	*2018*	*Average*	*Average*
Table A Allocation	*40%*	*40%*	*10%*	*30%*	*53%*	*53%*
Incoming Supplies[(a)]	41,800	37,800	13,100	34,200	50,700	50,700
Water Supply from Storage[(b)]	34,000	23,800	41,100	27,900	19,200	22,100
Total Water Supply	75,800	61,600	54,200	62,100	69,900	72,800
Customer Deliveries[(c)]	39,750	40,500	43,000	47,000	47,000	47,500
Supply to Storage[(d)]	33,950	20,100	10,000	14,000	22,100	24,500
System Losses[(e)]	2,100	1,000	1,200	1,100	800	800
% of Demand Delivered (Customer Deliveries)	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
TOTAL STORAGE	**243,400**	**239,700**	**208,600**	**194,700**	**197,200**	**199,000**

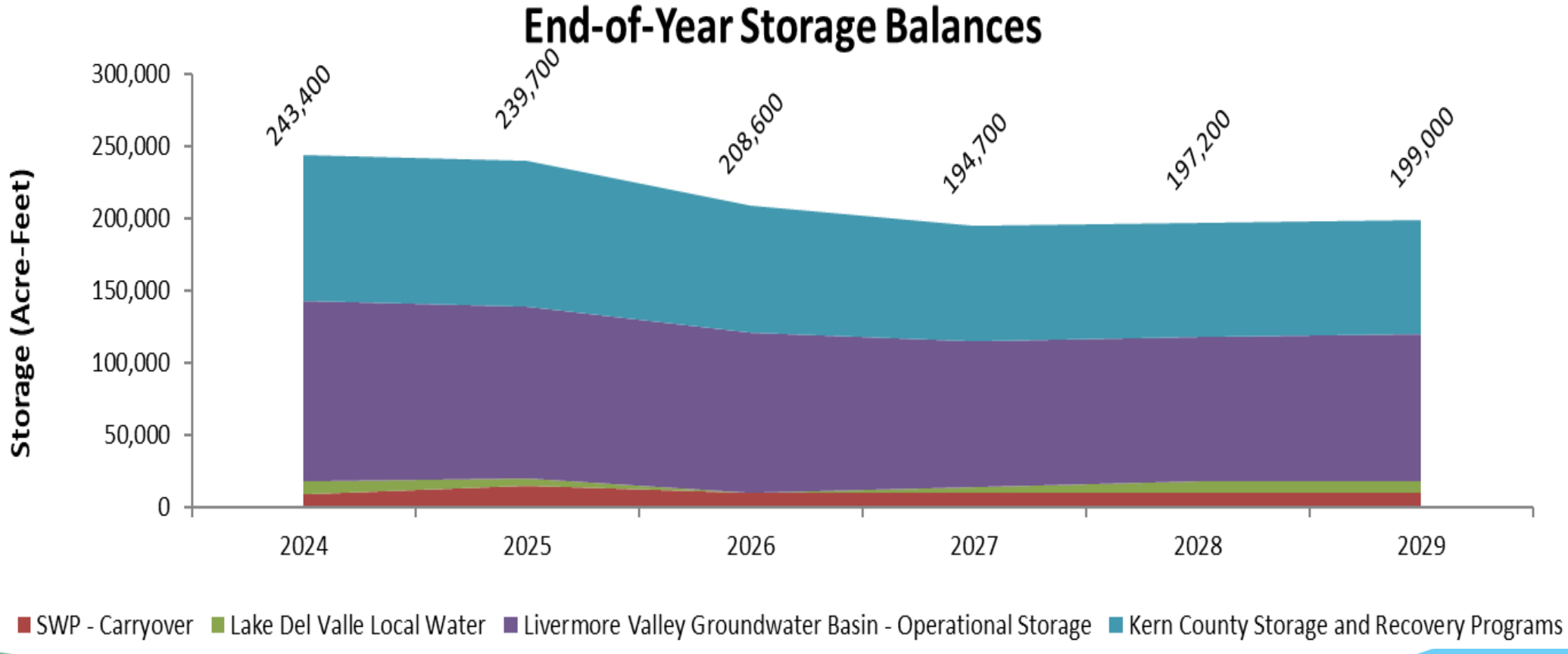
ZONE 7 WATER AGENCY

Actual and Projected End-of-Year Storage Balances

Storage projected to drop by 44,000 AF between 2024 to 2029.

Could mitigate declining storage through the additional purchase of transfer water.

- *Monitor conditions to determine adequate amounts of transfer water in future years.*



Questions?