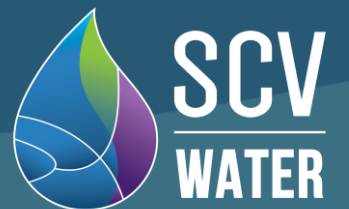


HOW SCV WATER KEPT THE WATER FLOWING

Amidst Extreme Weather and New Water
Quality Regulations

Sarah Fleury
Senior Water Resources Planner
Santa Clarita Valley Water Agency (SCV Water)



SCV WATER | WHO WE ARE

A full-service regional water agency
in Santa Clarita California

SCV Water provides water service to:



196.8 square miles



75,000+ service connections



Nearly 300,000 people

***The SCV Water service area is located
in northern Los Angeles County, with its
western limit generally along the
L.A.-Ventura County line.***



Map credit: Wikipedia | Image credit: Walnut RV Park

EXISTING SCV WATER SUPPLY PORTFOLIO

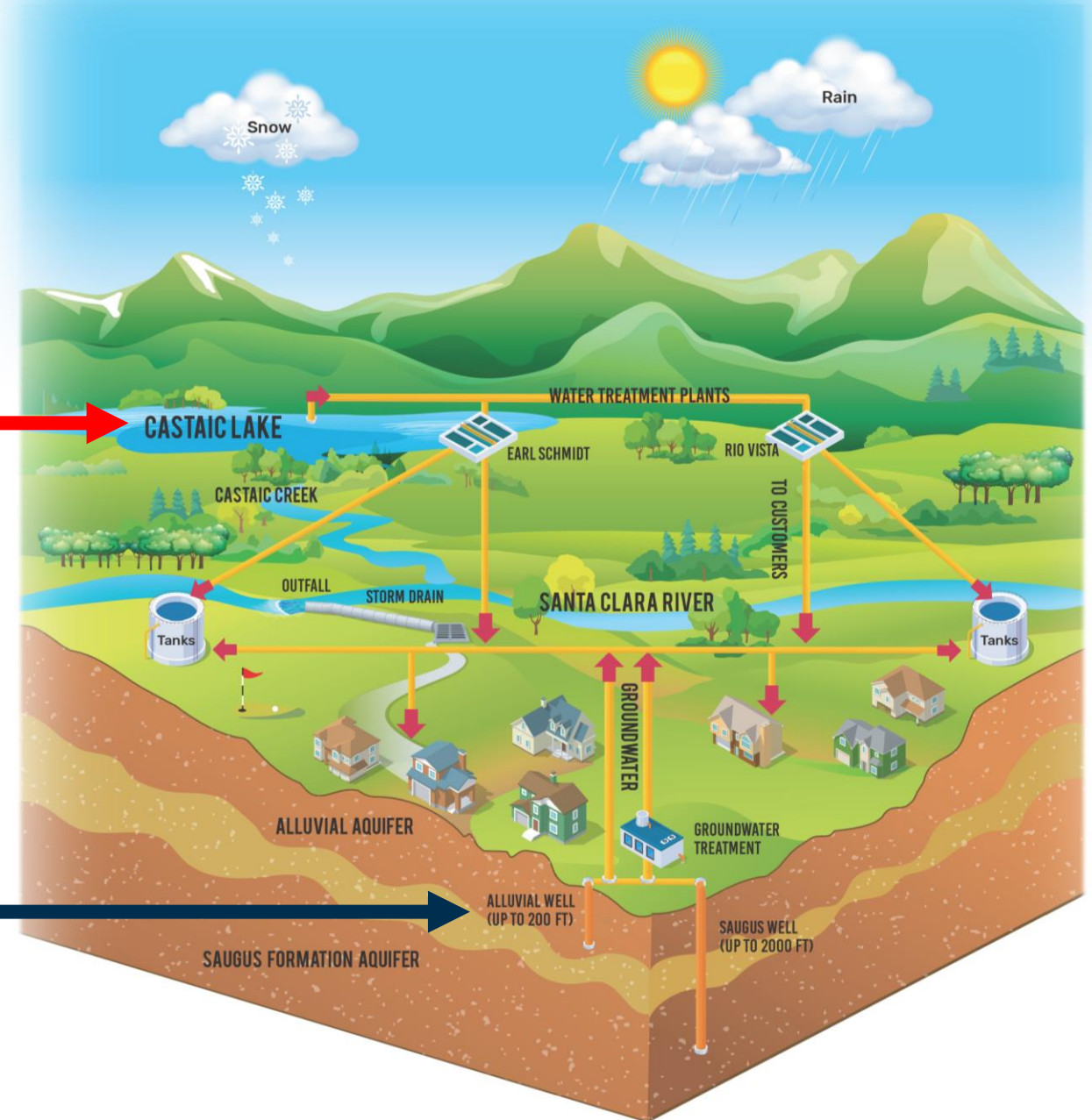
Imported Supplies (50%)

- State Water Project
- Dry Year Reserves

Local Supplies (50%)

- Groundwater
- Recycled Water

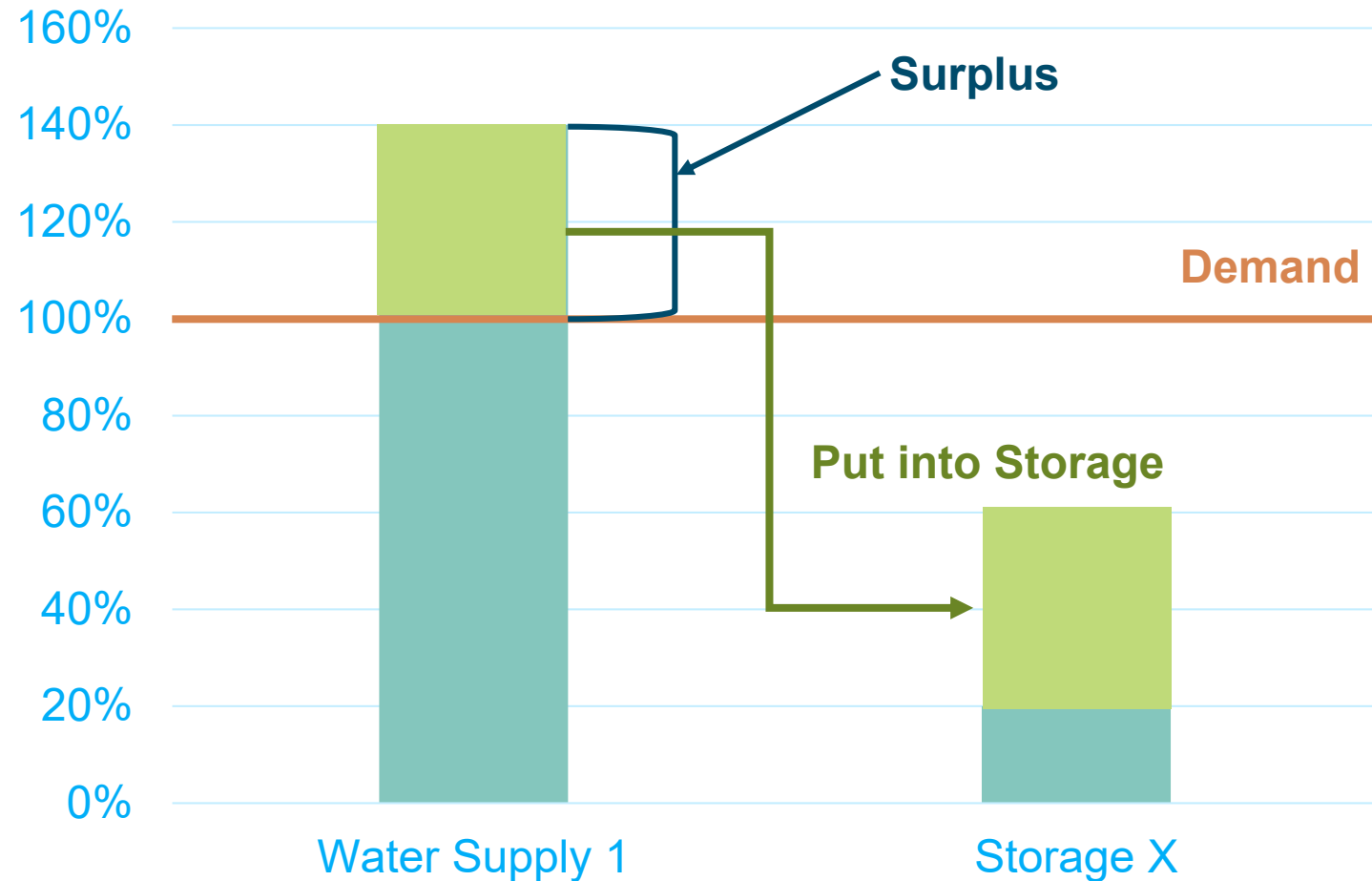
yourSCVwater.com/your-water/



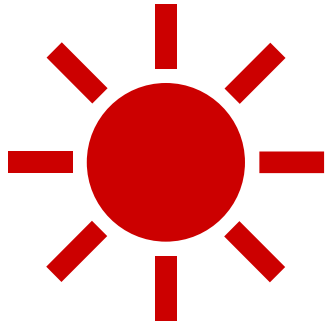
WATER OPERATIONS BY “WATER YEAR” TYPE



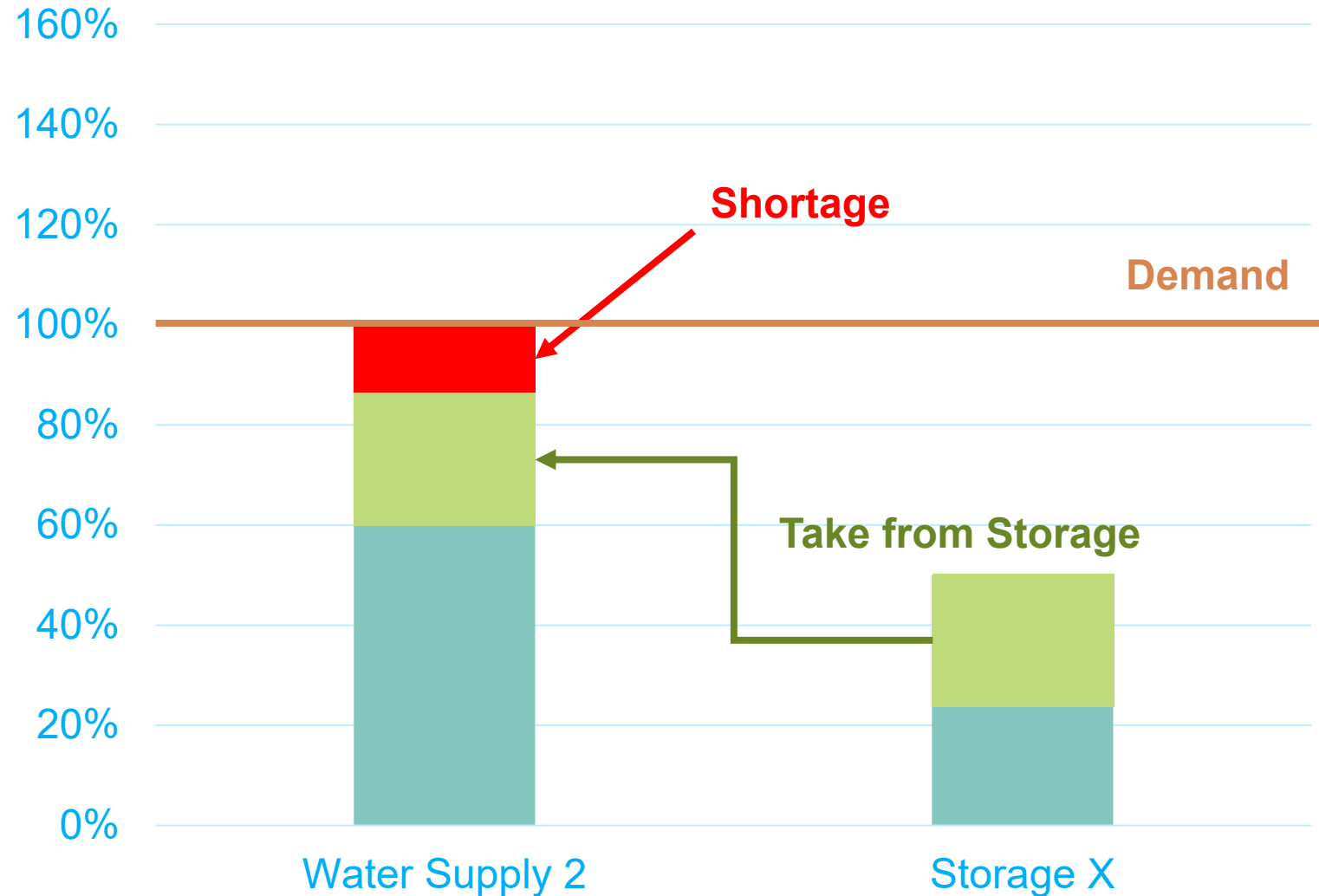
Scenario 1:
Normal-Wet Year
Supply greater
than demand



WATER OPERATIONS BY “WATER YEAR” TYPE



Scenario 2:
Critically Dry Year
Supply less than demand



RECENT FLASH DROUGHT

2019

2020

2021

2022

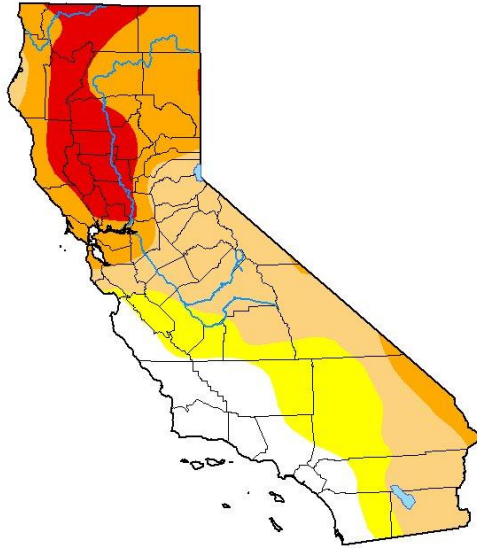
2023

2024

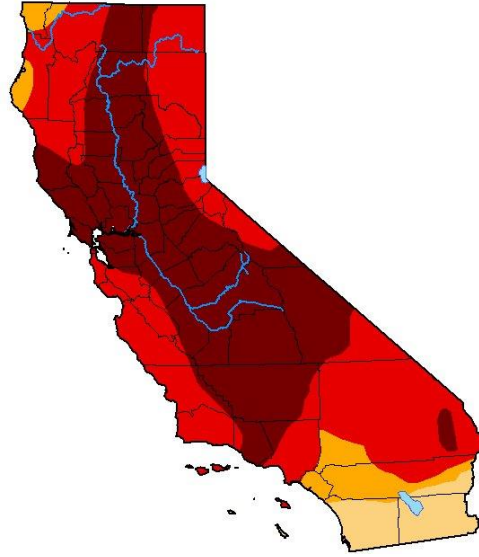
Oct. 2019



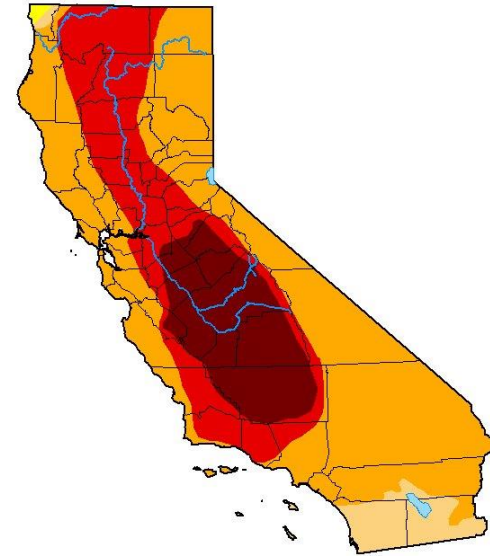
Oct. 2020



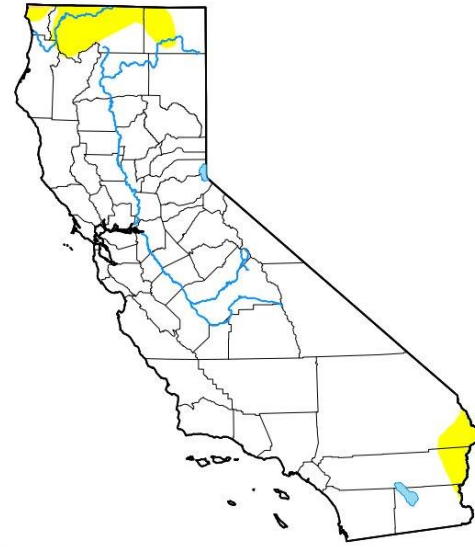
Oct. 2021



Oct. 2022



Oct. 2023



Intensity

None

D0 (Abnormally Dry)

D1 (Moderate Drought)

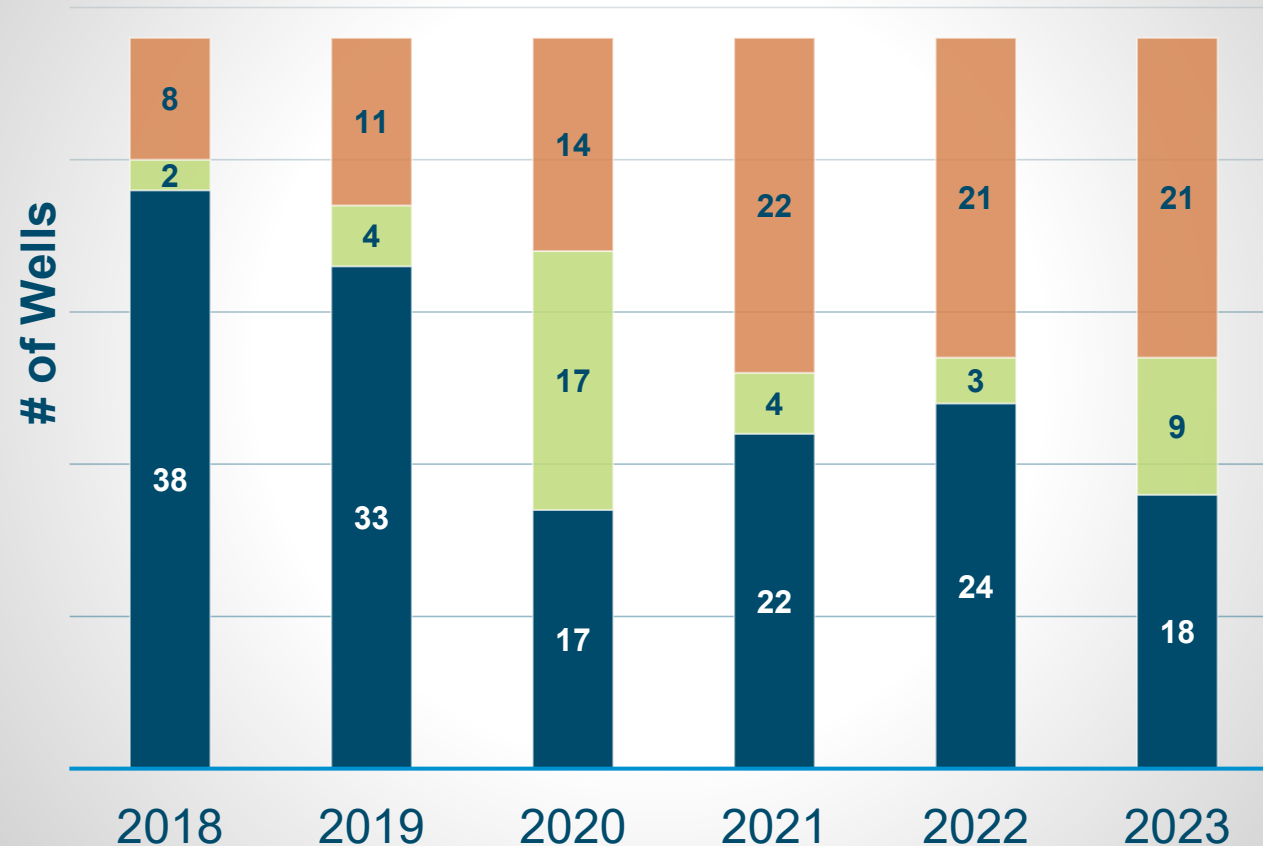
D2 (Severe Drought)

D3 (Extreme Drought)

D4 (Exceptional Drought)

No Data

Production Well Constraints



WATER QUALITY REGULATIONS

PFAS & PFOA

- State regulations 2020
 - About ½ of production wells went offline in 2020
 - Scheduled to come back online with treatment in the next 10 years
- EPA regulations 2024
 - Further production losses

■ Wells online ■ Wells Online Partial Year ■ Wells Offline

MAJOR CHALLENGES STARTED IN 2020

COVID



Groundwater

Major supply constraints

>50% wells offline

10-year treatment
recovery planned



State Imports

Major supply constraints

Multi-year drought

Record temperatures

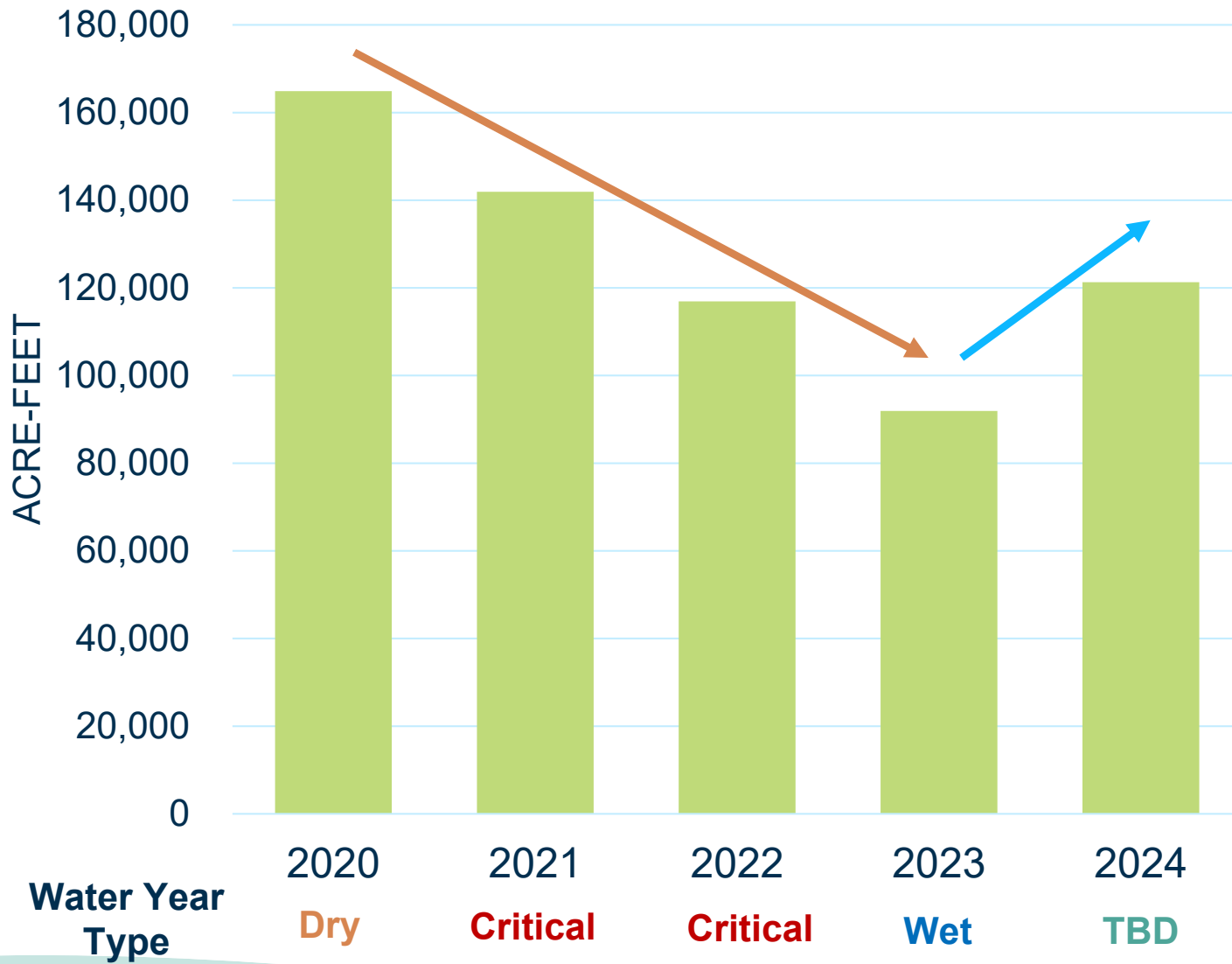


Demands

Dry warm conditions =
higher demands

Slow adjustment to
conservation call

Dry Year Reserve Program Balances



SCV WATER'S RESPONSE

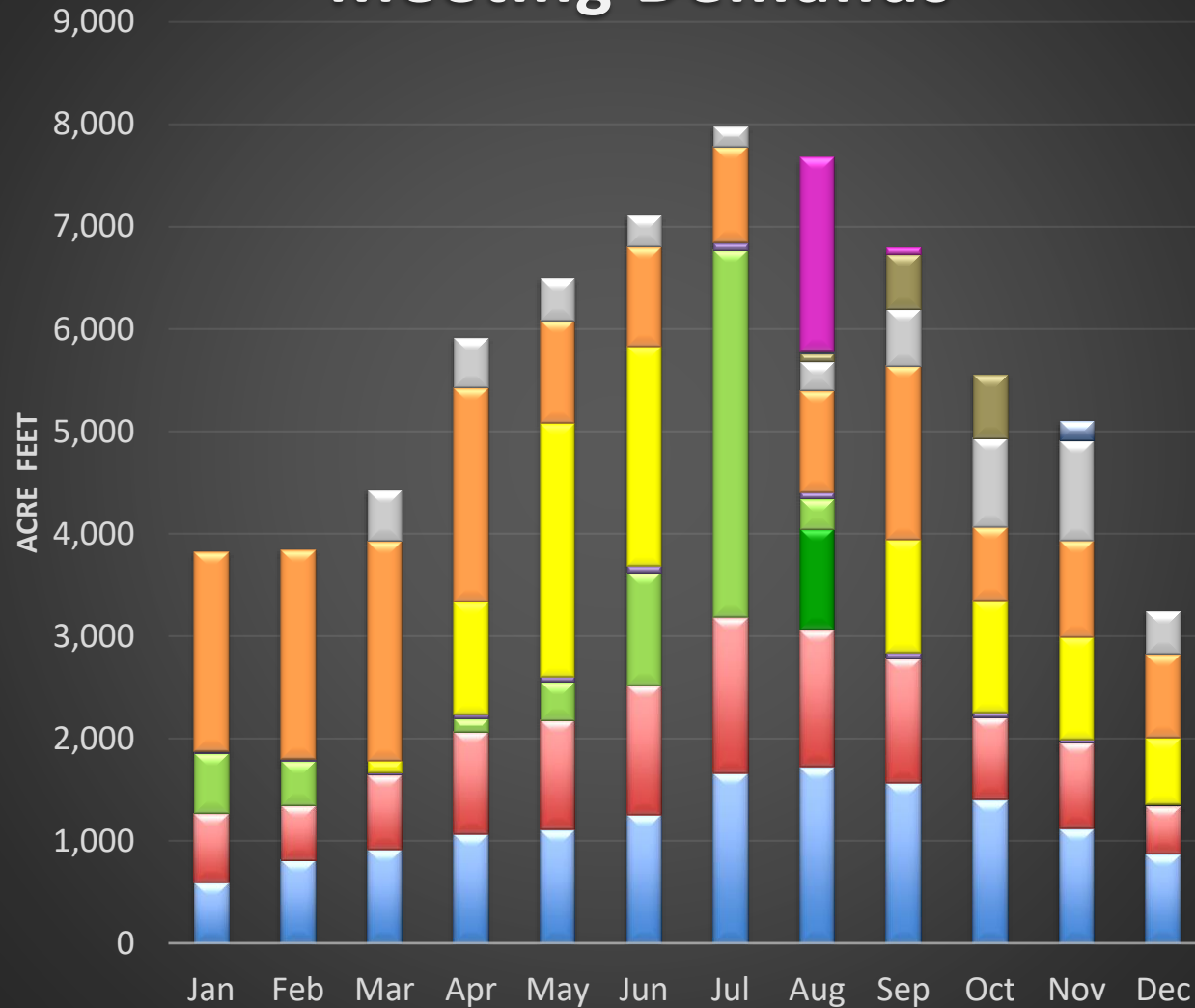
How we solved the problem

Dry Year Reserves

2020 through 2023

- Used 20-25 TAF/year
- 2023 wet year replenished 30 TAF

2021 Snapshot: Meeting Demands



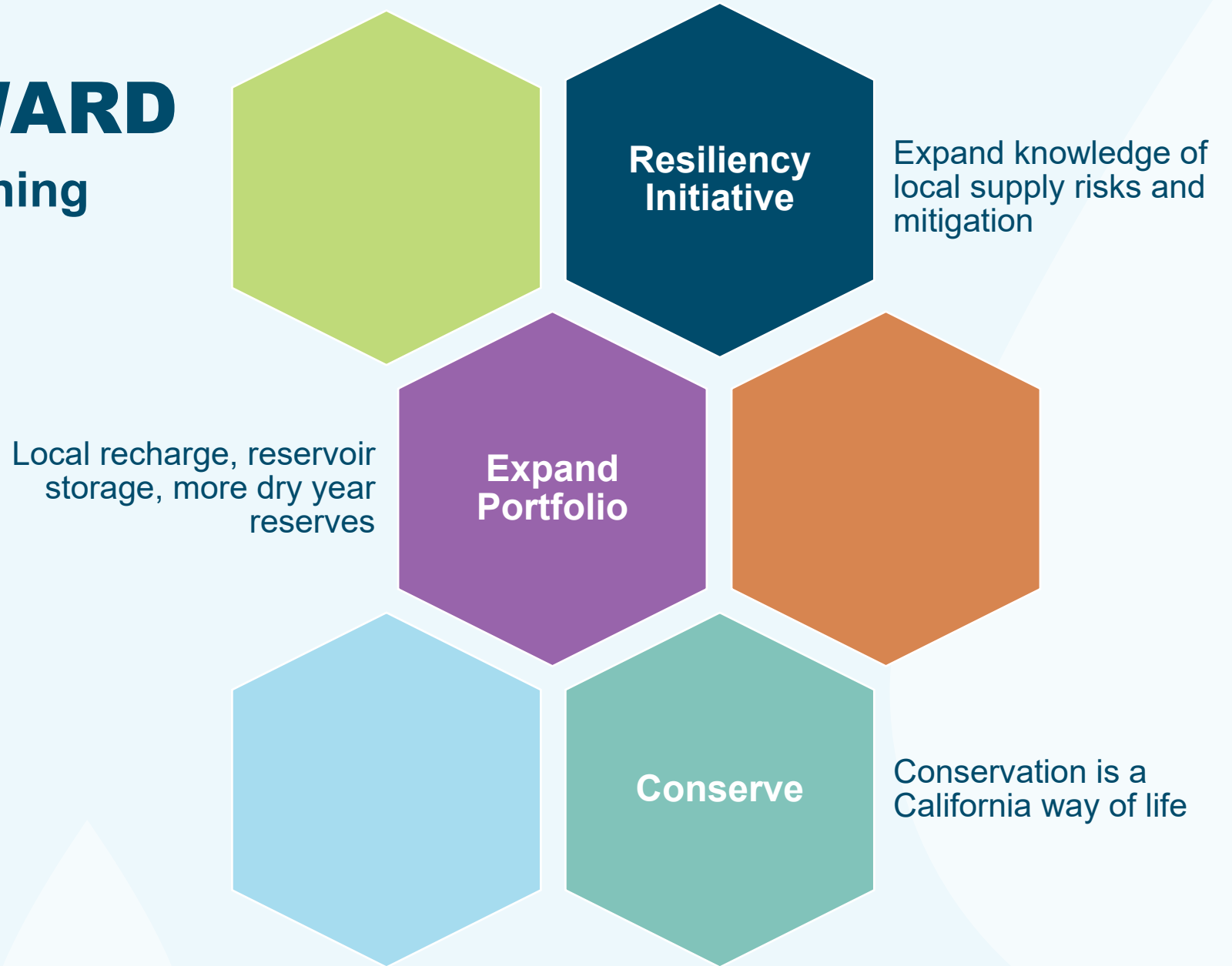
WATER PORTFOLIO TO THE RESCUE

Short-Term Planning

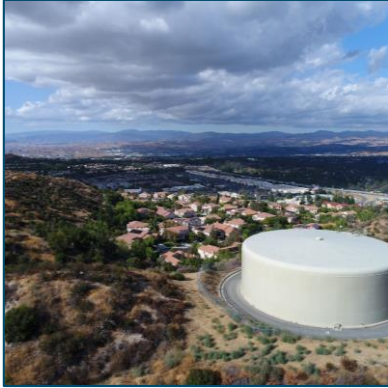
- Robust supply portfolio
- Every supply utilized
- Varying monthly limitations

MOVING FORWARD

Short & Long-Term Planning



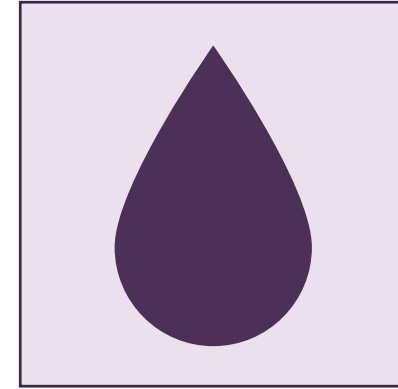
DIVERSIFIED SUPPLIES = SOLUTION



Groundwater



Imported Water



Recycled Water



**Banking
Programs**



**Future Import
Programs**



**Future Local
Programs**

QUESTIONS?

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SCV Water

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5/9/2024 | 13

