

# HOW SCV WATER KEPT THE WATER FLOWING

Amidst Extreme Weather and New Water  
Quality Regulations

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# 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

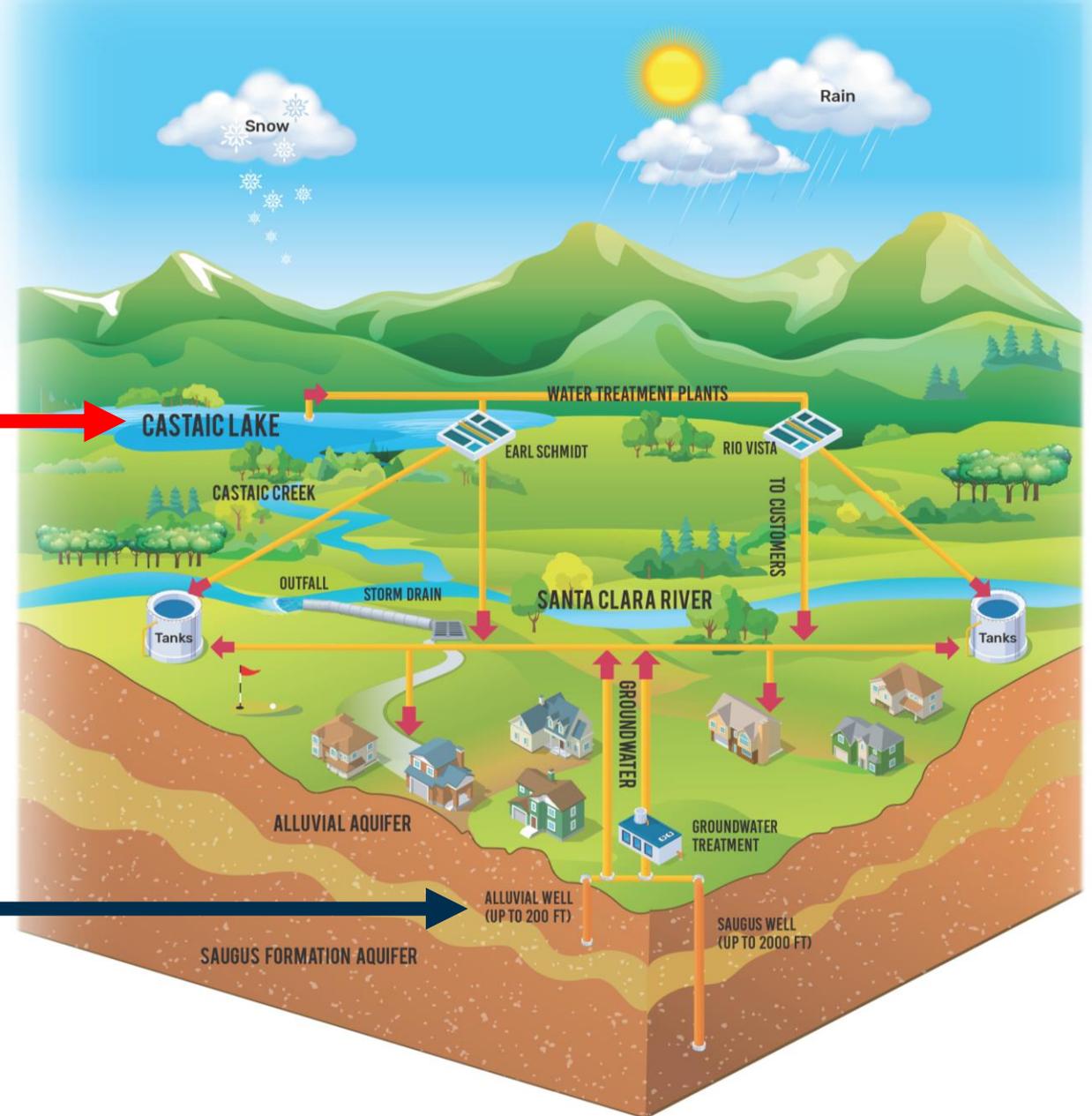
## Imported Supplies (50%)

- State Water Project
- Dry Year Reserves

## Local Supplies (50%)

- Groundwater
- Recycled Water

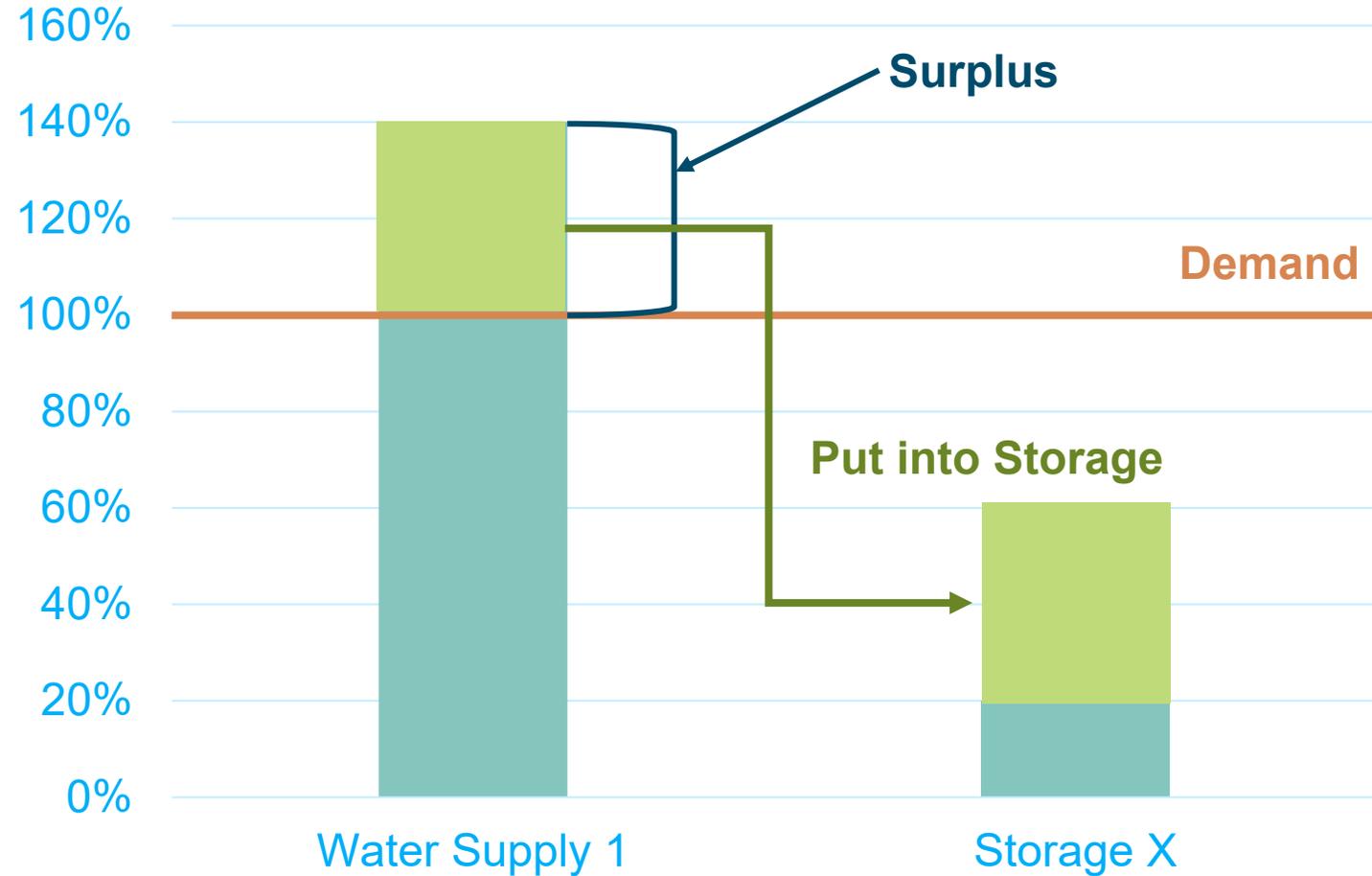
[yourSCVwater.com/your-water/](http://yourSCVwater.com/your-water/)



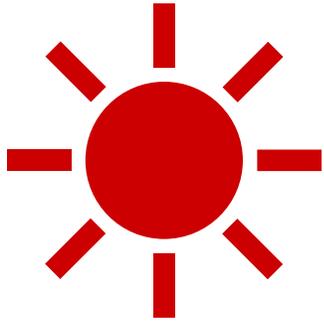
# WATER OPERATIONS BY “WATER YEAR” TYPE



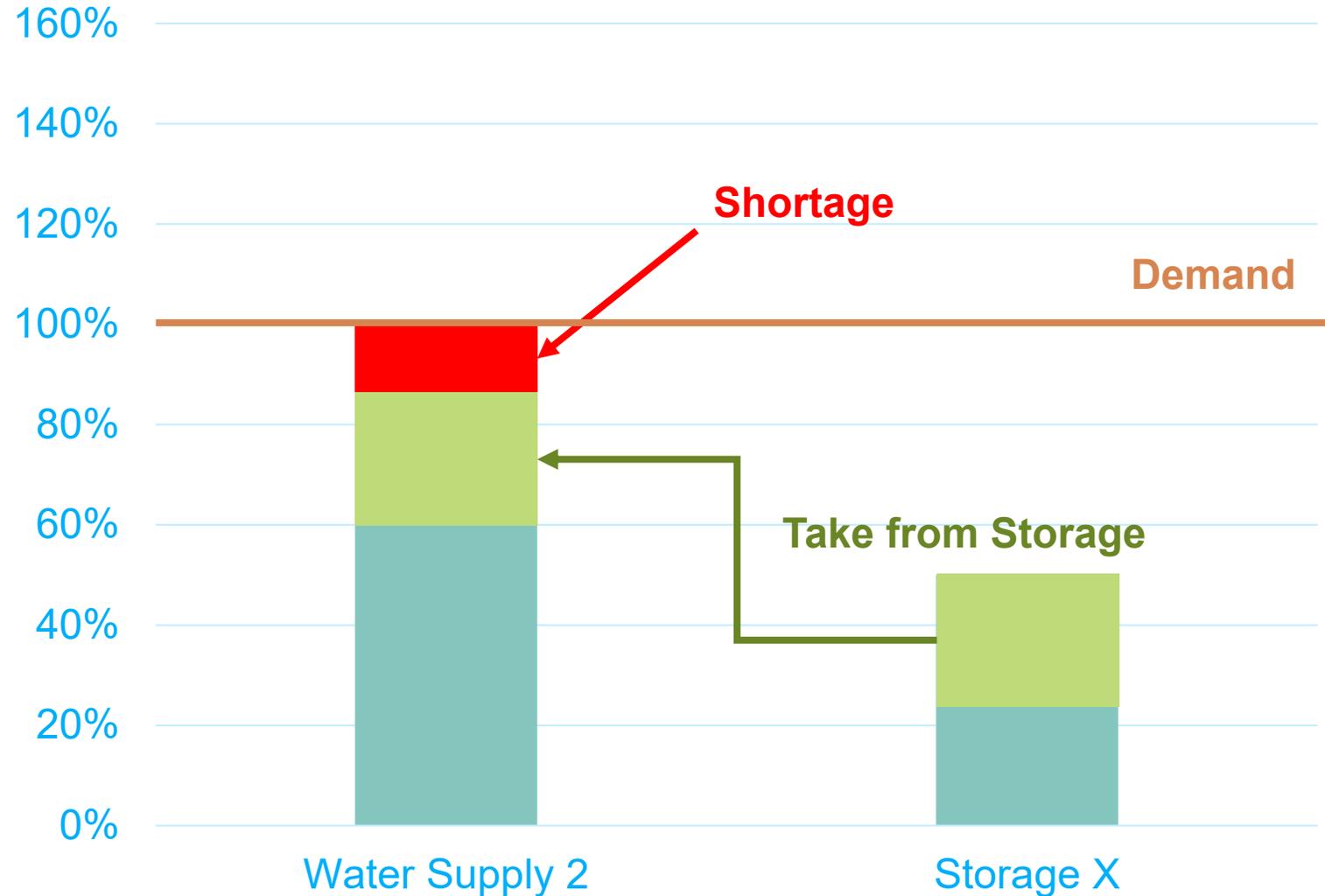
**Scenario 1:**  
**Normal-Wet Year**  
Supply greater  
than demand



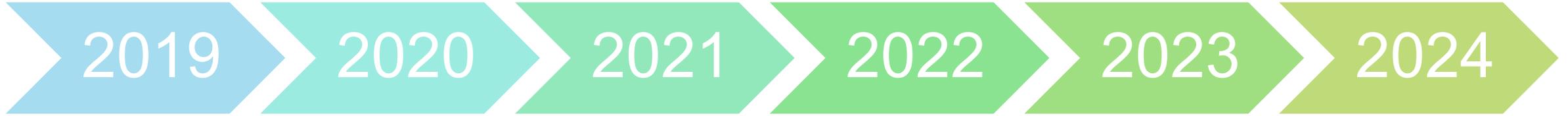
# WATER OPERATIONS BY “WATER YEAR” TYPE



**Scenario 2:**  
**Critically Dry Year**  
Supply less than demand



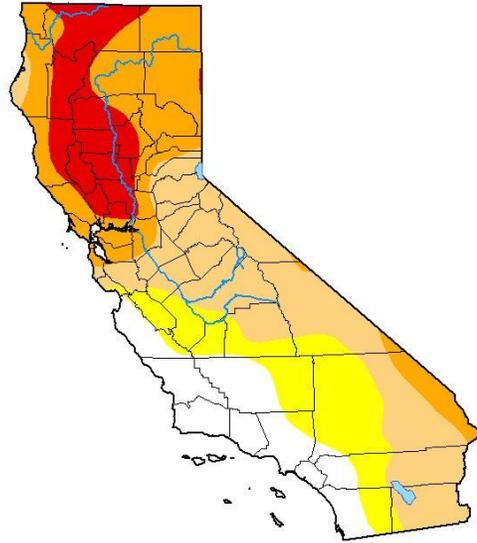
# RECENT FLASH DROUGHT



Oct. 2019



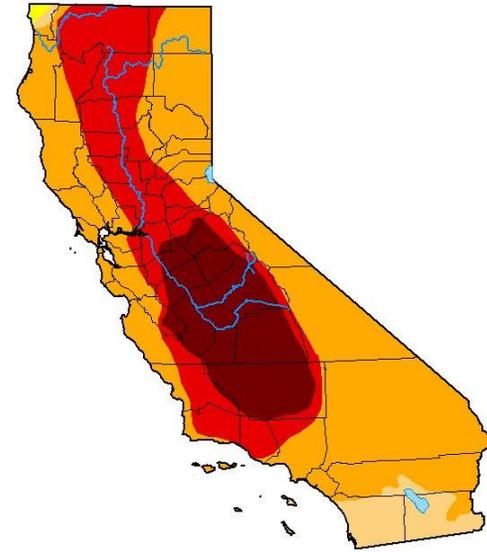
Oct. 2020



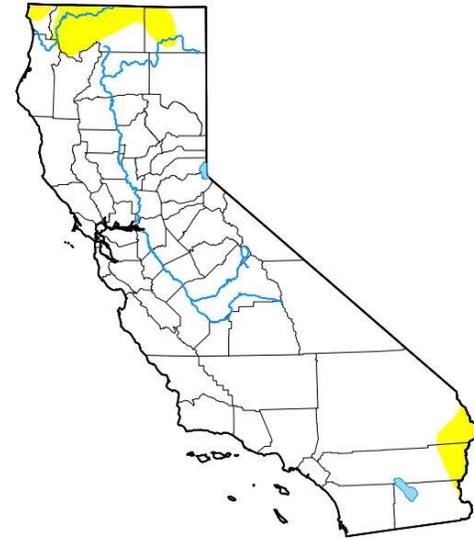
Oct. 2021



Oct. 2022



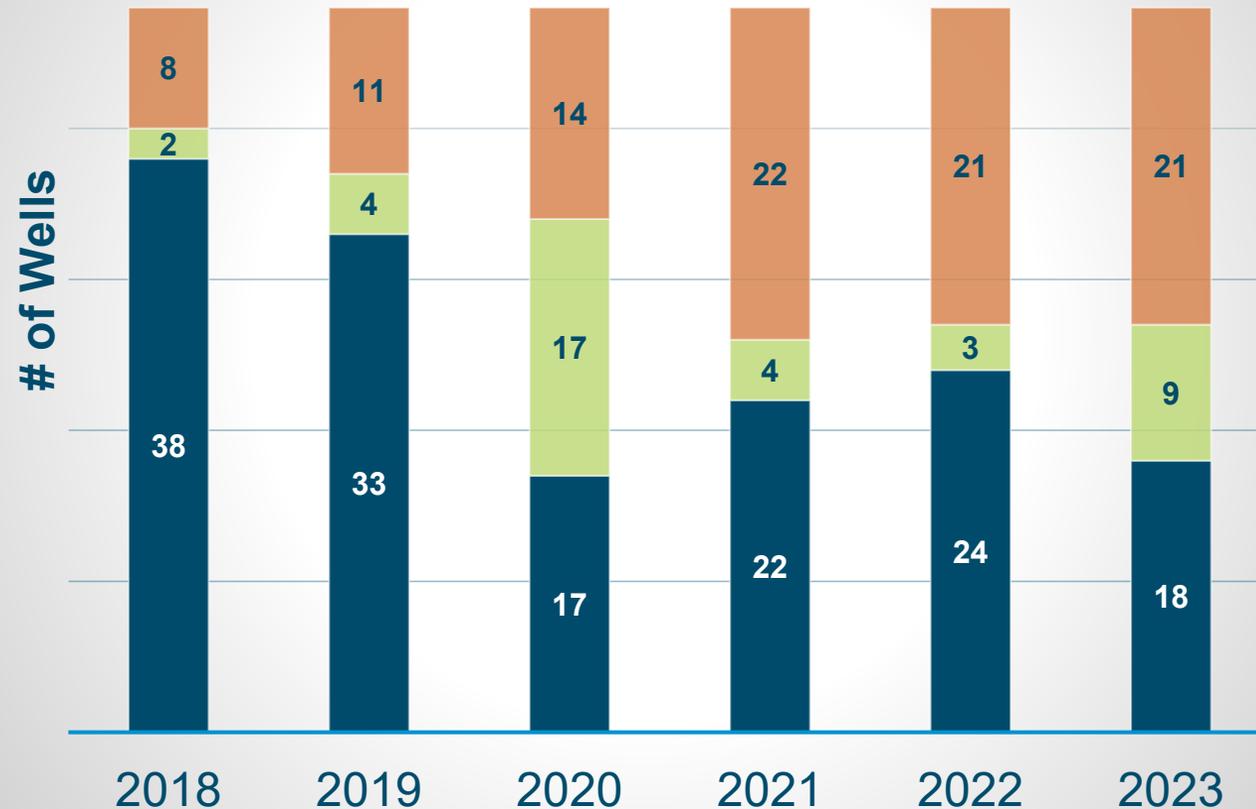
Oct. 2023



## Intensity



## 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

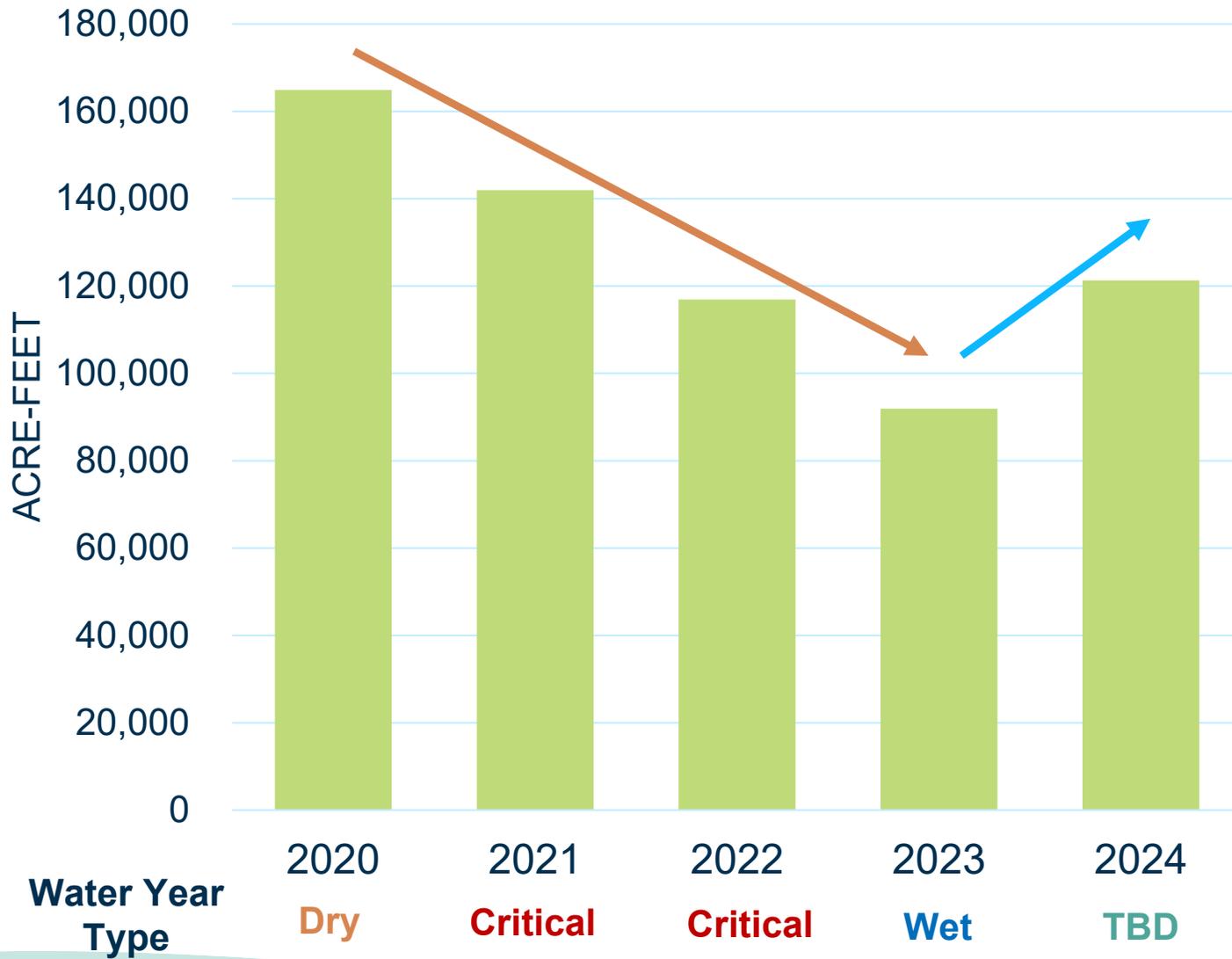
Major supply constraints  
Multi-year drought  
Record temperatures



## Demands

Dry warm conditions =  
higher demands  
Slow adjustment to  
conservation call

## Dry Year Reserve Program Balances



# SCV WATER'S RESPONSE

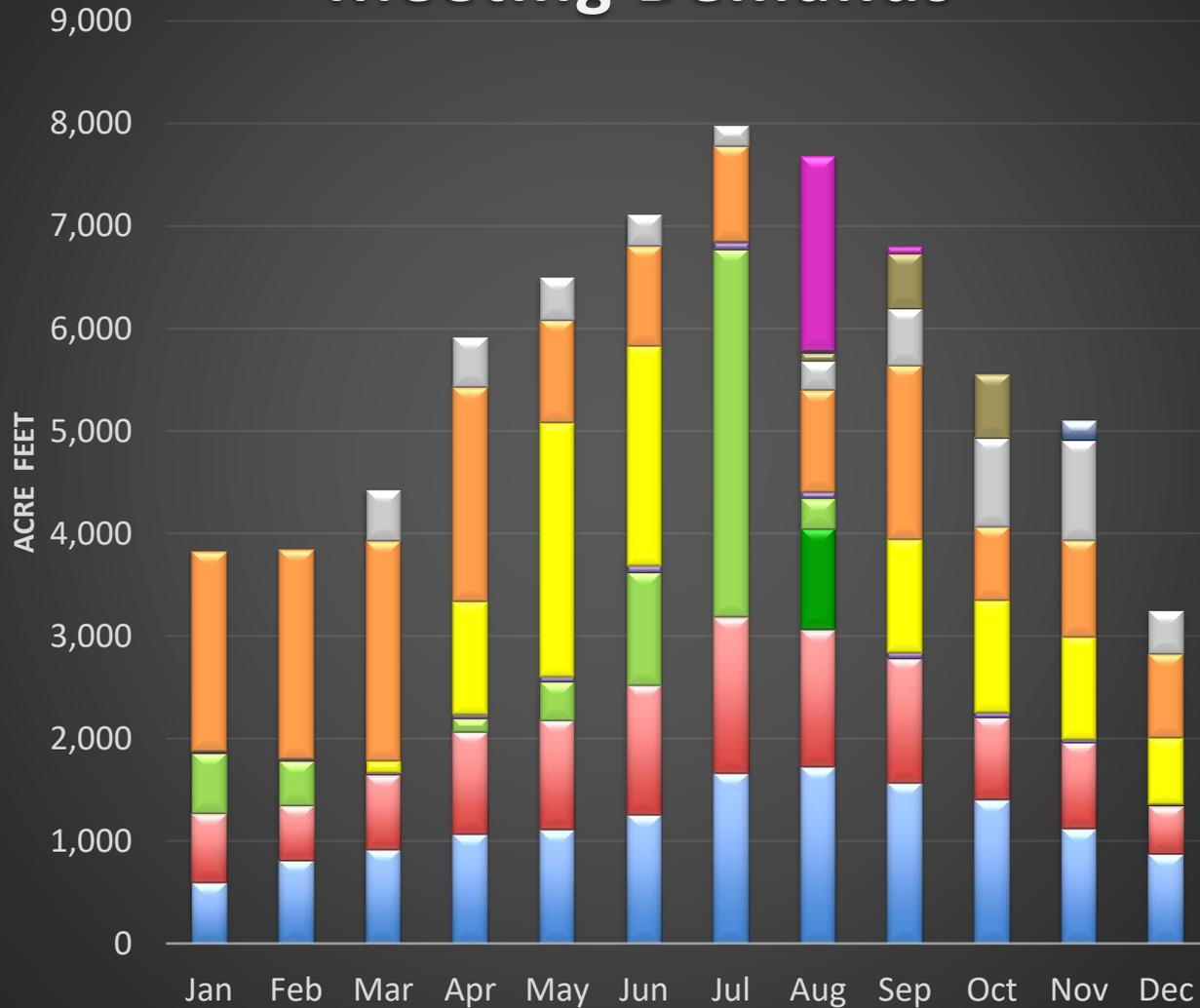
How we solved the problem

## Dry Year Reserves

2020 through 2023

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

# 2021 Snapshot: Meeting Demands



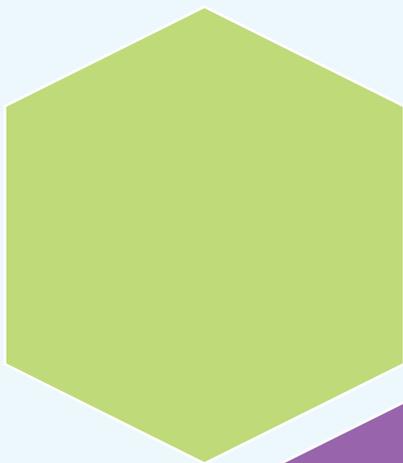
## WATER PORTFOLIO TO THE RESCUE

### Short-Term Planning

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

# MOVING FORWARD

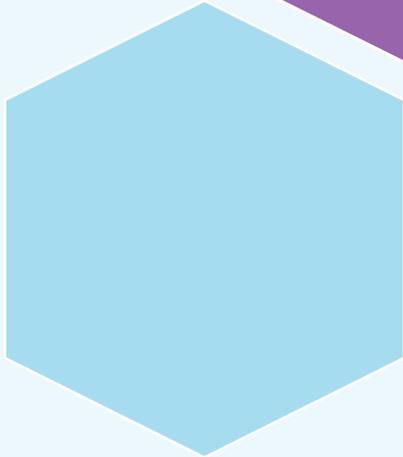
## Short & Long-Term Planning



Expand knowledge of local supply risks and mitigation

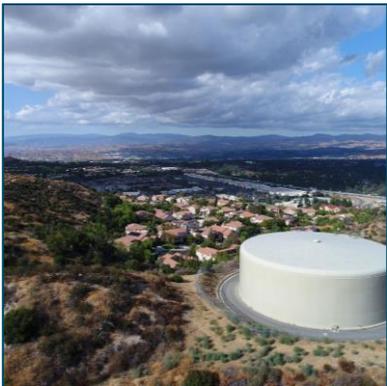


Local recharge, reservoir storage, more dry year reserves



Conservation is a California way of life

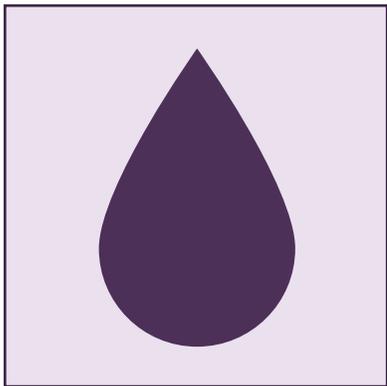
# DIVERSIFIED SUPPLIES = SOLUTION



**Groundwater**



**Imported Water**



**Recycled Water**



**Banking Programs**



**Future Import Programs**



**Future Local Programs**

# QUESTIONS?

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