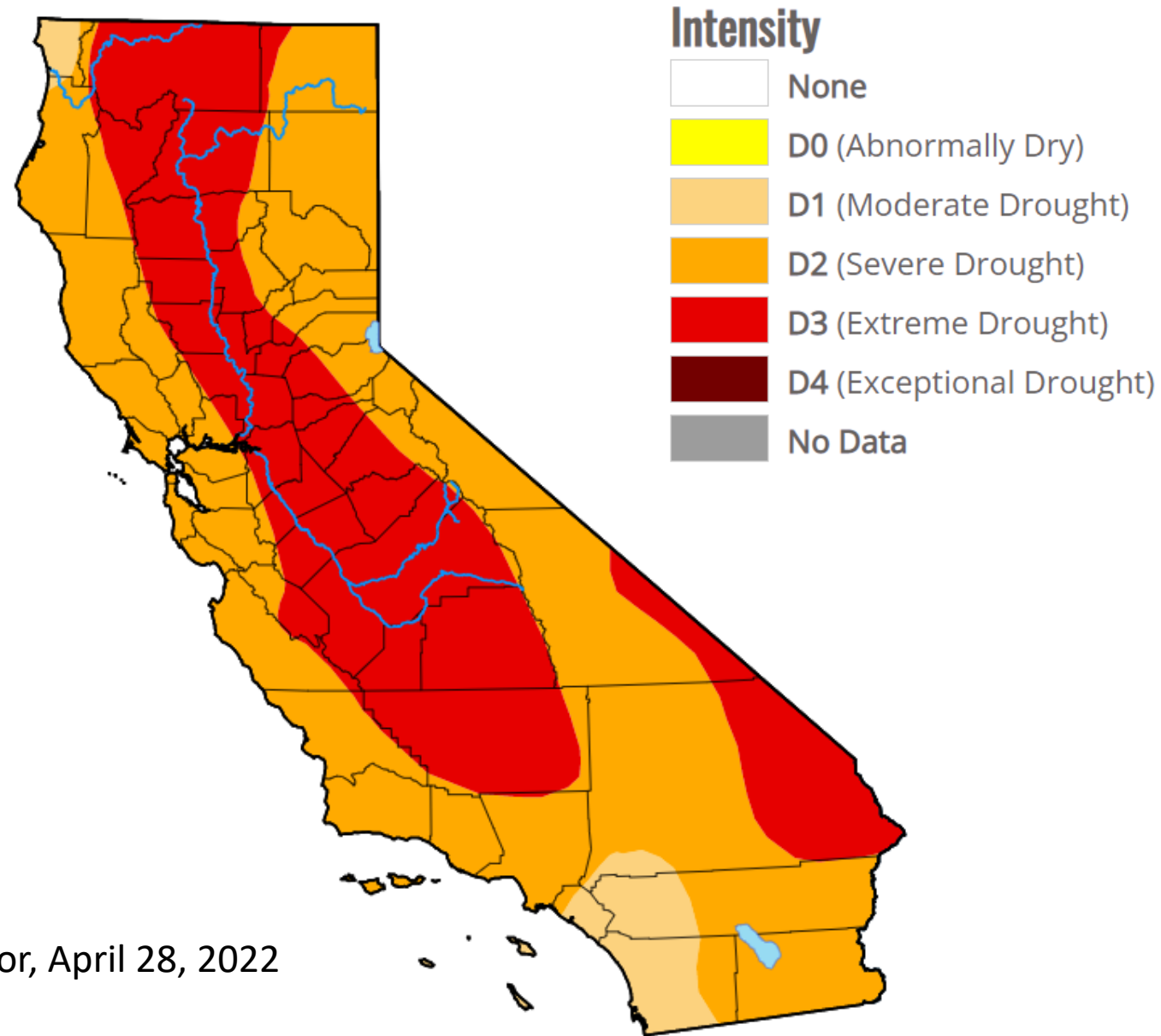




Monthly Drought Emergency Response, Water Supply Update, and Water Use Reduction Enforcement Plan

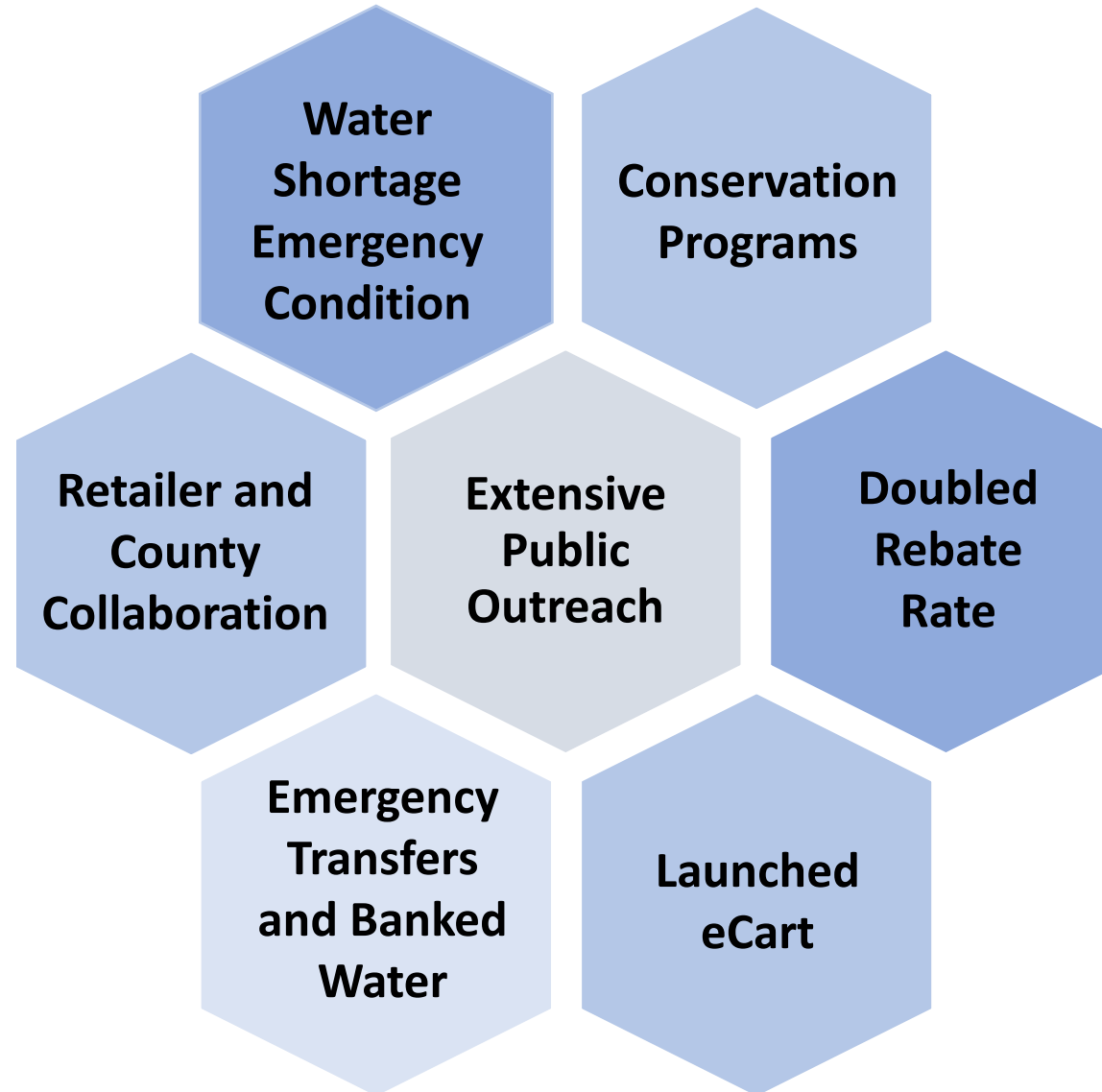
Valley Water Board Meeting
May 10, 2022

Severe Drought



Data source: U.S. Drought Monitor, April 28, 2022

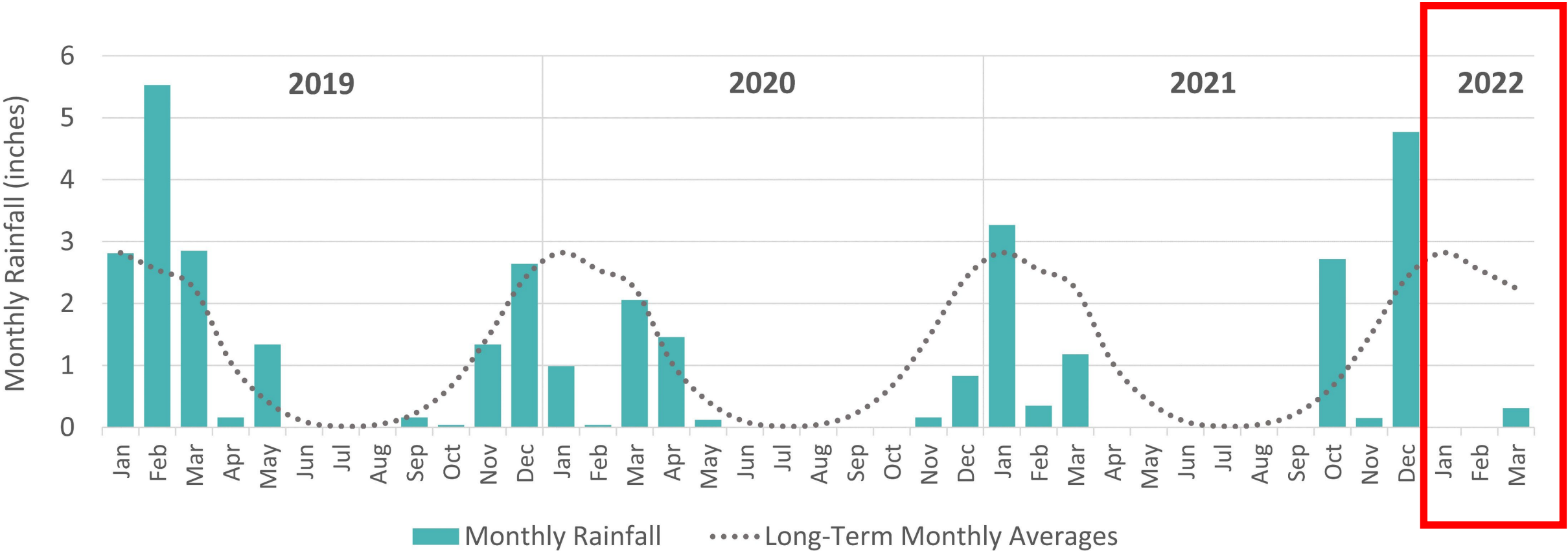
Early and Proactive Drought Response



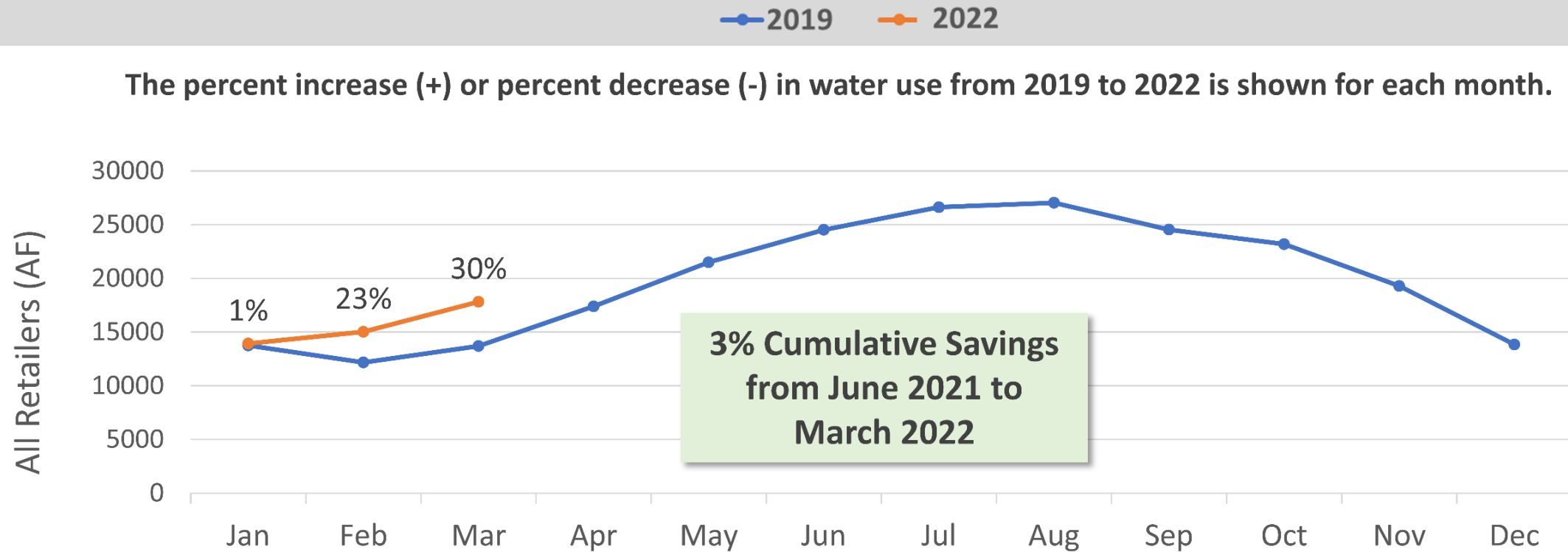
Driest first three months on record

Dry January – March increased irrigation demand

Record Low
Rainfall



Countywide Water Savings



- Goal to reach 15% call on annual cumulative basis
- **Water use reduction enforcement plan will help reach goal**

Historically Low 2022 Imported Water Allocations

- Allocations reduced after dry Jan through March
- **State Water Project** - 5% and minimum Human Health and Safety needs
- **Central Valley Project** - Public Health and Safety only (confirming 2022 amount) and 0% for Ag
- **Semitropic water bank withdrawal**
- **Emergency transfers**

Groundwater

- Recharge remains below average, but would be much lower without public health and safety supplies expected
- Water levels have declined but remain above 2014 levels due to emergency imported water supplies

Water Supply Scenarios Forecasted

One scenario in 2022 based on current imported water allocations and critically dry hydrology

Two drought scenarios in 2023:

- Dry Hydrology
- Critically Dry Hydrology (Worst Case)

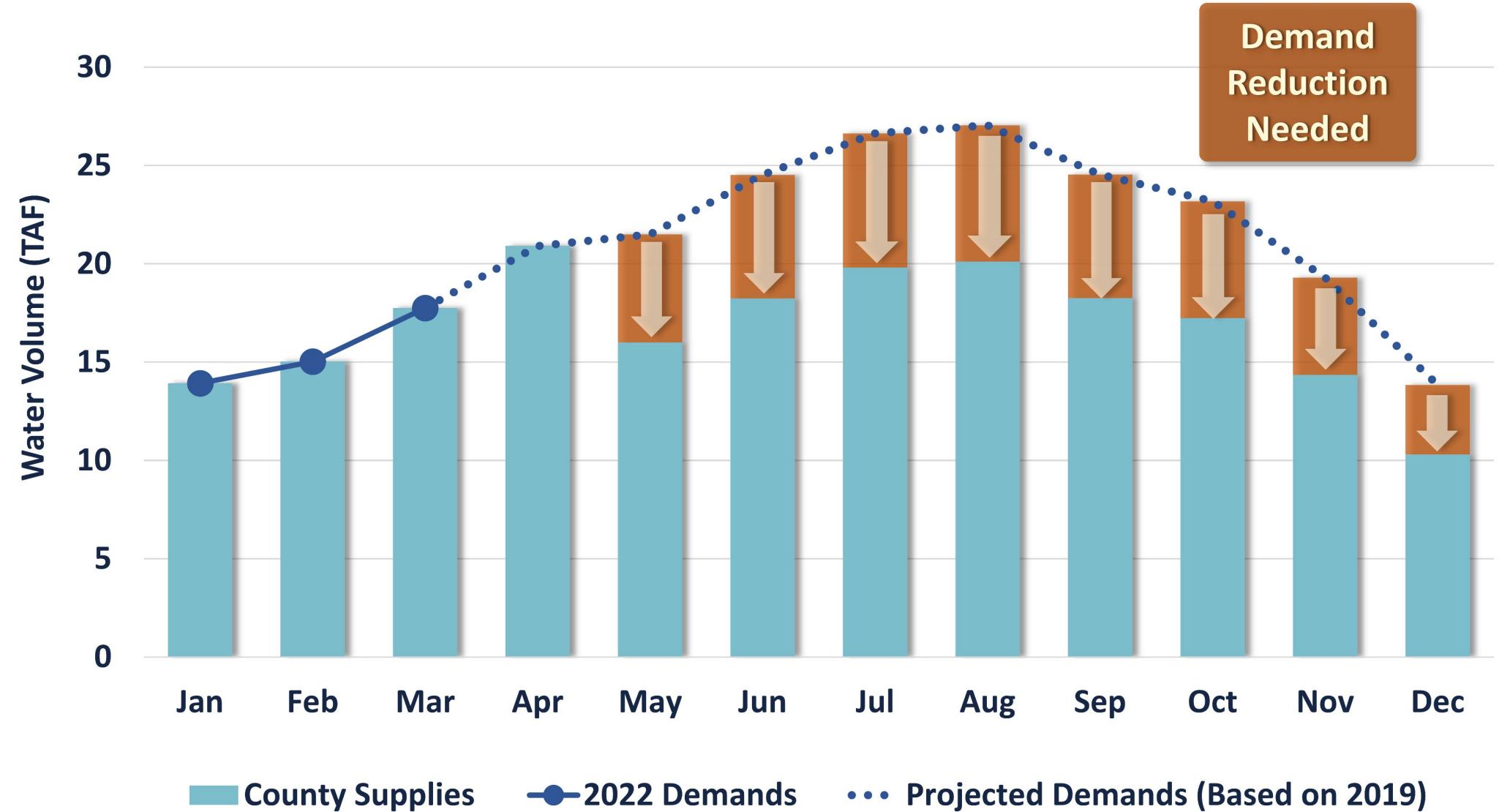
Scenarios Evaluated*

There is risk of subsidence and dry wells if critically dry conditions continue in 2023.
Water use must be reduced to ensure sufficient supplies.

Scenario	Calendar Year	Imported Supplies	Local Surface Supplies	WATER SUPPLY OUTLOOK		
				Groundwater Recharge	Treated Water	End of Year Groundwater Storage
Critically Dry	2022	Low (118 TAF)	Low (28 TAF)	Below Normal (73 TAF)	Maintain 2021 reduction (23%)	Normal (Stage 1) (306 TAF)
Dry	2023	Low (116 TAF)	Low (18 TAF)	Low (62 TAF)	Maintain 2021 reduction (23%)	Alert (Stage 2) (293 TAF)
Critically Dry	2023	Extremely Low (53 TAF)	Extremely Low (7 TAF)	Extremely Low (33 TAF)	Extreme reduction (35%)	Severe (Stage 3) (243 TAF)

*2022 scenarios assume demand reduced by 10% from 2019. 2023 scenarios assume achieving the Board's call for 15% demand reduction from 2019. Achieving the 15% call in 2022 would increase groundwater storage by 13 TAF in 2022 and 2023.

Summer demands must drop to ensure sufficient supplies



Valley Water will enforce water waste restrictions

Ordinance for Board consideration on May 24, 2022 with
penalties for violators of water waste restrictions

- to enforce irrigation restrictions for non-functional landscape in amended Resolution 22-20
- authority set forth in Article X of the California Constitution, Water Code §350 and §375, Santa Clara Valley Water District Act

Enforcement through Valley Water's Water Waste Program

- Enforcement to be based on existing program
- Expanded public outreach
- Vendor to help address more reports
- Budget adjustment will be brought to Board if needed
- Water waste notification letters/door hangers on program will state that **failure to comply with water waste restrictions may result in future enforcement action**

Collaboration with Retailers

- Consistent drought coordination since June 2021 Resolution 21-68
- Valley Water's enforcement program to complement retailers' existing enforcement programs

Public Outreach for Drought, Conservation, and Enforcement

Messaging on 2-day irrigation limit

Drought news conference

Spring conservation campaign

Board statements and column

Speakers Bureau presentations

Public outreach to be conducted to create awareness of enforcement



Water Use Reduction Enforcement Plan

Enforcement will

- Conserve scarce supplies
- Prepare for a possible fourth year of drought
- Help reach Board's call for water use reduction

Ordinance for Board consideration on May 24, 2022

QUESTIONS

