

The Magnitude of Managing San Diego County's Water

February 14, 2023

San Diego Retired Employees Association

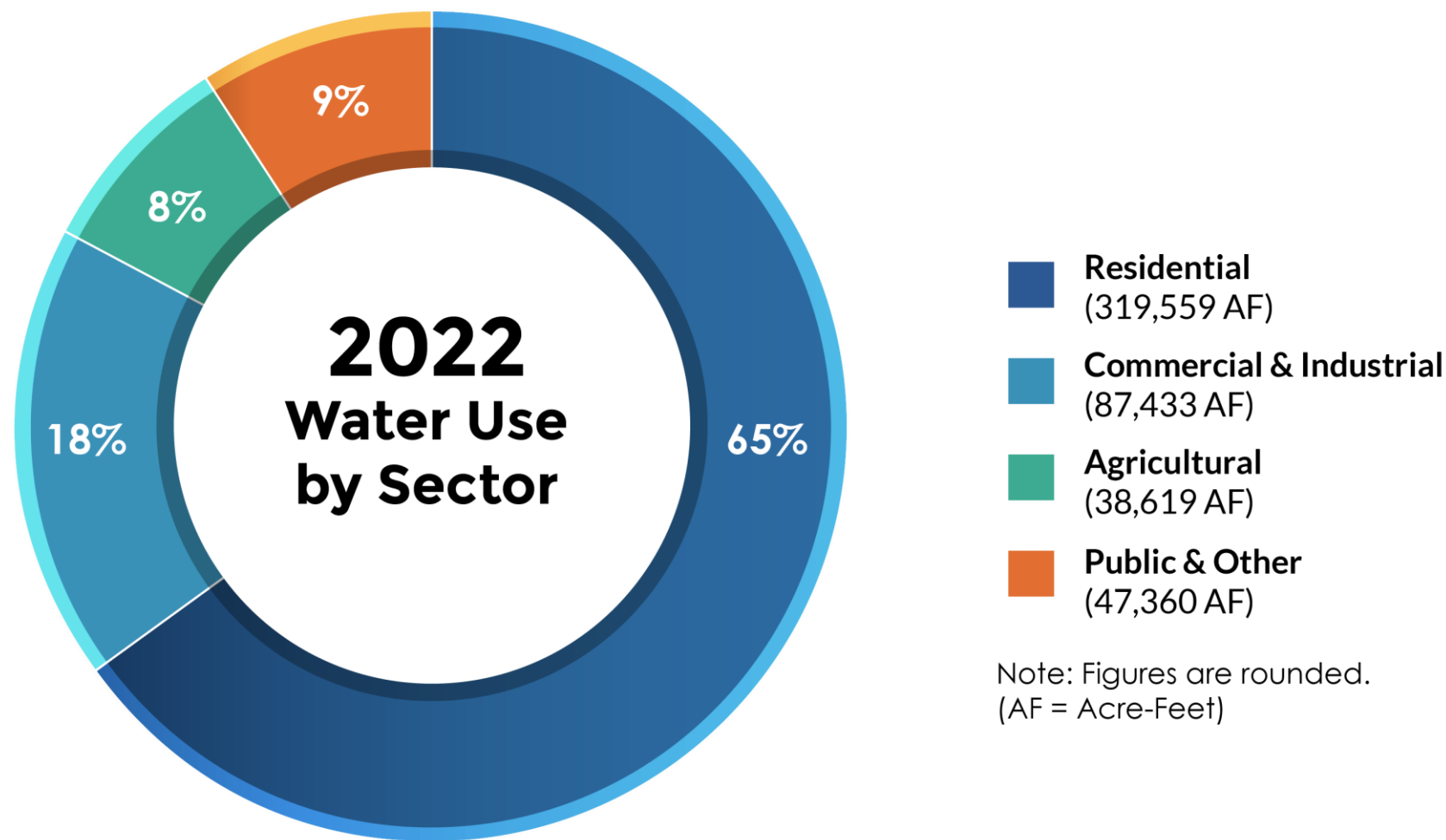
Efren Lopez
Water Resources Specialist

Serving a Vibrant Region

Established in 1944
24 member agencies
3.3 million people
\$268 billion economy



FY 2022 Water Use by Sector



Diversifying Our Water Supply

Reducing Dependence on Imported Water

26%
**Local Water
Supply**

74%
Colorado River

<1%
State Water Project



*Data based on 2022 water supply

Recent Storm Update

Second DWR Snow Survey of Water Year 2023

9 atmospheric rivers between
December 26 and January 17

February 1, 2023

- Statewide snowpack 206% of average
- Some state reservoirs still below historic average

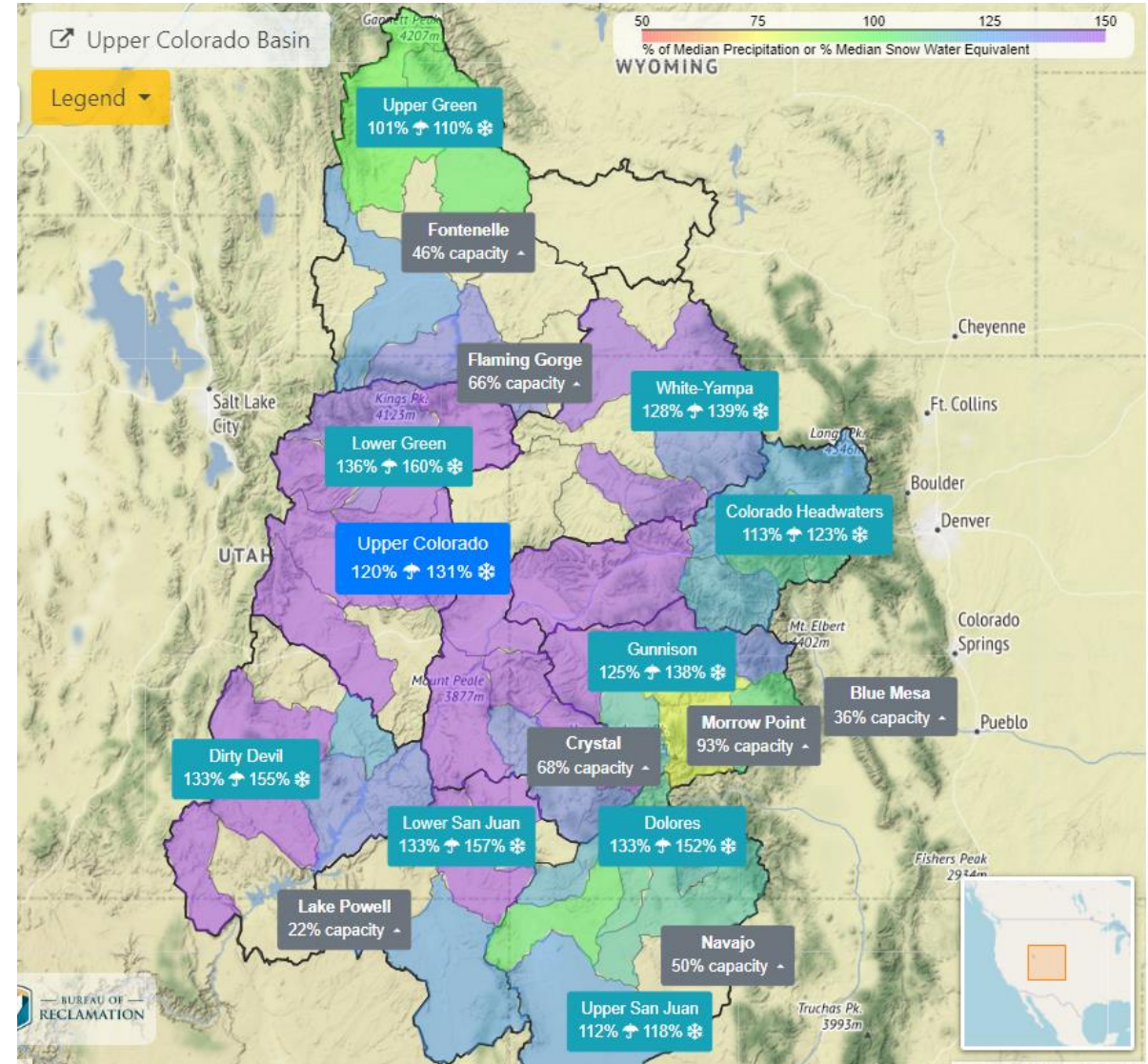
State Water Project to Increase
Expected 2023 Deliveries



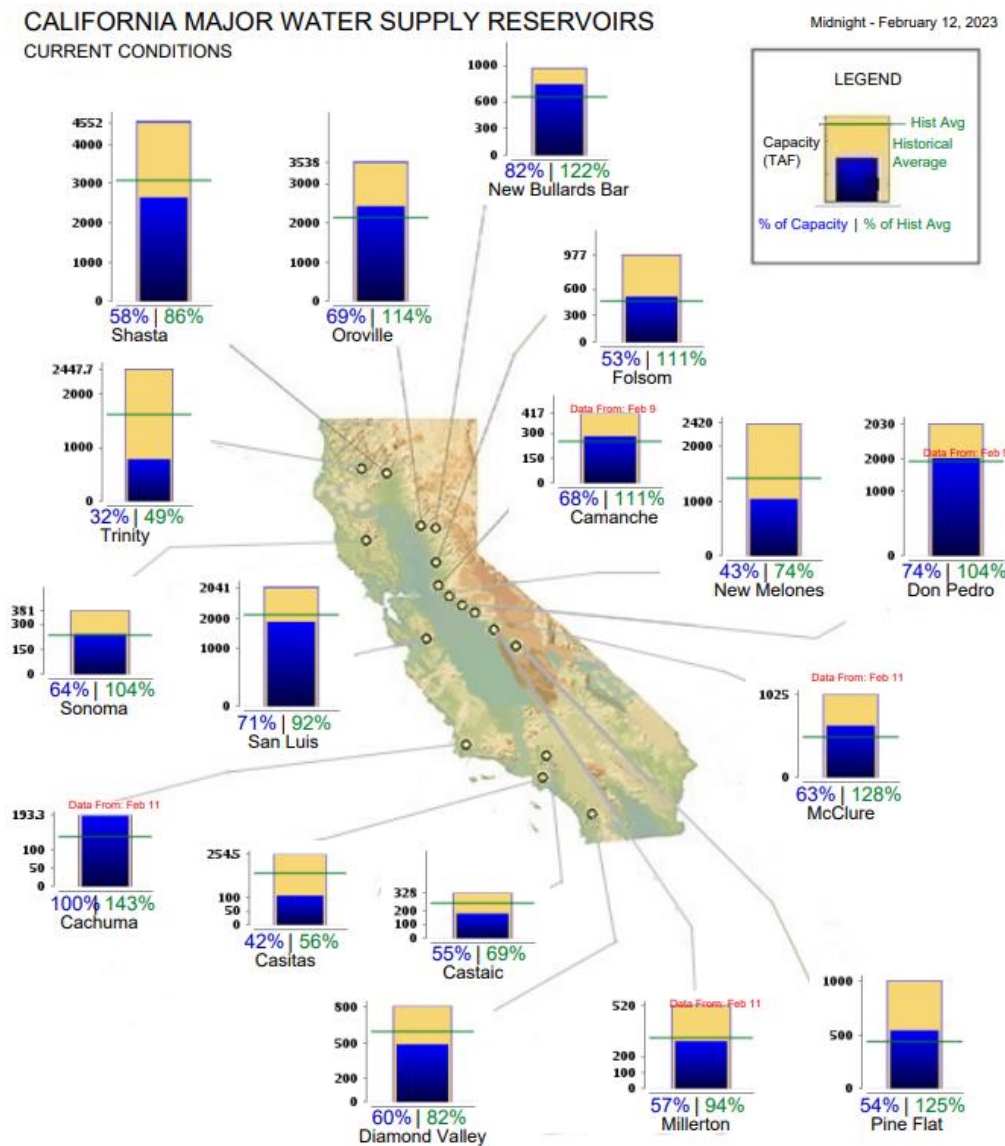
Colorado River Basin Conditions

As of February 13, 2023

- Precipitation 120% of normal
- Lake Mead 29% full (7.4 MAF)
- Lake Powell 23% full (5.4 MAF)



California Reservoir Storage



Lake Oroville



San Luis Reservoir

Local Precipitation – Water Year 2023 *

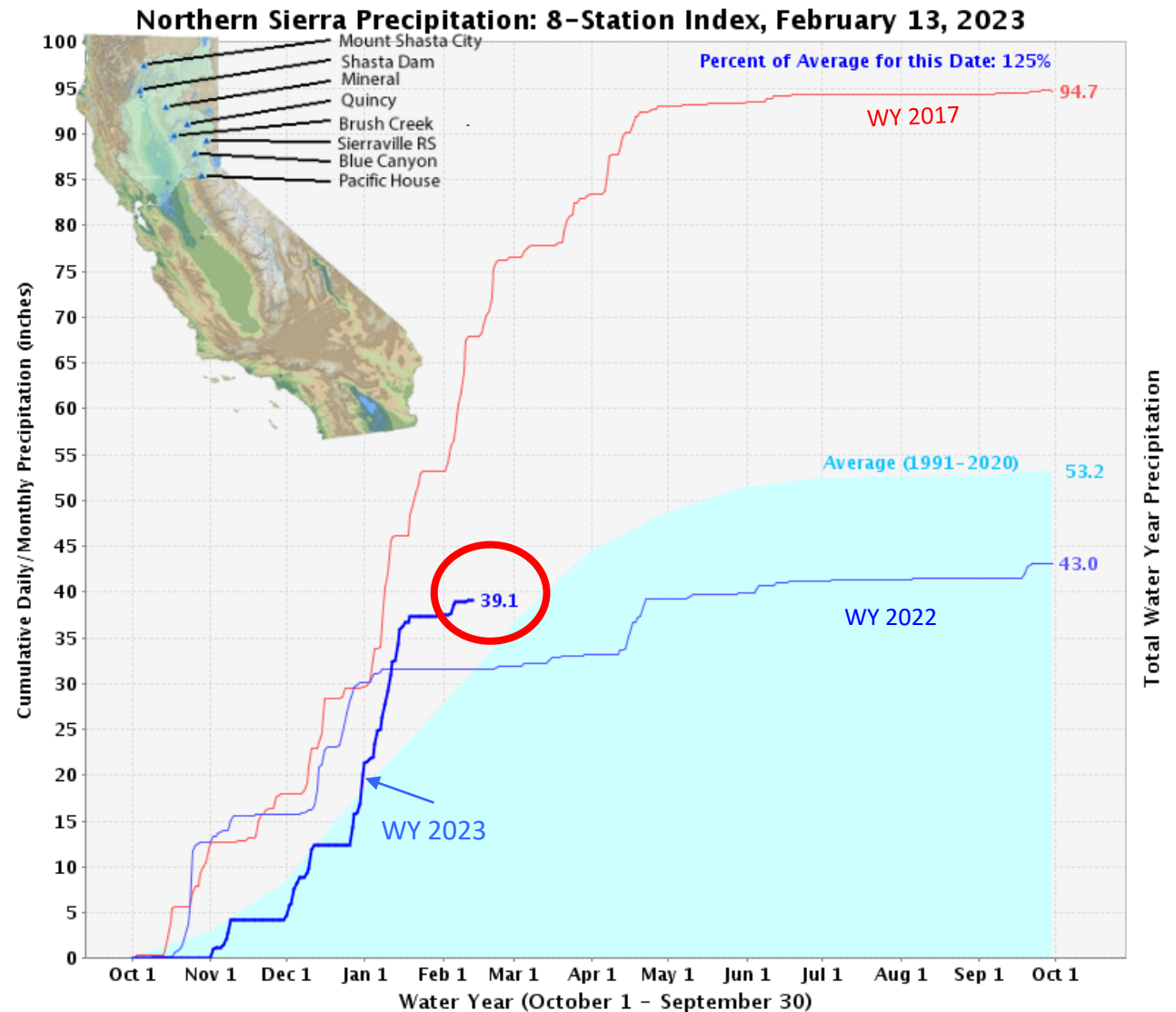
Station	Actual	% Normal
Lindbergh Field	8.27 in.	143%
Ramona Airport	13.62 in.	165%

* October 1, 2022 - February 13, 2023

Too Soon to Declare Drought Over

It's not over yet

- Previous water years started wet and ended dry
- Need more wet months to declare end of drought
- Continue to promote water use efficiency



Strategic Investments in Supply Reliability



Local Surface Water Storage
\$1 billion



Carlsbad Seawater Desalination
\$1 billion



QSA Water Transfer & Canal Linings
Hundreds of Millions \$



Pipeline Relining
\$493 million



**Potable Water Reuse
& Purple Pipe**
Hundreds of Millions \$



**Twin Oaks Valley Water
Treatment Plant**
\$179 million



**Water Use-Efficiency
Investments**
Hundreds of Millions \$

Conserved Water Supplies

Quantification Settlement Agreement

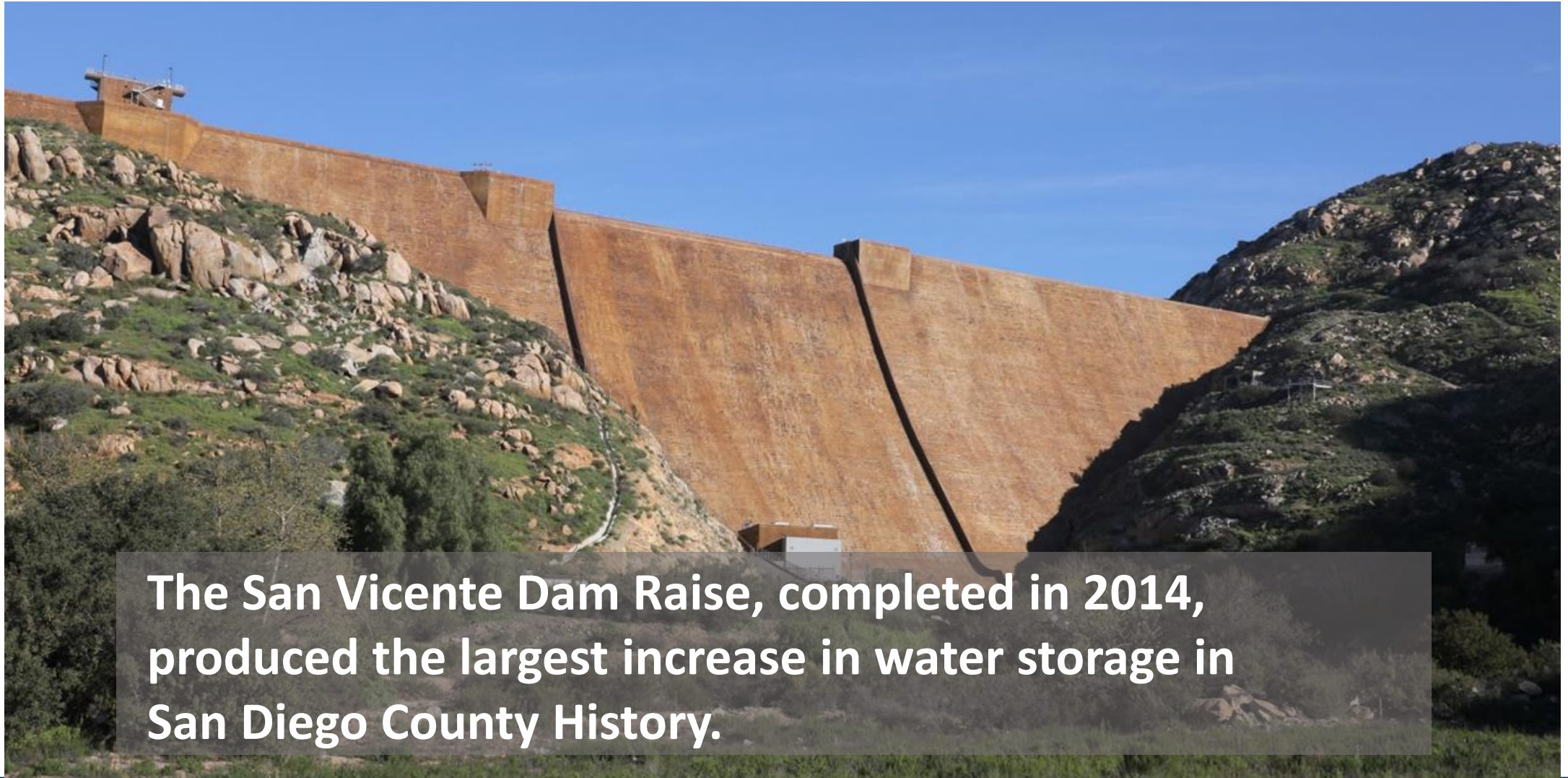


All-American and
Coachella Canal lining projects



Conserved Agricultural runoff
and water transfer agreements

Infrastructure Upgrades



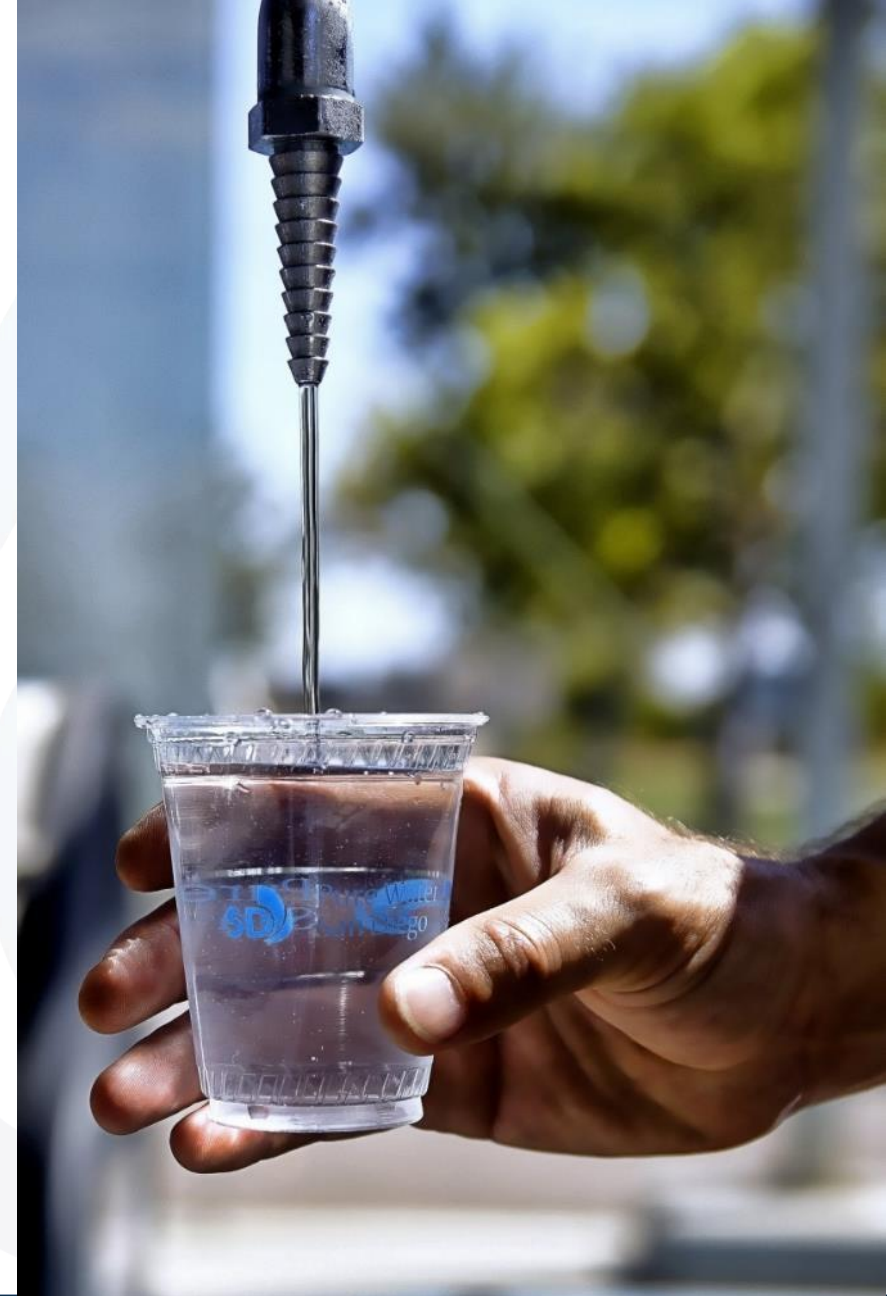
The San Vicente Dam Raise, completed in 2014, produced the largest increase in water storage in San Diego County History.

Claude "Bud" Lewis Carlsbad Desalination Plant

The Carlsbad Desalination Plant is the largest seawater desalination plant in the nation.

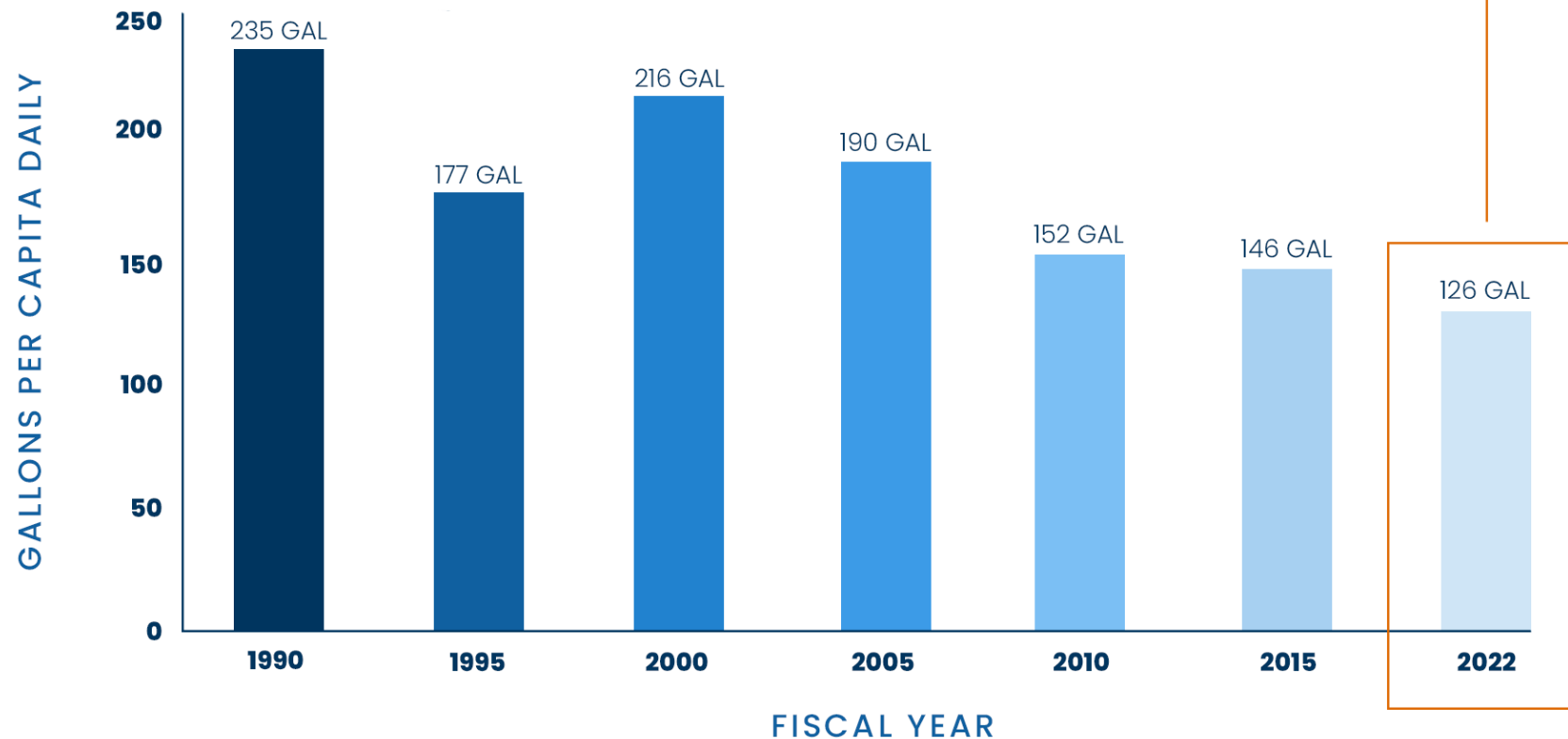


Potable Reuse Projects

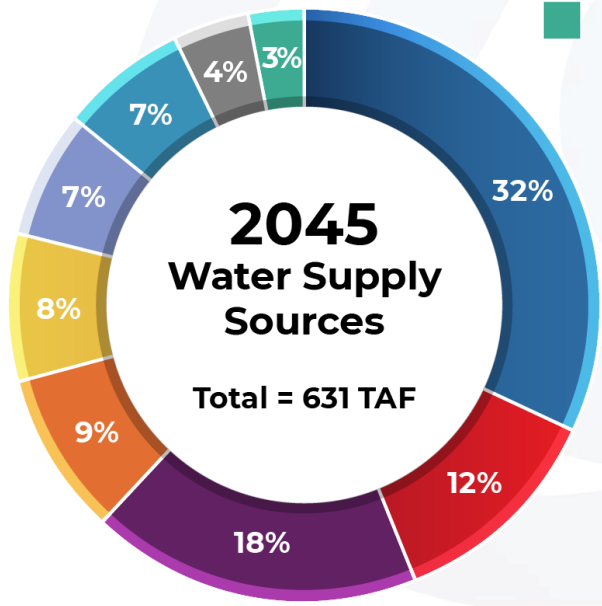
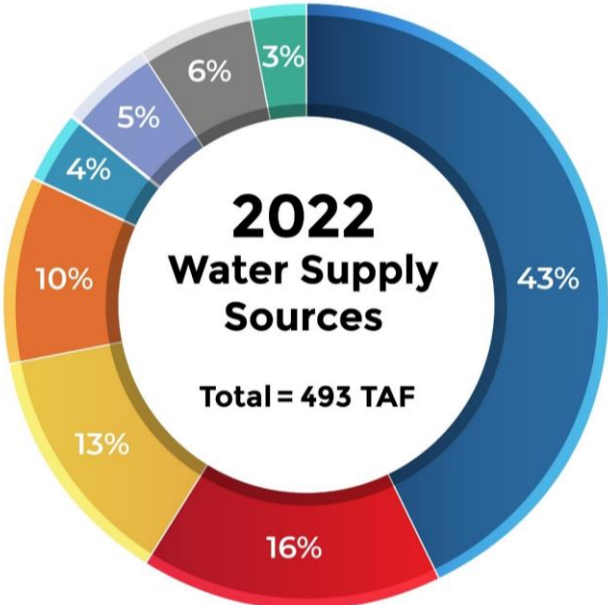
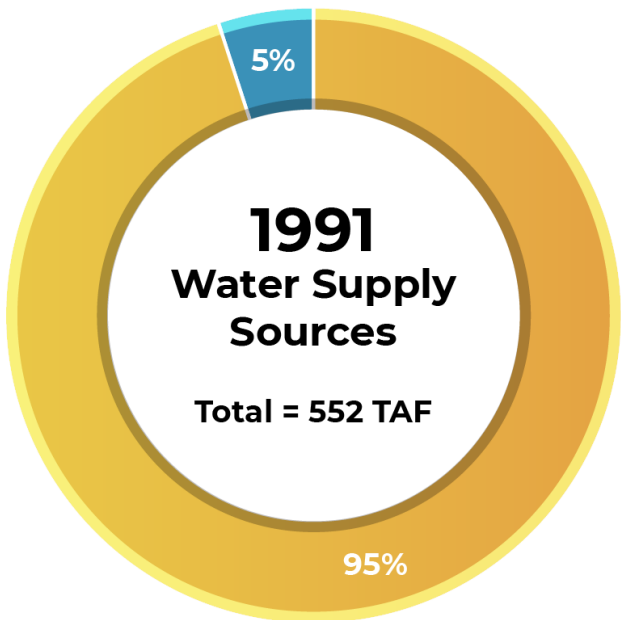


Water Savings Continue into Current Drought

Per capita water use in San Diego region has declined more than 40% since 1990



Results of Supply Diversification



- Conserved Water/IID
- Conserved Water/Canal Lining
- Potable Reuse
- Seawater Desalination
- Metropolitan Water District
- Recycled Water
- Local Surface Water
- Groundwater
- San Luis Rey Water Transfer

Rebates and Resources

Commercial and Residential



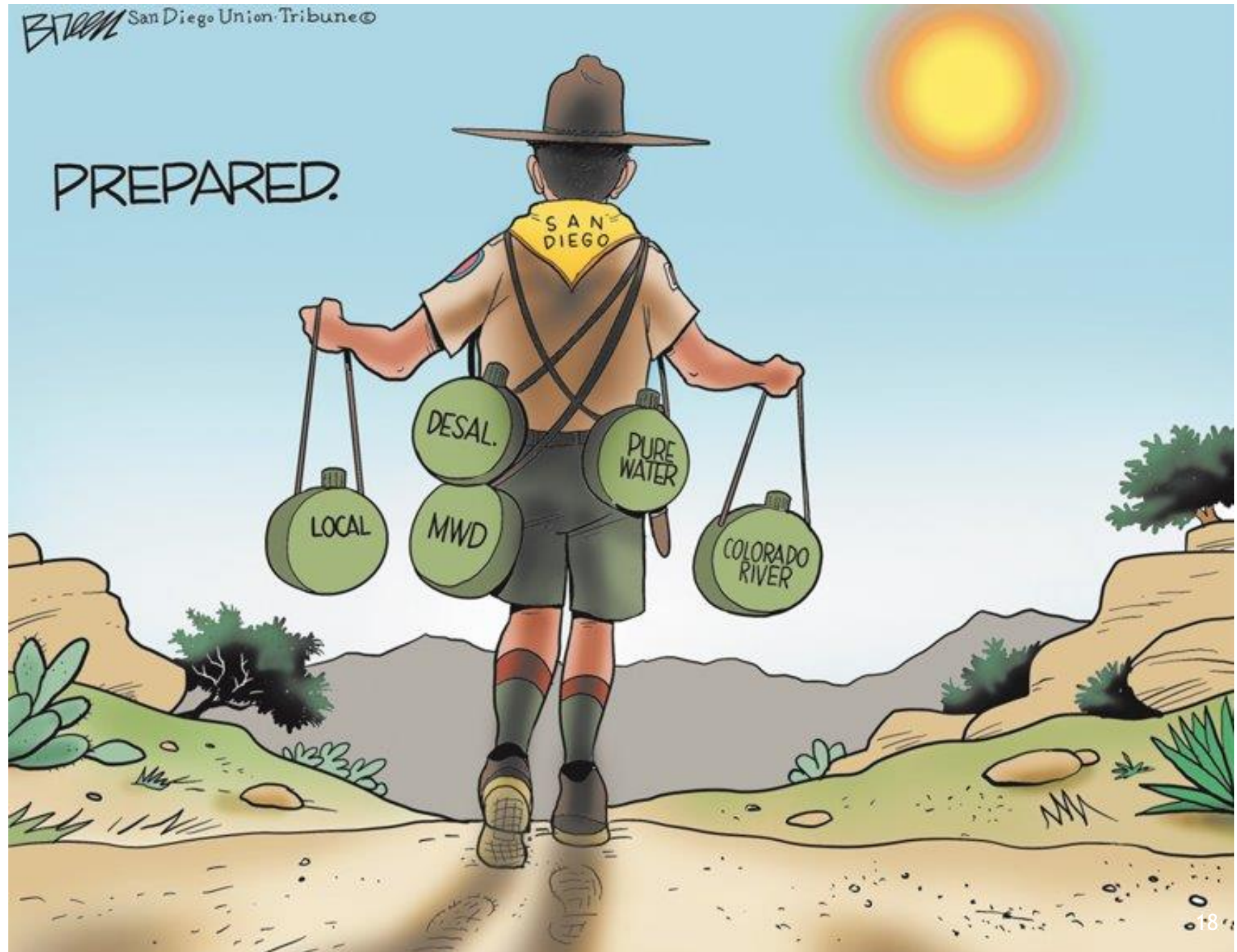
SAVE EVERY DAY
EVERY WAY
SAN DIEGO COUNTY

[WaterSmartSD.org](https://www.WaterSmartSD.org)



San Diego County Water Authority
And Its 24 Member Agencies

A “Poster Child for Readiness”





SDCWA.org



**WaterNews
Network.com**



SDCWA



SDCWA



**SanDiegoCounty
WaterAuthority**



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