



Why San Diego County is Ready for Drought

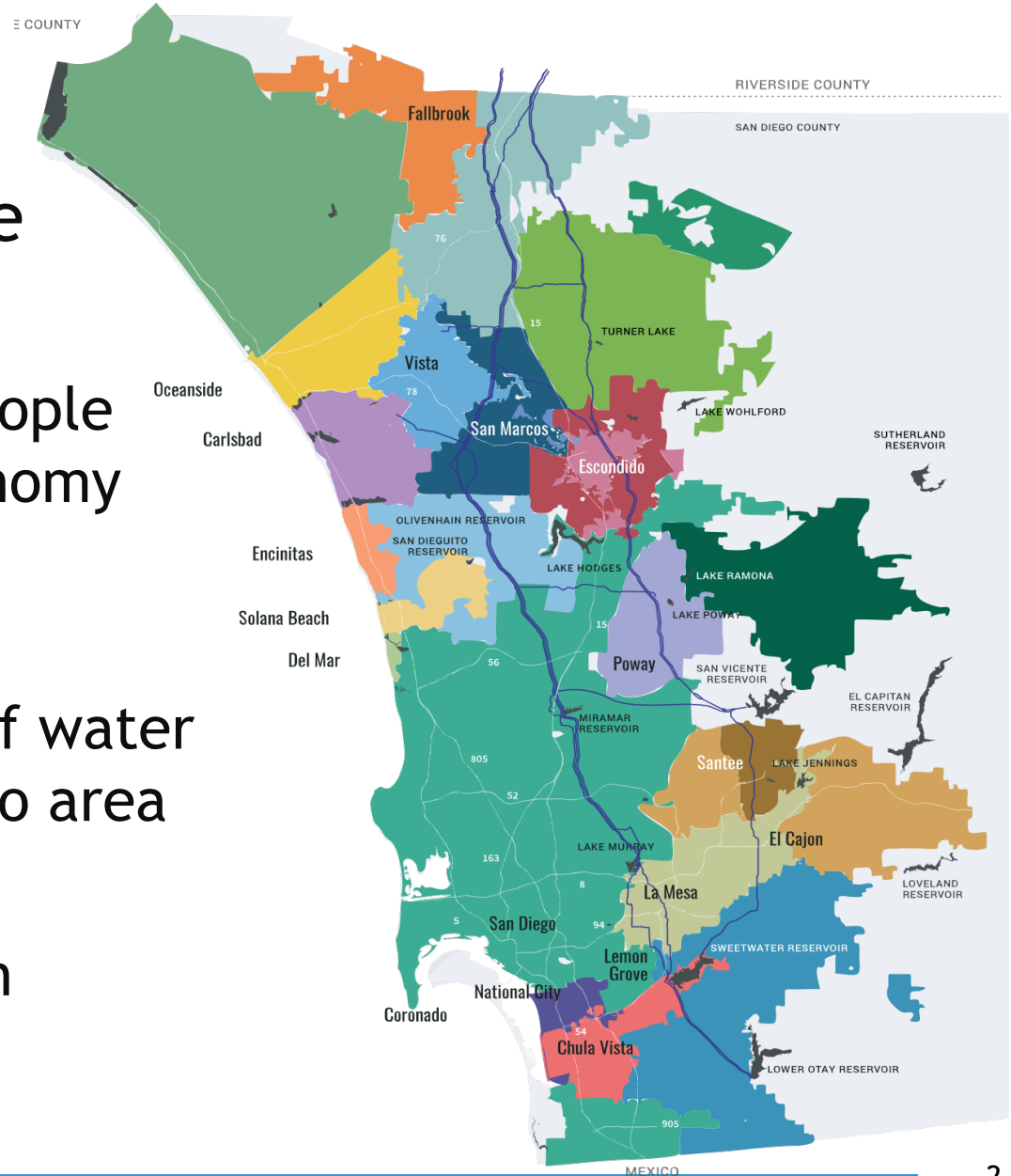
Southern California Water Dialogue
July 27, 2021

Dan Denham, Deputy General Manager
San Diego County Water Authority

Water Authority Serves a Vibrant Region

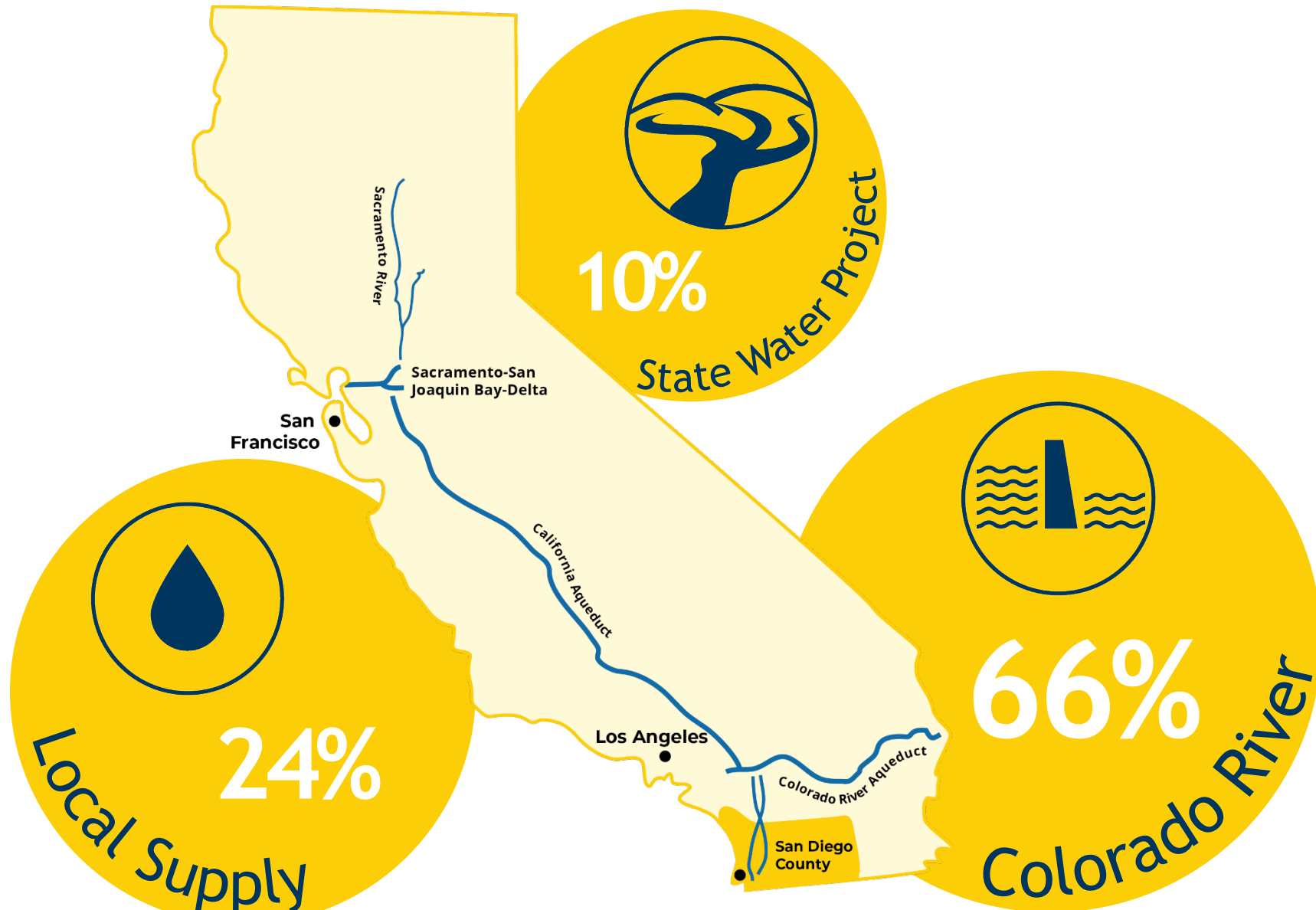
Wholesale agency
created by the state
Legislature in 1944

- Serves 3.3 million people and \$253 billion economy through 24 member agencies
- Provides about 75% of water used across the metro area
- 36-member Board represents the region




SD County Water Supply Sources

FY 2016 - 2020 Five-Year Average



Our Region is Well Prepared for Dry Years

- 
- Water conservation is hard-wired in San Diego County
 - High-priority rights on the Colorado River are secure
 - Drought-resilient supplies include desal
 - San Diego County's water supplies are reliable even in multiple dry years

1991 Drought Headlines

Companies cringe at 50 percent cut in water

Firms offer conservation plans to mayor; some say cutbacks could cripple growth

State to Shut Off Water Delivery to Southland

By VIRGINIA ELLIS
and TED ROHRLICH
TIMES STAFF WRITERS

SACRAMENTO — Gov. Pete Wilson on Monday announced new and unprecedented cutbacks of state water deliveries so drastic that Southern California will be cut off from this traditional source of water by mid-March.

Wilson said that heightened drought conditions had forced the state to notify cities and industry

Water Dependence Bodes a Dry San Diego Future

■ **Drought:** A twisted history of water politics has left the county at the vulnerable end of the supply pipeline.

50% Water-Delivery Cut Will Be Blow to San Diego

■ **Drought:** Metropolitan Water District directors also vote a 90% cut in allocation for agricultural users.

Grim water outlook is getting even worse

By Steve LaRue
Staff Writer

SACRAMENTO — Southern Californians are likely to be ordered to cut back their water consumption by an unprecedented 30 percent this spring unless more snow falls on the Sierra Nevada, the area's chief water official said yesterday.

State Water Project cuts off water to farms; urban slash expected





Conservation



Canal Linings



Reclaimed Water

Water Reliability Through Diversification



Carlsbad Desal Plant



Potable Water Reuse



Local Surface Water

Innovative Investments in Supply Reliability



Twin Oaks Valley Water Treatment Plant
\$179 million



Local Water Storage
(San Vicente and Olivenhain Dams)
\$1 billion



Decades of Water Use Efficiency Investments
Hundreds of Millions \$



Lake Hodges Energy & Pumped Storage Projects
\$208 million



Pipeline Relining \$493 million

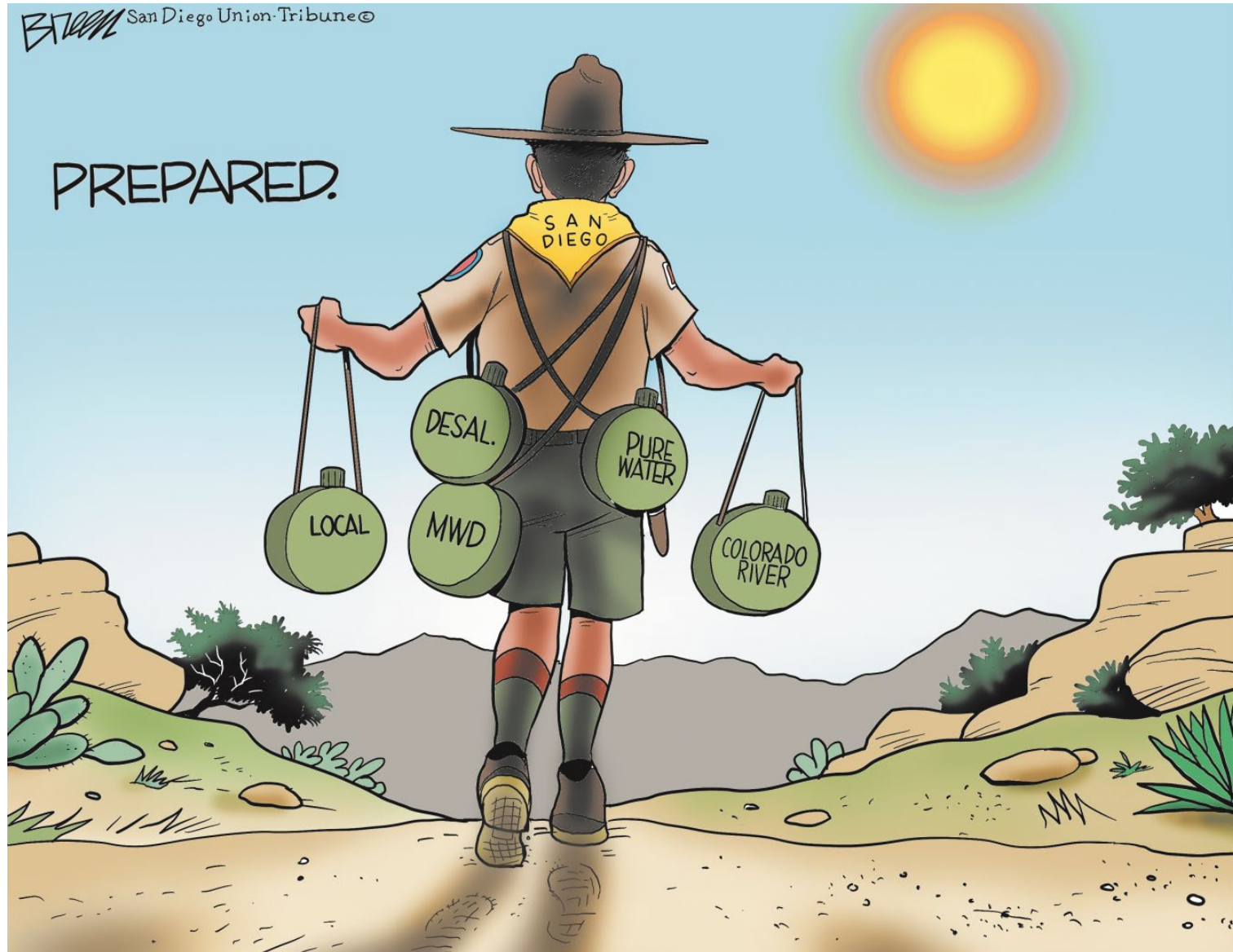


Carlsbad Seawater Desalination Projects \$1 billion



All-American & Coachella Canal Lining Project \$447 million (\$190 million from Water Authority)

Today's Drought Headlines



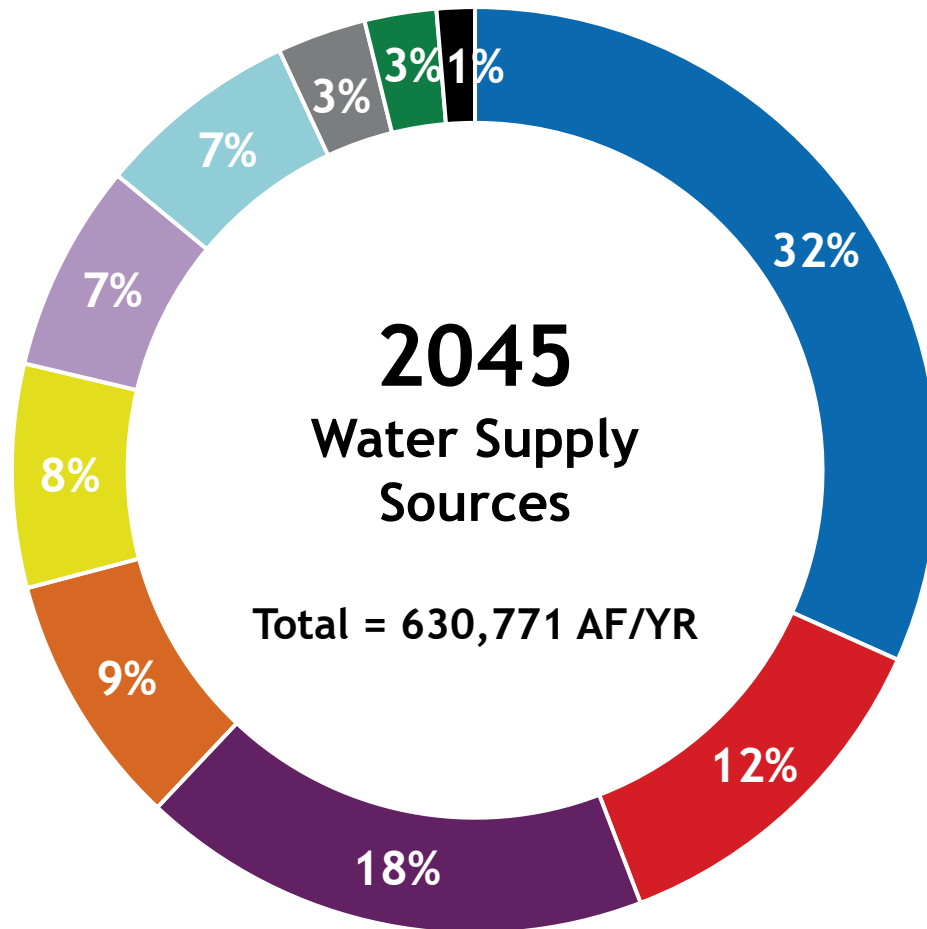
Planning for Tomorrow

- Investment in potable reuse - member agencies advance local projects (East County Advanced Water Purification; Pure Water San Diego; Pure Water Oceanside)
- Boosting water levels - storing supplies in Lake Mead would build elevation
- Water Facilities Master Plan, Long-Range Finance Plan, Regional Conveyance System Study, Capital Improvements Program



2045 Projected Water Resources Mix

Continued supply reliability for the San Diego Region



- Imperial Irrigation District Water Transfer
- Canal Lining Transfer
- Potable Reuse
- Seawater Desalination
- Metropolitan Water District of Southern California
- Recycled Water
- Local Surface Water
- Groundwater
- San Luis Rey Water Transfer
- Brackish Groundwater Recovery