Why San Diego County is Ready for Drought

Southern California Water Dialogue
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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

10% State Water Project

24% Local Supply

66% Colorado River
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
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

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

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
Continued supply reliability for the San Diego Region

2045 Water Supply Sources

- Imperial Irrigation District Water Transfer: 32%
- Canal Lining Transfer: 7%
- Potable Reuse: 7%
- Seawater Desalination: 7%
- Metropolitan Water District of Southern California: 8%
- Recycled Water: 9%
- Local Surface Water: 18%
- Groundwater: 12%
- San Luis Rey Water Transfer: 3%
- Brackish Groundwater Recovery: 1%

Total = 630,771 AF/YR