Solutions for San Diego and the Southwest

Colorado River Water Users Association
Wholesale agency created by the state Legislature in 1944

- Serves 3.3 million people and region’s $231 billion economy through 24 member agencies
- Provides about 75% of water used across the metro area
Portfolio Approach Protects San Diego County

- In 2016, drought reduced imported water to San Diego County by 15%.
- The Water Authority still had sufficient supplies to meet demands.
Conservation and Efficiency

- Per capita water use in San Diego County dropped from 235 gpcd in 1990 to 120 gpcd today.
The QSA -- the nation’s largest ag-to-urban conservation-and-transfer agreement -- benefits San Diego County and the entire Southwest.
The San Vicente Dam Raise, completed in 2014, produced the largest increase in water storage in San Diego County history.
**Carlsbad Desalination Plant**

- Opened in 2015, the nation’s largest seawater desalination plant produces 50 MGD of drought-proof supplies.
57 Billion Gallons ... and Counting!

- Managed by Poseidon Water
- 30-year Water Purchase Agreement
- 48,000-56,000 acre-feet per year
Carlsbad Desalination Plant

- Success resulted from a public-private partnership
  - Risk transfer to investors
  - Protections for ratepayers
  - Price certainty
  - Buy-out provisions
  - Transfer to public ownership
Local Water Production Continues to Grow

- Member agencies advance local projects
  - East County Advanced Water Purification
  - Pure Water San Diego
  - Pure Water Oceanside
A Diversified Water Supply Portfolio (2020*)

Total = 537 TAF

- Metropolitan Water District: 190 TAF (35%)
- Imperial Irrigation District Transfer: 59 TAF (11%)
- Local Surface Water: 56 TAF (10%)
- Groundwater: 80 TAF (15%)
- Recycled Water: 43 TAF (8%)
- San Luis Rey Water Transfer: 52 TAF (10%)
- Seawater Desalination: 8 TAF (2%)
- All American & Coachella Canal Lining: 16 TAF (3%)
- Potable Reuse: 33 TAF (6%)

*TAF=Thousand Acre-Feet

*Based on Interim Demand Forecast Reset and includes verifiable and additional planned local supply projects from 2015 UWMP; to be updated in 2020 UWMP.
A Diversified Water Supply Portfolio (2035*)

Total = 632 TAF

- Metropolitan Water District: 200 TAF (32%)
- Imperial Irrigation District Transfer: 80 TAF (13%)
- Local Surface Water: 110 TAF (17%)
- Groundwater: 51 TAF (8%)
- Recycled Water: 72 TAF (11%)
- San Luis Rey Water Transfer: 57 TAF (9%)
- Seawater Desalination: 16 TAF (2%)
- Potable Reuse: 10 TAF (2%)

TAF=Thousand Acre-Feet

*Based on Interim Demand Forecast Reset and includes verifiable and additional planned local supply projects from 2015 UWMP; to be updated in 2020 UWMP.
Boosting Water Levels in Lake Mead

- Water Authority has eligible supplies with environmental approvals and is seeking a Lake Mead storage account.
- Account would build elevation.