

# Solutions for San Diego and the Southwest

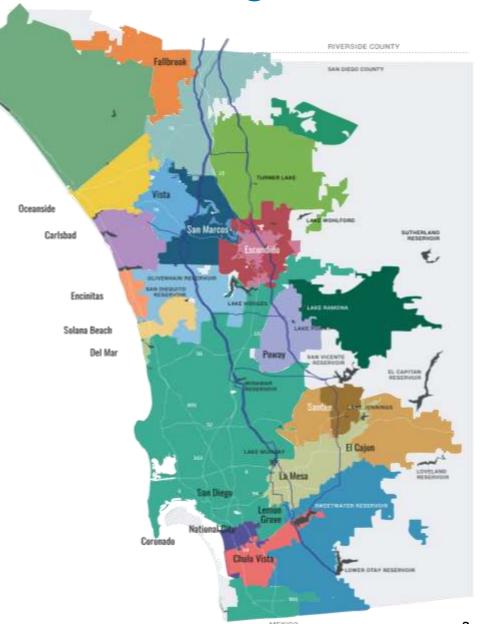
San Diego County Farm and Nursery Expo Nov. 6, 2019

> Sandy Kerl Acting General Manager

# Water Authority Transforms a Region ...

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 metropolitan area





# ... With Few Natural Water Assets

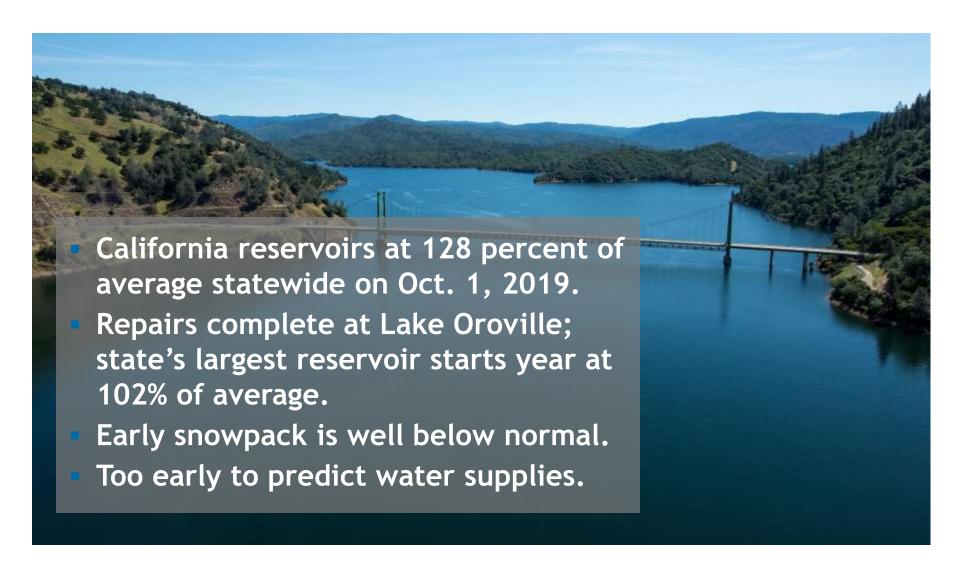




# Sierra Nevada is an Important Source of Supply



#### Water Year 2020 Starts with Strong Reserves



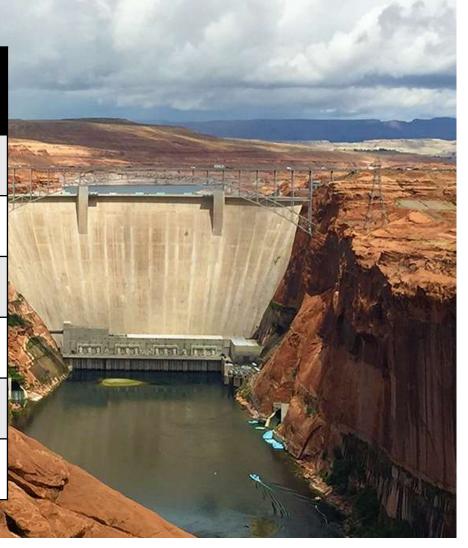
# Drought Persists in Colorado River Basin

# Storage and Hydrology (October 2019)

	% Full	Million AF	Elev.
Lake Powell	54%	13.1	3,613'
Lake Mead	39%	10.3	1,083'
Total System	52%	31.3	-
2019 Peak Snownack			

2019 Peak Snowpack 133% of normal

2019 Runoff to Powell 120% of normal



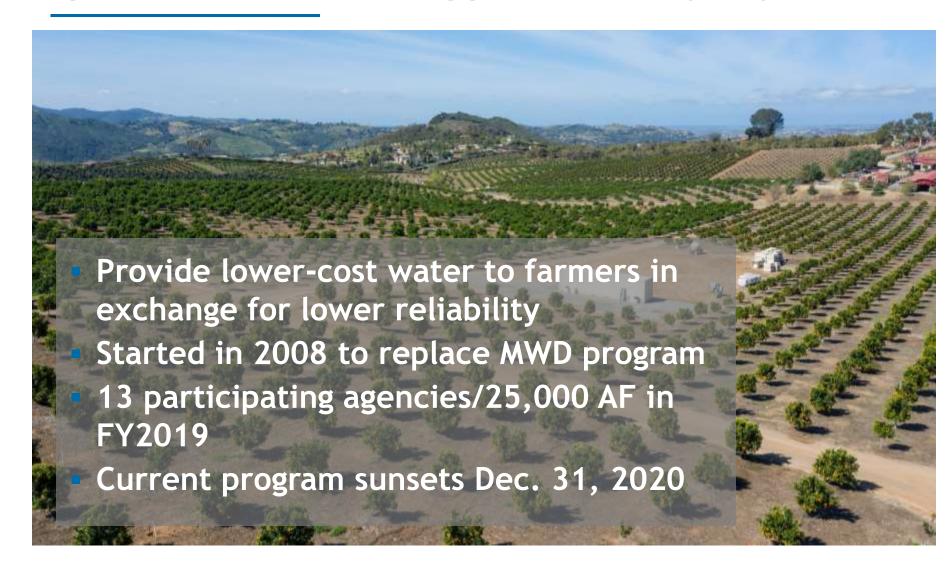
# Water is Critical for Region's Ag Economy



# Water Authority Efforts Benefit Farmers



# Special Water Rates Support San Diego Ag



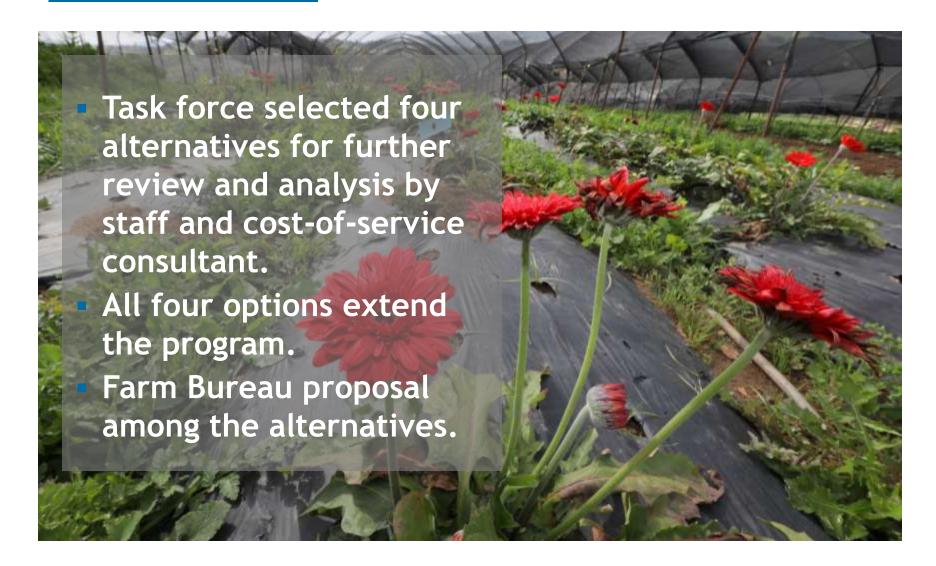
#### Price Break Helps Local Farmers



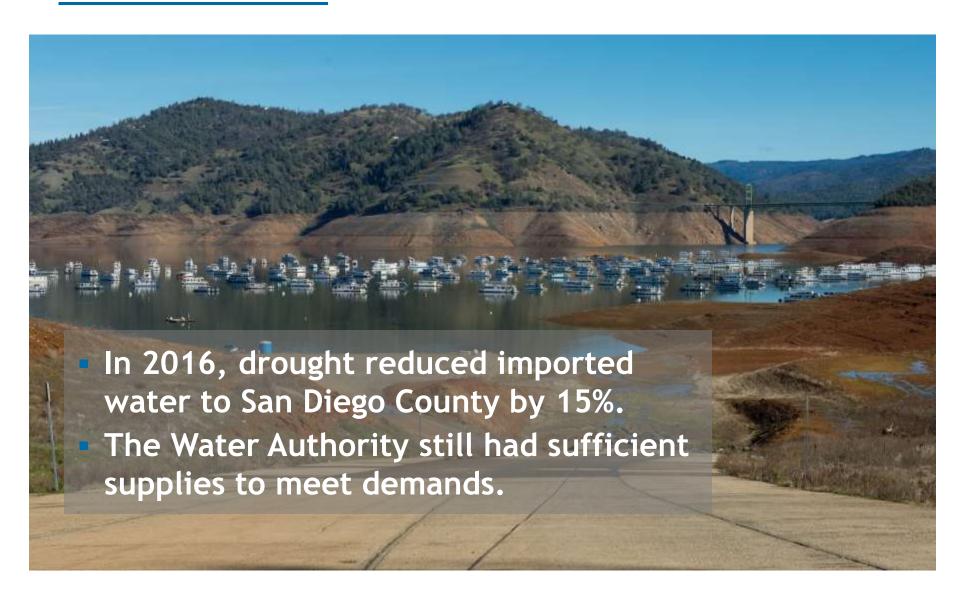
# **Key Issues for Future Ag Rates**



# Four Ag Water Alternatives Under Review



# Why Supply Reliability is Critical



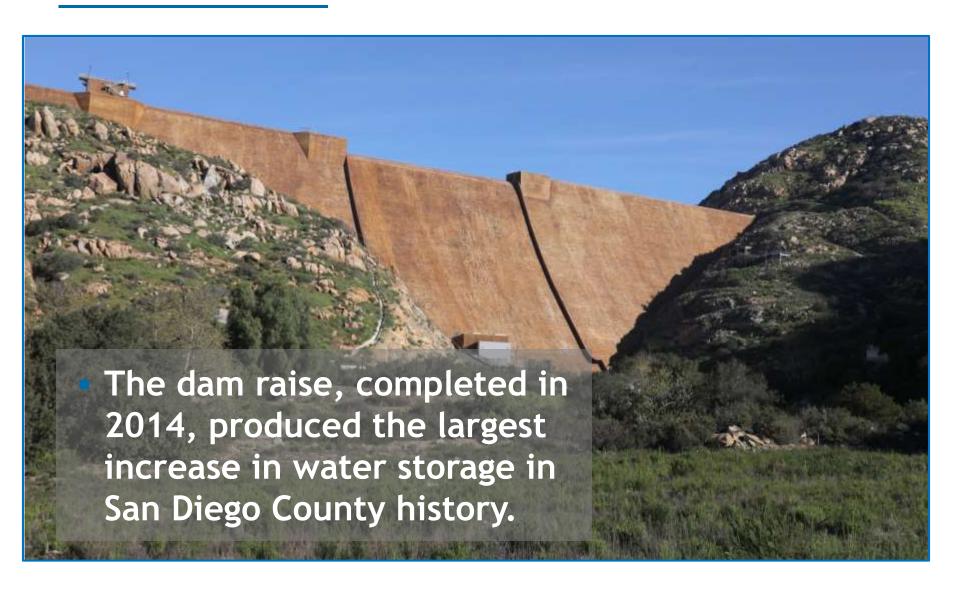
#### **Conservation and Transfers**



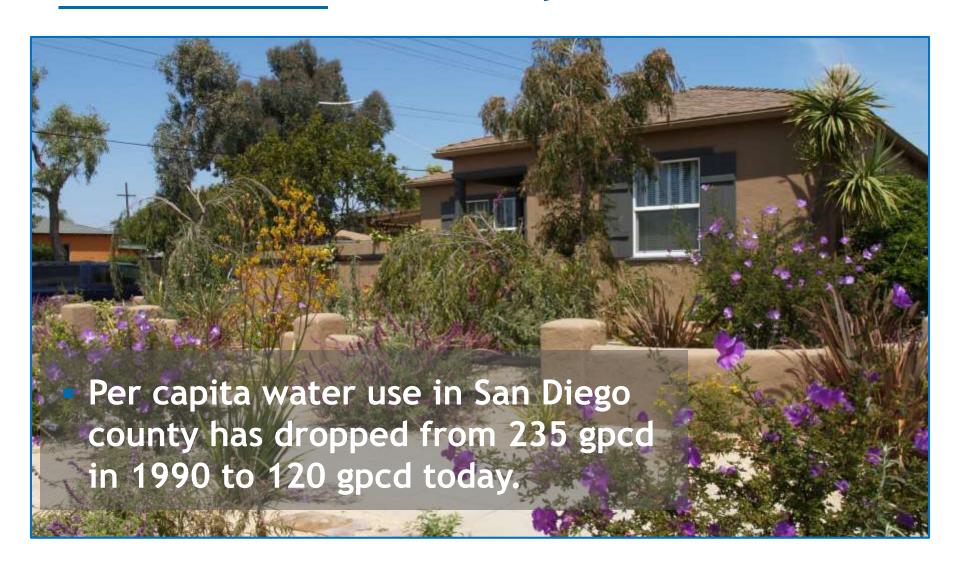
#### **Carlsbad Desalination Plant**



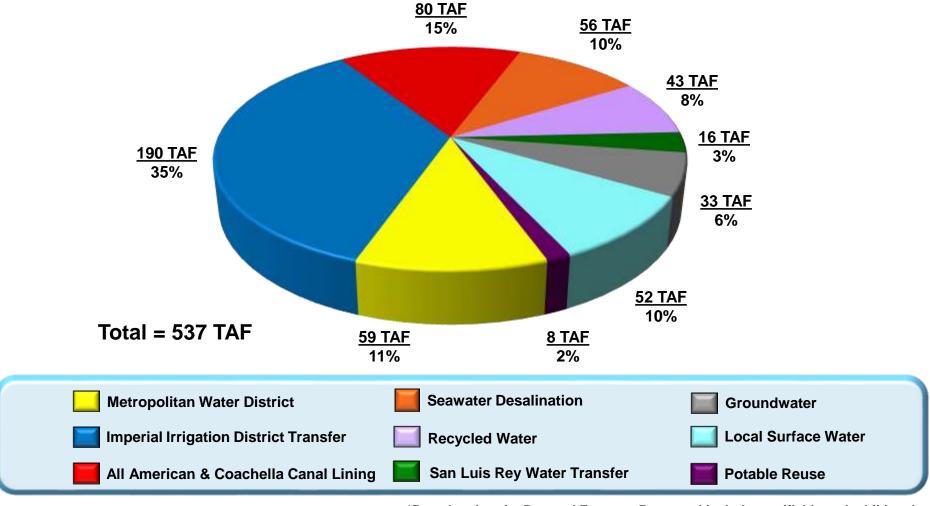
#### San Vicente Dam Raise



# **Conservation and Efficiency**



# A Diversified Water Supply Portfolio (2020\*)

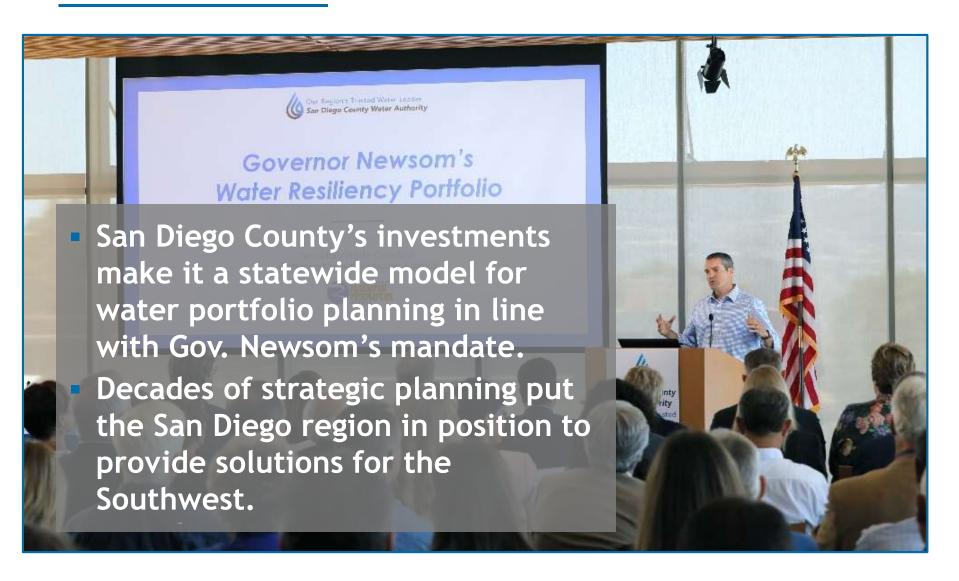


TAF=Thousand Acre-Feet

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



# San Diego's Portfolio Takes Center Stage



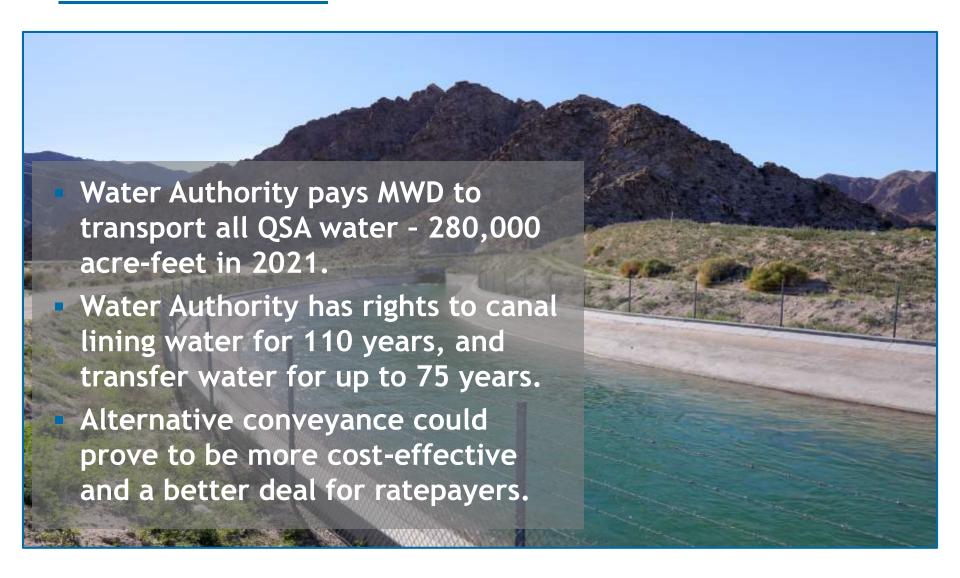
# Planning for Tomorrow



# **Boosting Clean Energy for California**

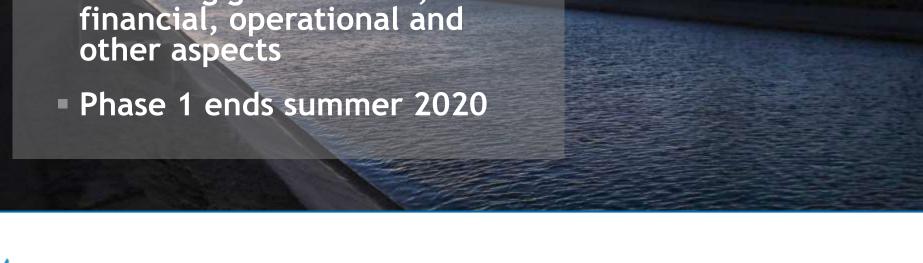
 Pumped storage could help state meet clean-energy goals, provide on-demand power, and save ratepayers money.

# Delivering QSA Supplies to San Diego

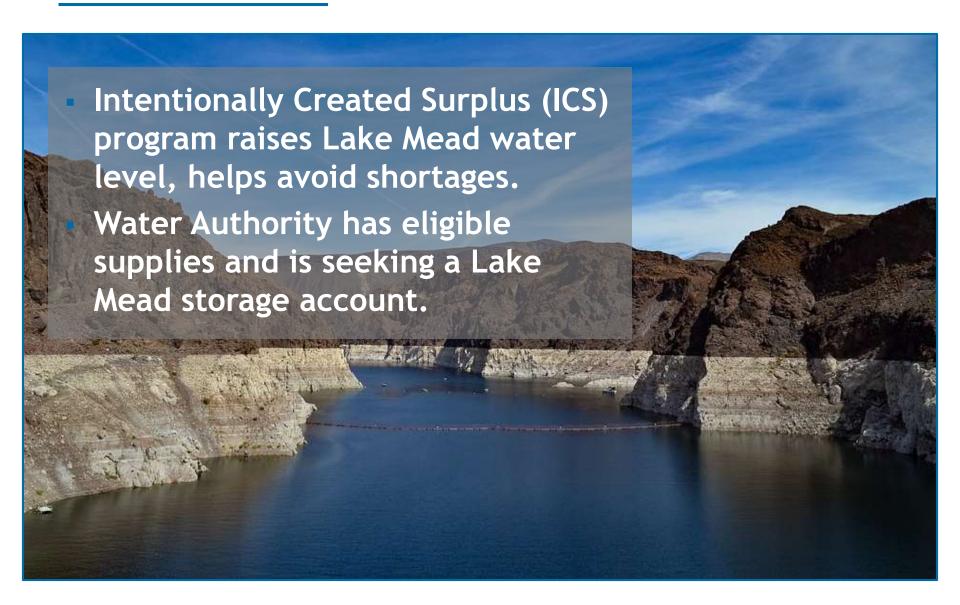


# Regional Conveyance System Study

- Two-phase study looks at regional benefits:
  - Protecting ratepayers while adding reliability
  - **Exploring partnerships**
  - Assessing geotechnical, other aspects



# **Boosting Water Levels in Lake Mead**



# Serving San Diego for 75 Years ... and Counting

