

Southern California Water Dialogue

July 24, 2019

*Enhancing the Reliability of the
Colorado River*

Bill Hasencamp
Metropolitan Water District

The Colorado River: America's Most Endangered...

America's Most Endangered Rivers® 2017



- | | |
|------------------------------|------------------------------|
| 1 Lower Colorado River | 6 Green-Toutle River |
| 2 Bear River | 7 Neuse-Cape Fear Rivers |
| 3 South Fork Skykomish River | 8 Middle Fork Flathead River |
| 4 Mobile Bay Rivers | 9 Buffalo River |
| 5 Rappahannock River | 10 Menominee River |



American Rivers
Rivers Connect Us®



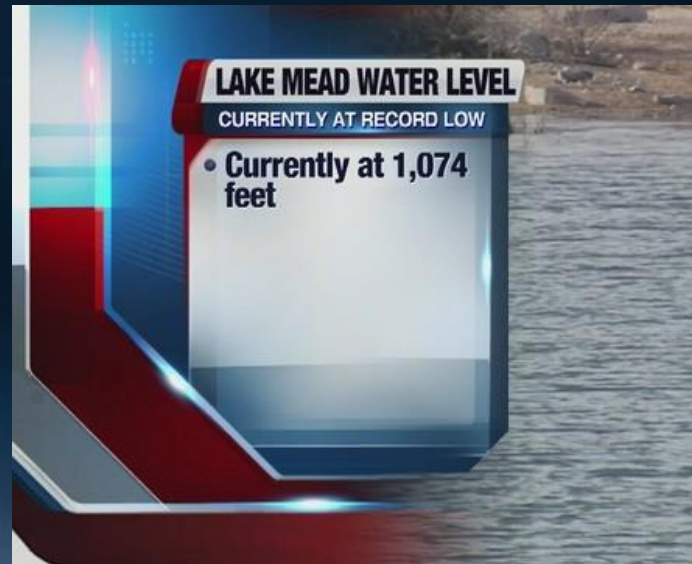


BREAKING NEWS

RECORD LOW WATER LEVELS

LAKE MEAD

ACTION NEWS // ACTION NEWS // ACTION NEWS // ACTION NEWS // ACTION NEWS // ACTION



LAKE MEAD WATER LEVEL

CURRENTLY AT RECORD LOW

- **Currently at 1,074 feet**



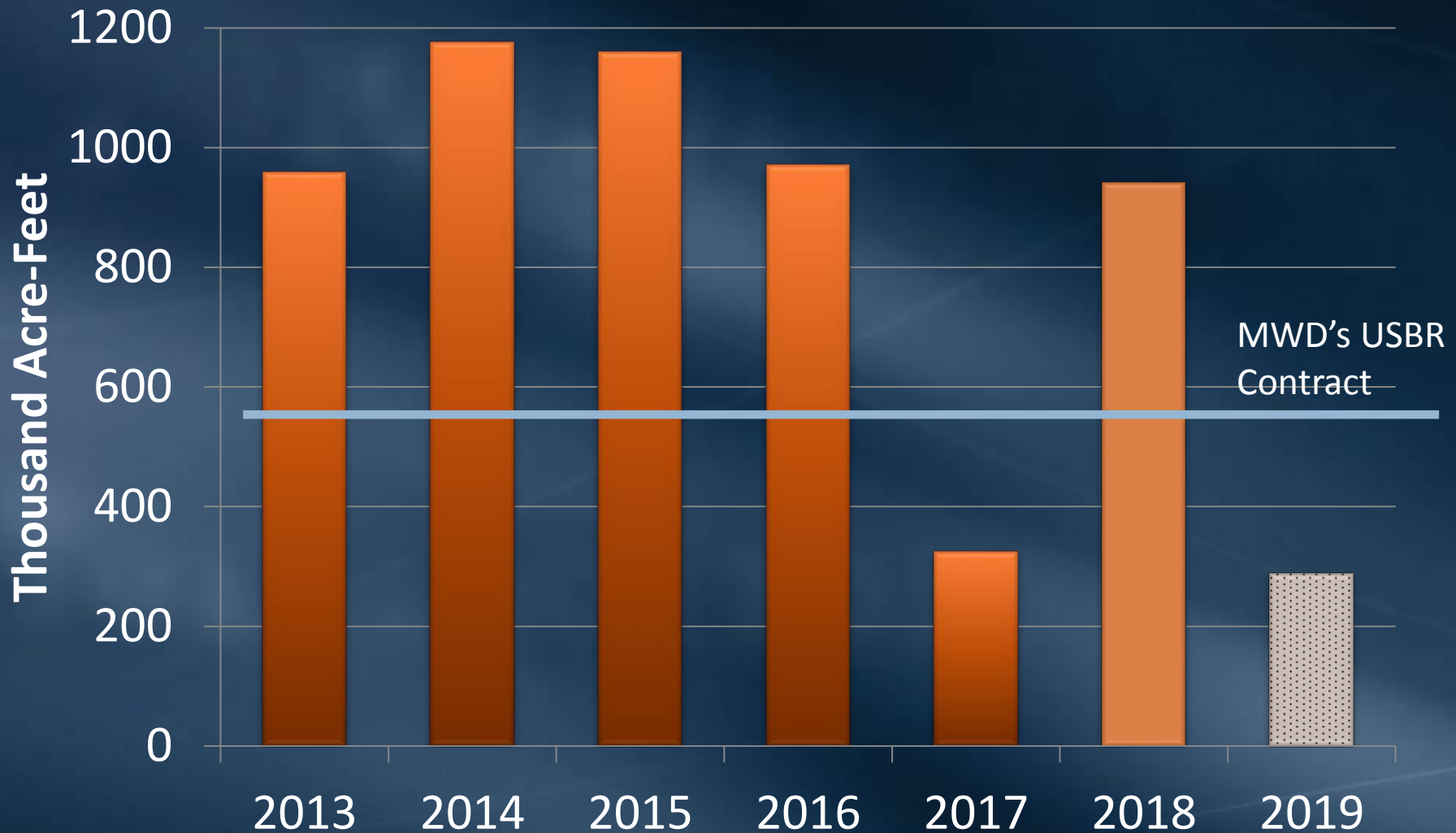
Largest U.S. Water Reservoir

Record Low

Southern California's Water Supply Sources



CRA Deliveries into Service Area





Oregon

Idaho

Wyoming

Nebraska

Nevada

Utah

Colorado Front Range

California

Arizona

Upper Basin

Lower Basin

Colorado River Aqueduct Service Area

Imperial and Coachella Valleys

San Juan-Chama Project

New Mexico



Pacific Ocean

Gulf of California

U.S.A.

MEXICO

Mexico

Texas

Nogales

El Paso

San Luis Rio Colorado

Tijuana

Mexicali

Yuma

Phoenix

Theodore Roosevelt Dam

Flagstaff

Lake Havasu City

Parker Dam

Lake Havasu

Lake Mead

Davis Dam

Hoover Dam

Las Vegas

St. George

Glen Canyon Dam

Lee Ferry

Lake Powell

St. George

San Juan River

Farmington

Navajo Dam

Aspinall Unit

Grand Junction

Colorado River

Green River

Colorado River

Flaming Gorge Reservoir

Flaming Gorge Dam

Snake River

Salt Lake City

Great Salt Lake

N. Platte River

S. Platte River

Arkansas River

Rio Grande

Santa Fe

Albuquerque

Denver

Boulder

Fort Collins

Cheyenne

Aurora

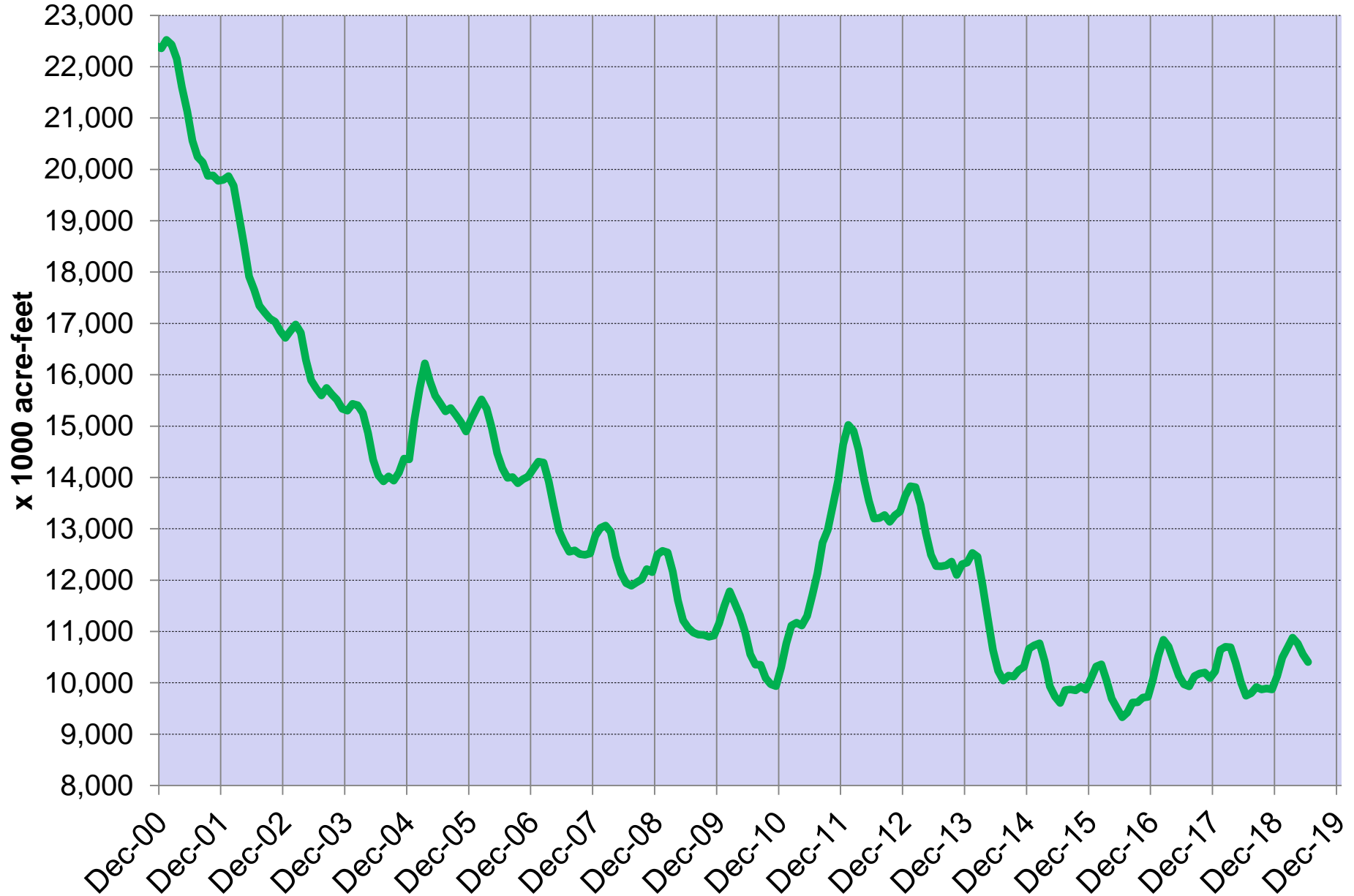
Colorado Springs

Pueblo

Provo

Provo

Lake Mead Storage 2000 – 2019



2005: Secretary Norton Provides Sense of Urgency



“Develop a shortage plan or I will do it for you...”

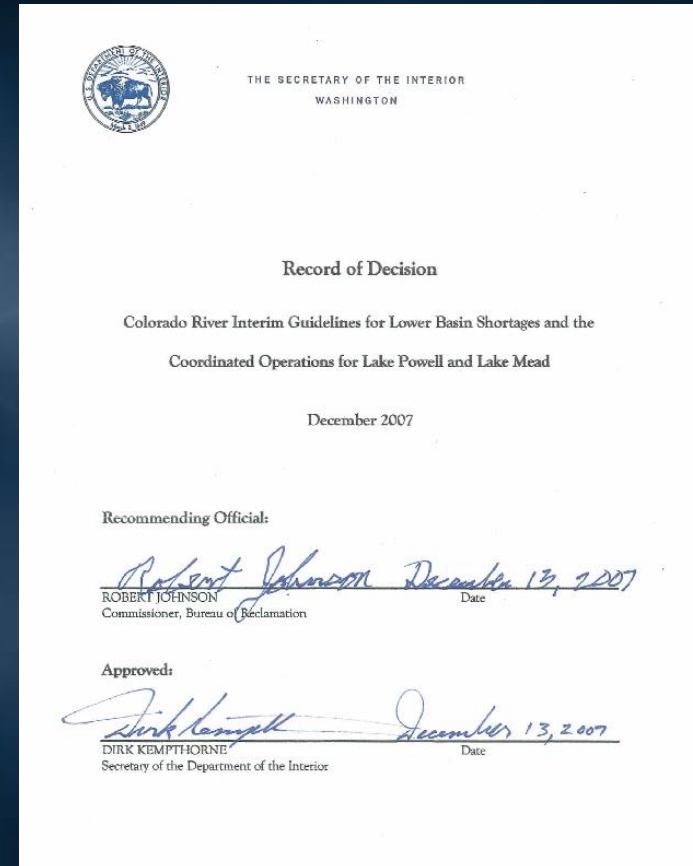
Two years later...

December 13, 2007, Secretary Kempthorne approves Colorado River Interim Guidelines

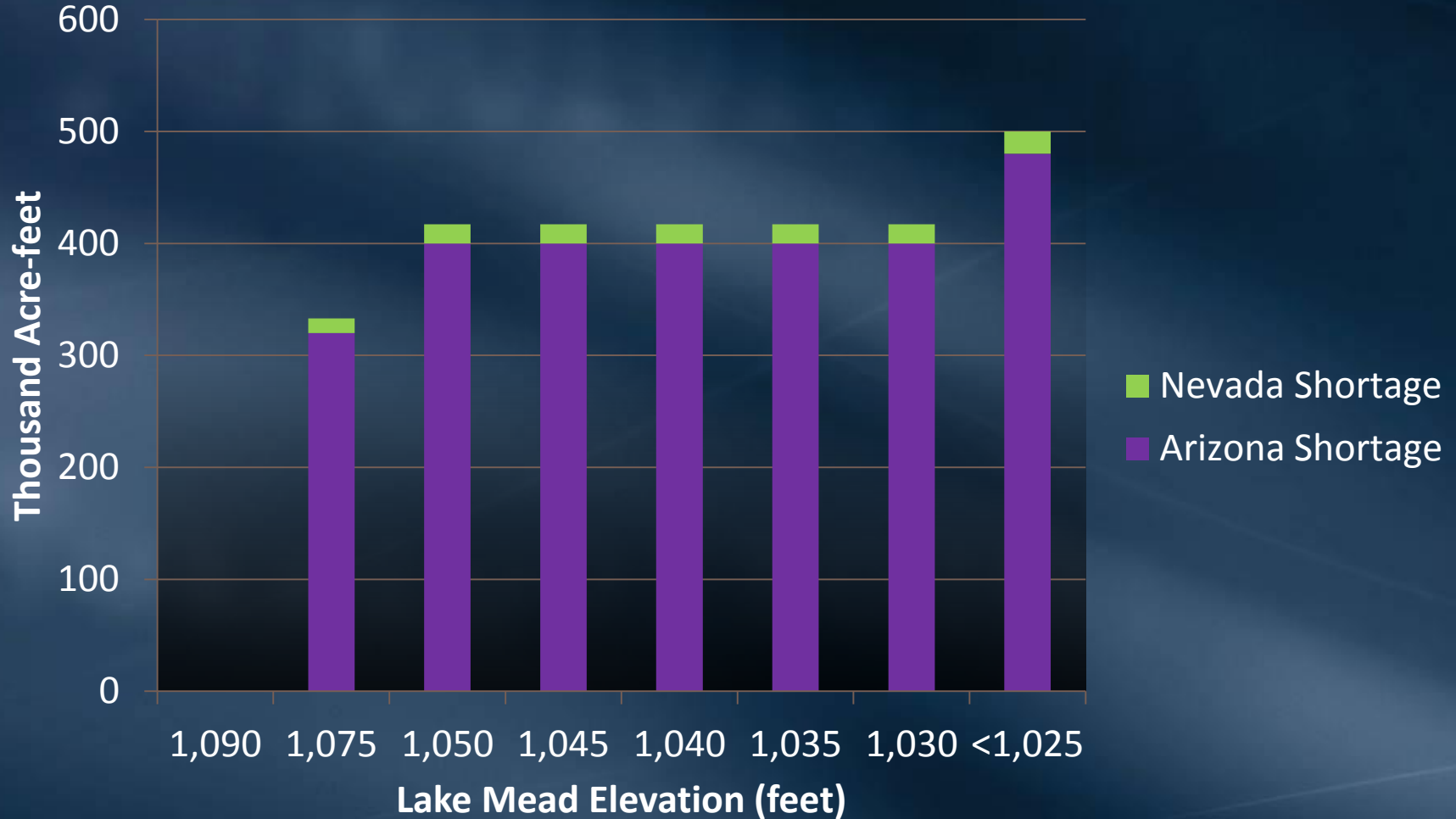


2007 Interim Guidelines

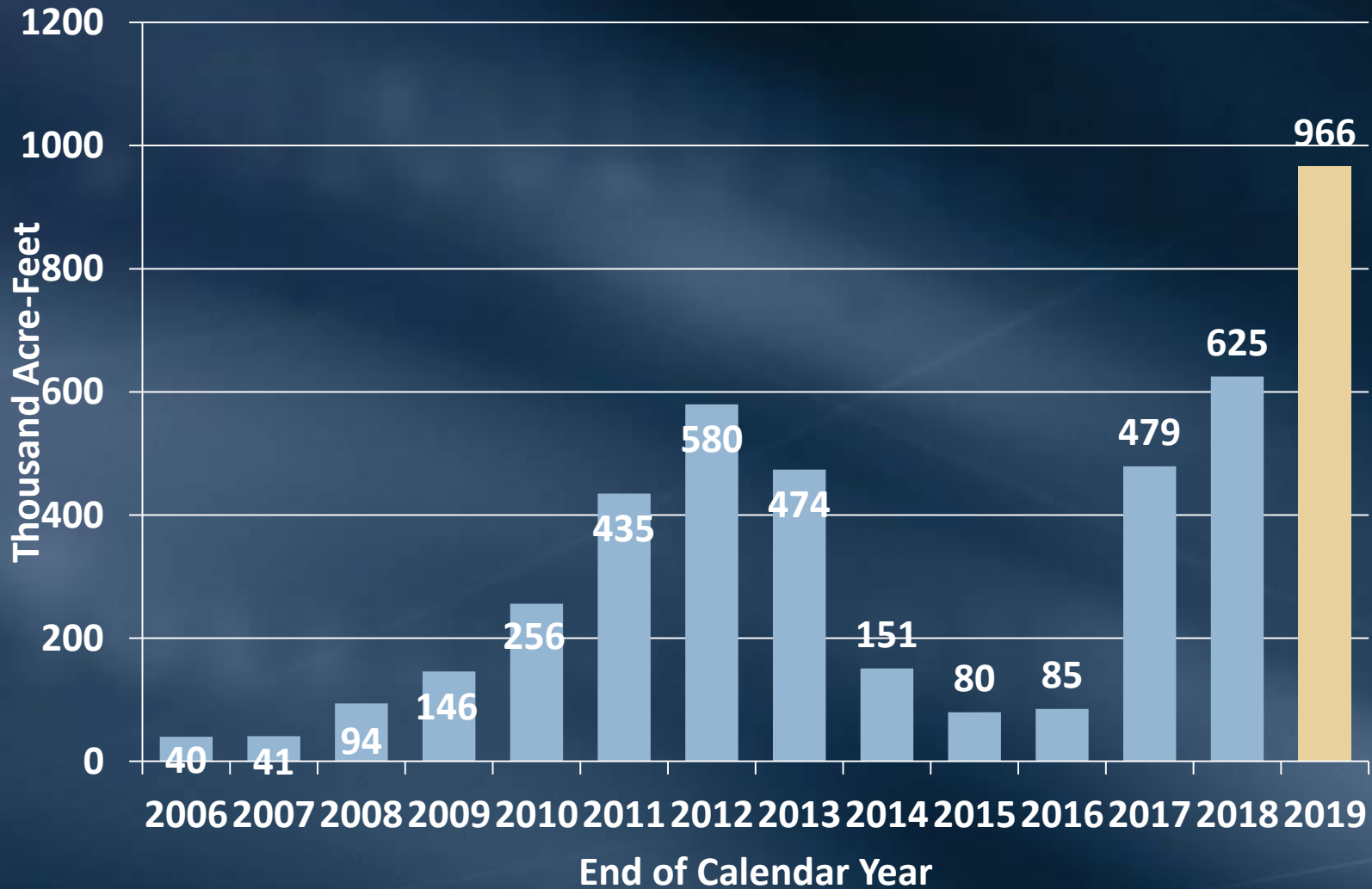
- Effective through 2026
- Key provisions of Guidelines
 - Surplus and Shortage Provisions
 - Establishment of Intentionally Created Surplus (ICS)
 - Coordinated Reservoir Operations



2007 Agreement for Shortages



MWD ICS Storage Balance



Unresolved Issues in 2007 Guidelines

- Dispute over ICS delivery during shortage
- Identifying which agencies takes what amount of shortages if Mead falls below 1,025'

Development of Drought Contingency Plan



ARIZONA WATER NEWS

Colorado River water users make progress toward a drought contingency plan



2018: Commissioner Burman Provides Sense of Urgency



“Approve the DCP or I will take action to protect Lake Mead...”

The Following Year...

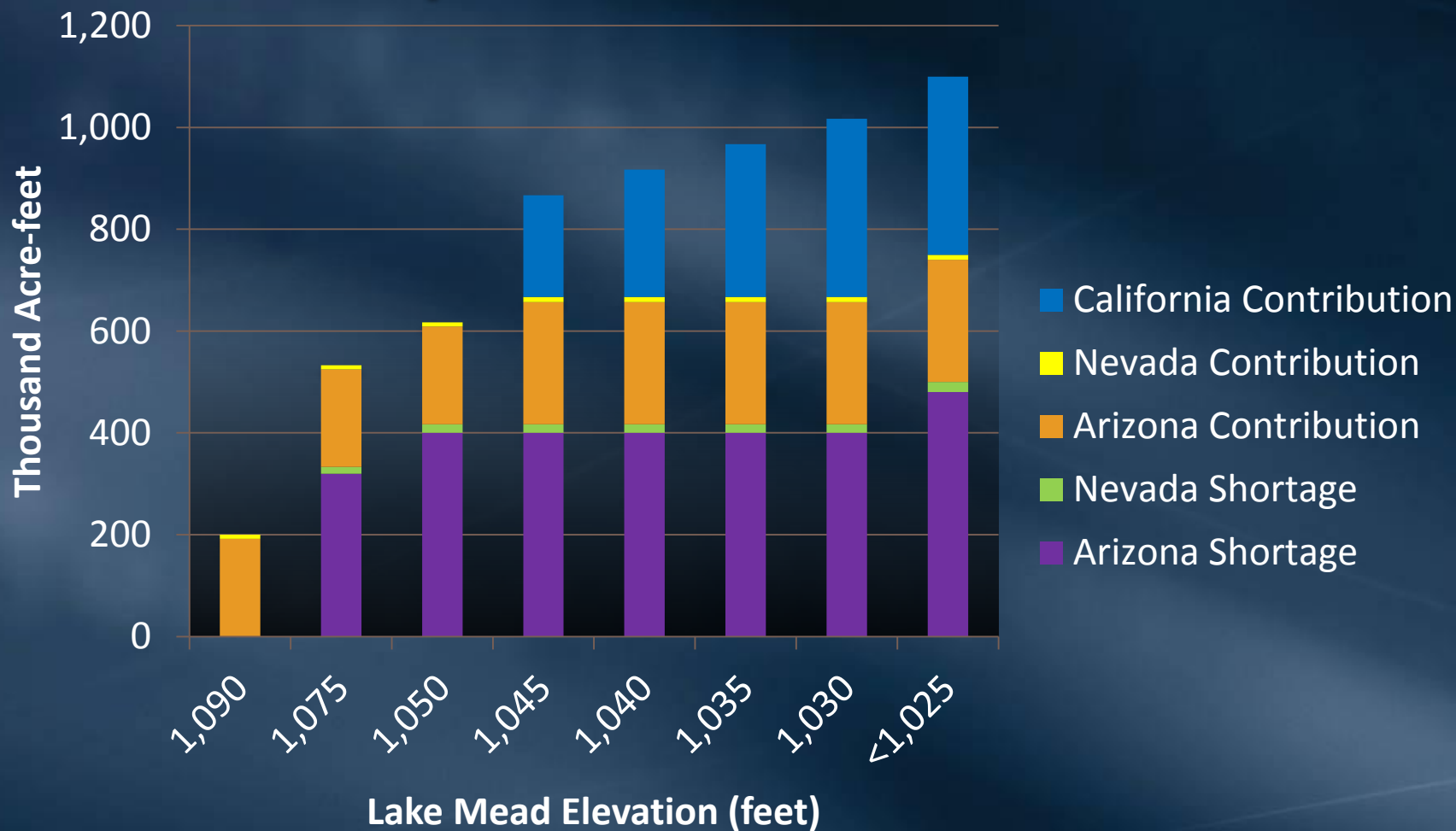
May 21, 2019, Department of Interior and States approve Colorado River Drought Contingency Plan



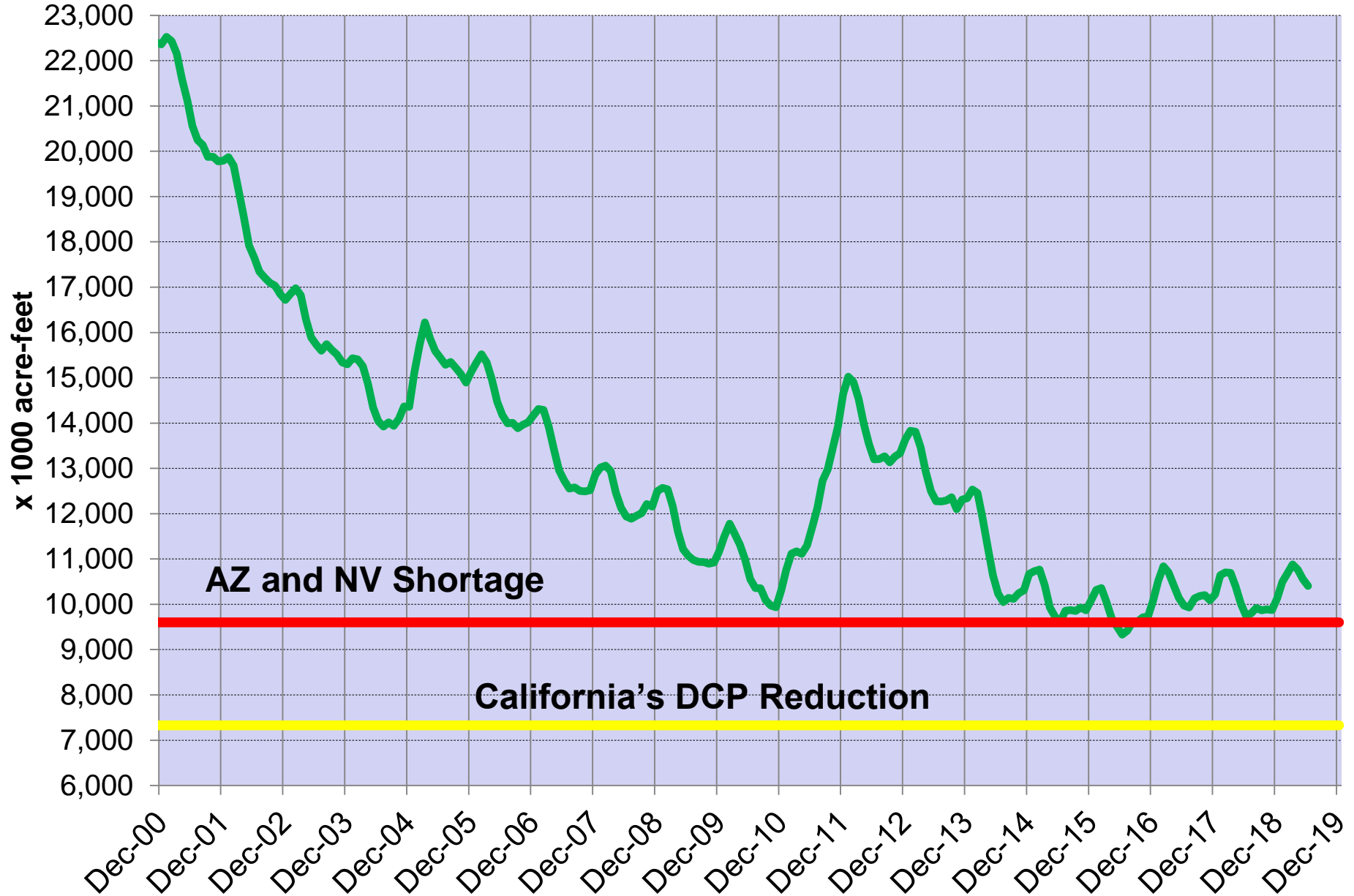
Summary of Lower Basin DCP

- Water use reductions triggers for each state
 - In addition to existing shortage amounts
 - Goal is to avoid reaching critically low levels
- Provides flexibility during shortages
 - Delivery of ICS stored in Lake Mead

Total Lower Basin Contributions with DCP by Elevation

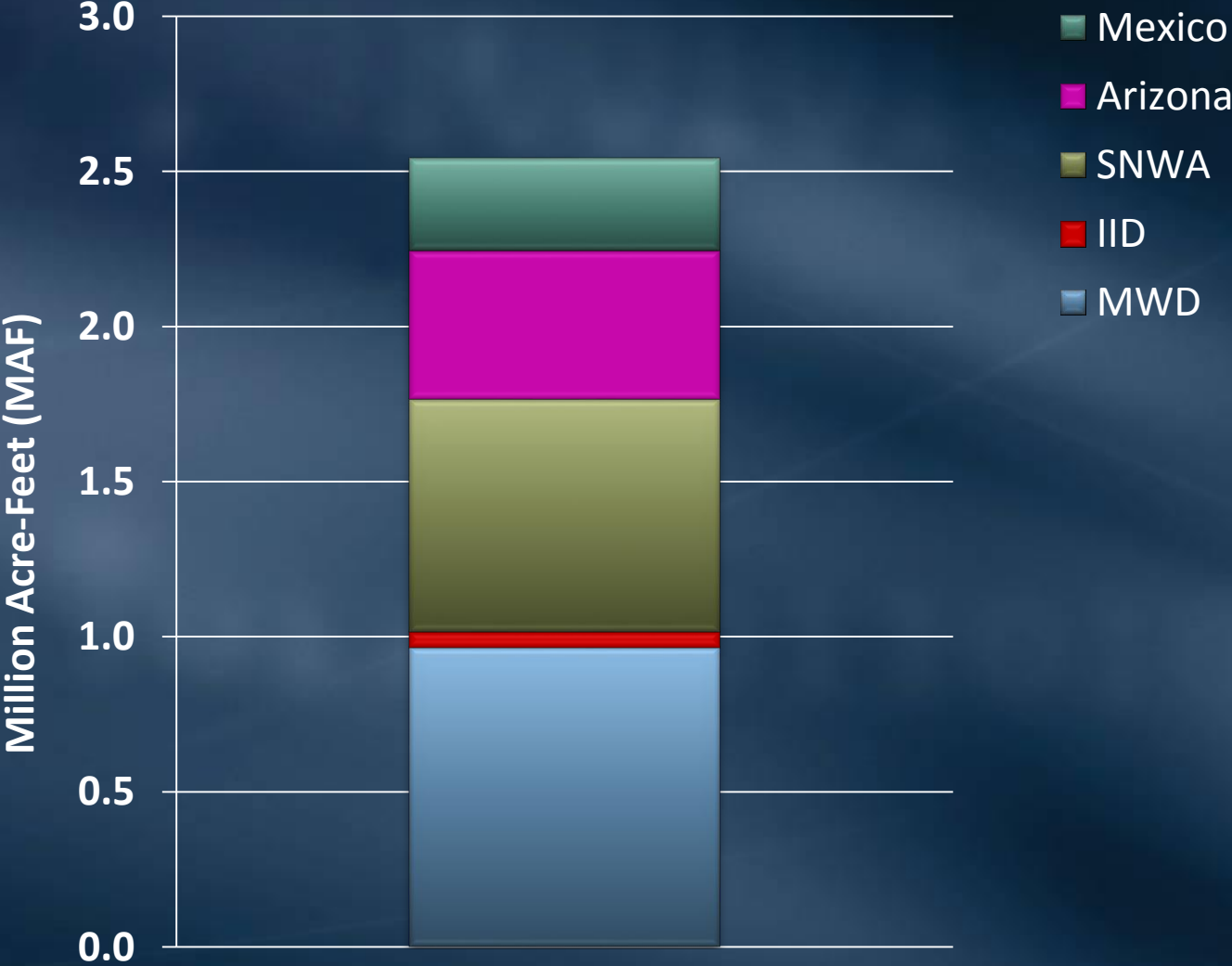


Lake Mead Storage 2000 – 2019



Projected EoY 2019 Lake Mead ICS and ICMA

2.54 MAF Net Stored



After DCP: What's Next?

- MWD in Discussions with IID
- No later than end of 2020, USBR to initiate negotiations of the new guidelines
- MWD developing a position paper to guide negotiations

