



Southern California
Water Dialogue

Breakthrough Agreement Reached on Colorado River Short-term Cutbacks

May 24, 2023



Southern California
Water Dialogue

Southern California Water Dialogue Co-chairs

CONNER EVERTS

Executive Director

Southern California Watershed Alliance

DEE ZINKE

Assistant General Manager - External Affairs

The Metropolitan Water District of Southern California

Southern California Water Dialogue Steering Committee

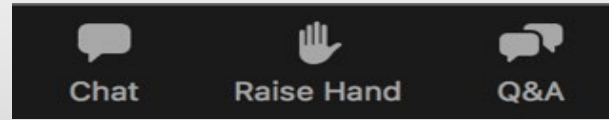
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- CHARLEY WILSON
Southern California Water Coalition
- DIANE WALLACE
Sierra Club
- PEER SWAN
Irvine Ranch Water District
- MARTHA CAMACHO RODRIQUEZ
Central Basin Municipal Water District
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Trabuco Canyon Water District
- FRED O'CALLAGHAN
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- **Asking a Question:** Use Q/A feature, type in question, and click send. Questions addressed after presentation.
- **Poor Connection:** Move closer to your wireless router and turn off other services using bandwidth (e.g. Netflix)
- **Audio Muted:** Attendee audio on mute by default
- **Timetable :** Presentation runs apx 60 minutes followed by Q/A session

How to Ask A Question



On the bottom of your screen, click “Q&A”





Type in question and
then click send

Q&A

Welcome
Feel free to ask the host and
panelists questions

Type your question here...



You can upvote
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Q&A

Open (2) Answered (0) Dismissed (0)

Jack Barker 2:43:31 PM Dismiss
When is the next webinar?
👍 1 Answer live Type answer

Eren Yaeger 2:42:44 PM
When are office hours?
👍 Answer live Type answer



Agenda

- Announcements and Introduction of Speakers – Conner Everts
- Presentations
- Dialogue (Q/A) – Led by Conner Everts
- Concluding remarks

Speakers



Bill Hasencamp ,
Colorado River
Program Manager,
Metropolitan Water
District of Southern
California



Vineetha Kartha ,
Colorado River Programs
Manager,
Central Arizona Project



Jay Weiner,
Counsel
Fort Yuma Quechan
Indian Tribe



Ted Kowalski,
Senior Program Officer -
Environment Colorado River
Initiative
Walton Family Foundation





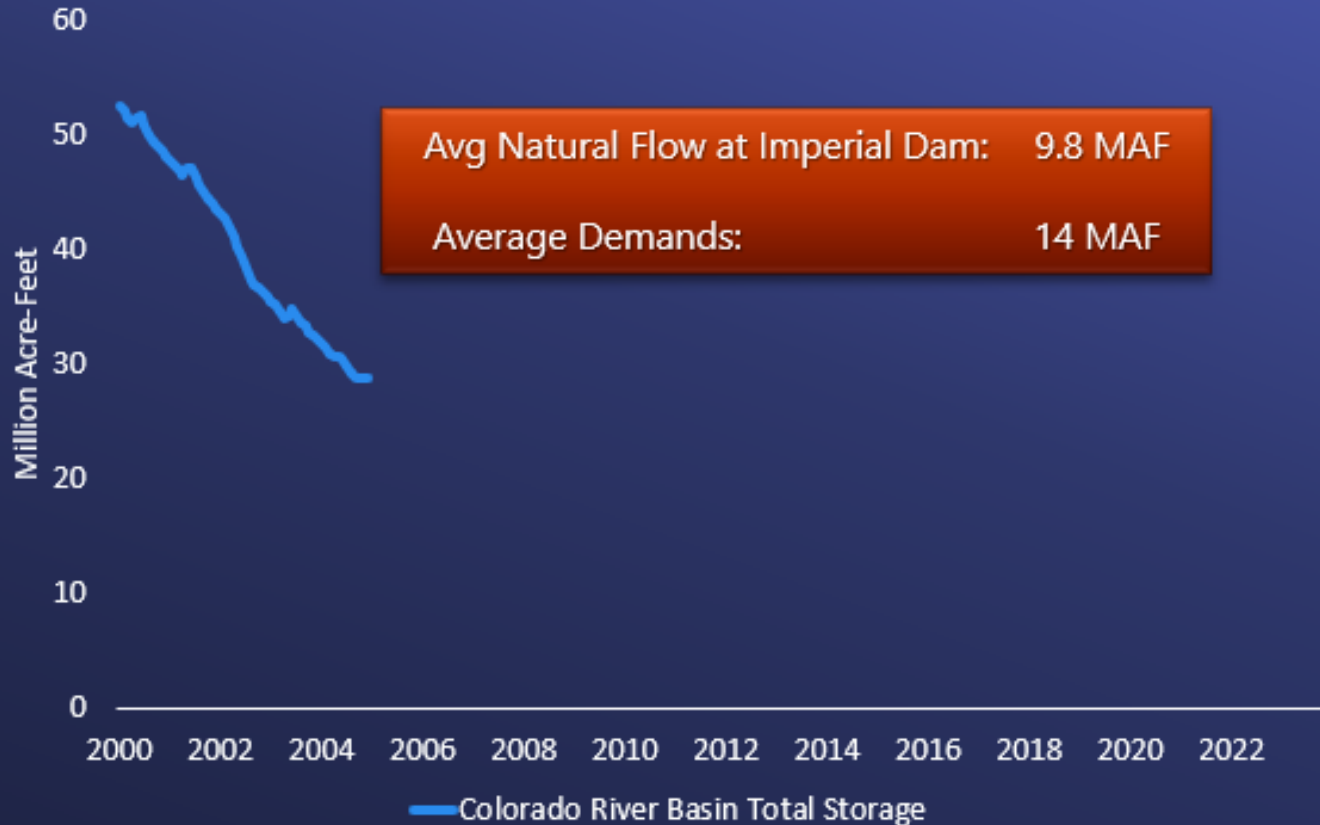
Southern California Water Dialogue

May 24, 2023

*Lower Basin Develops
Short-term Proposal to
Protect Reservoirs*

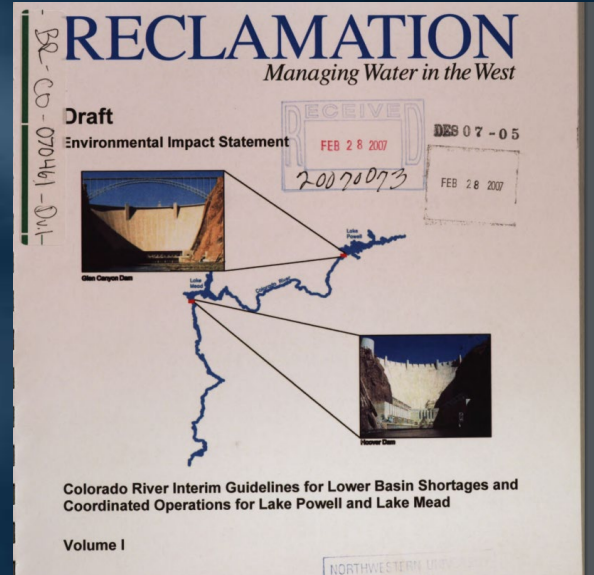


Colorado River Basin Total Storage



2007 Interim Guidelines DEIS Alternatives

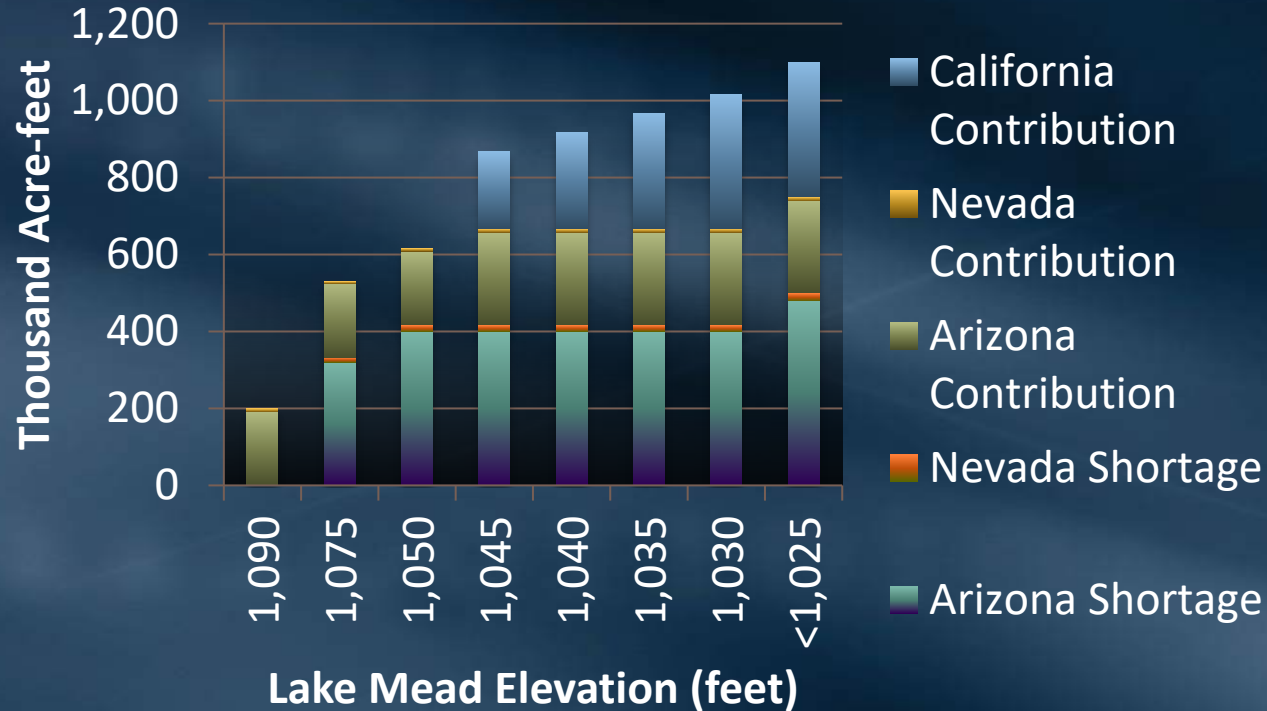
- No Action
- Basin States
- Conservation Before Shortage
- Water Supply
- Reservoir Storage



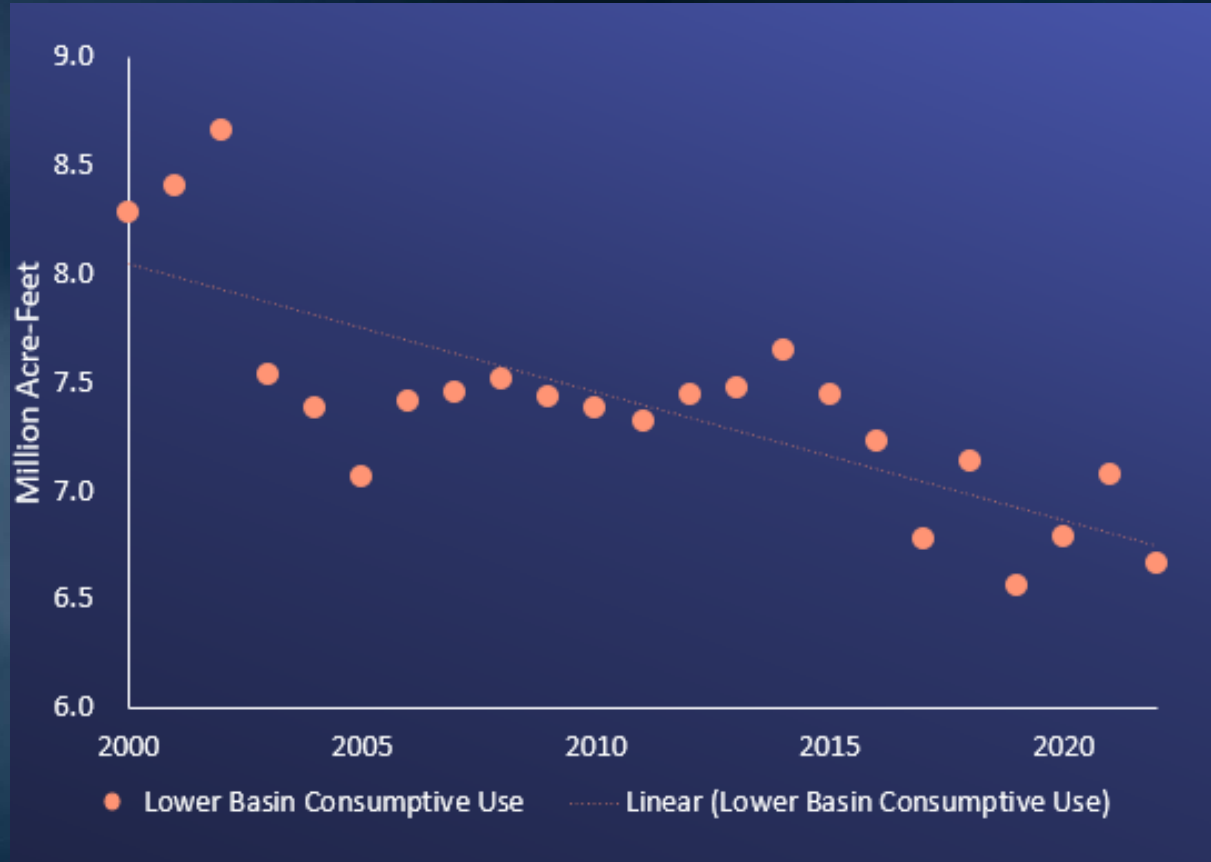
May 21, 2019: Interior, 7 States Approve Colorado River Drought Contingency Plan



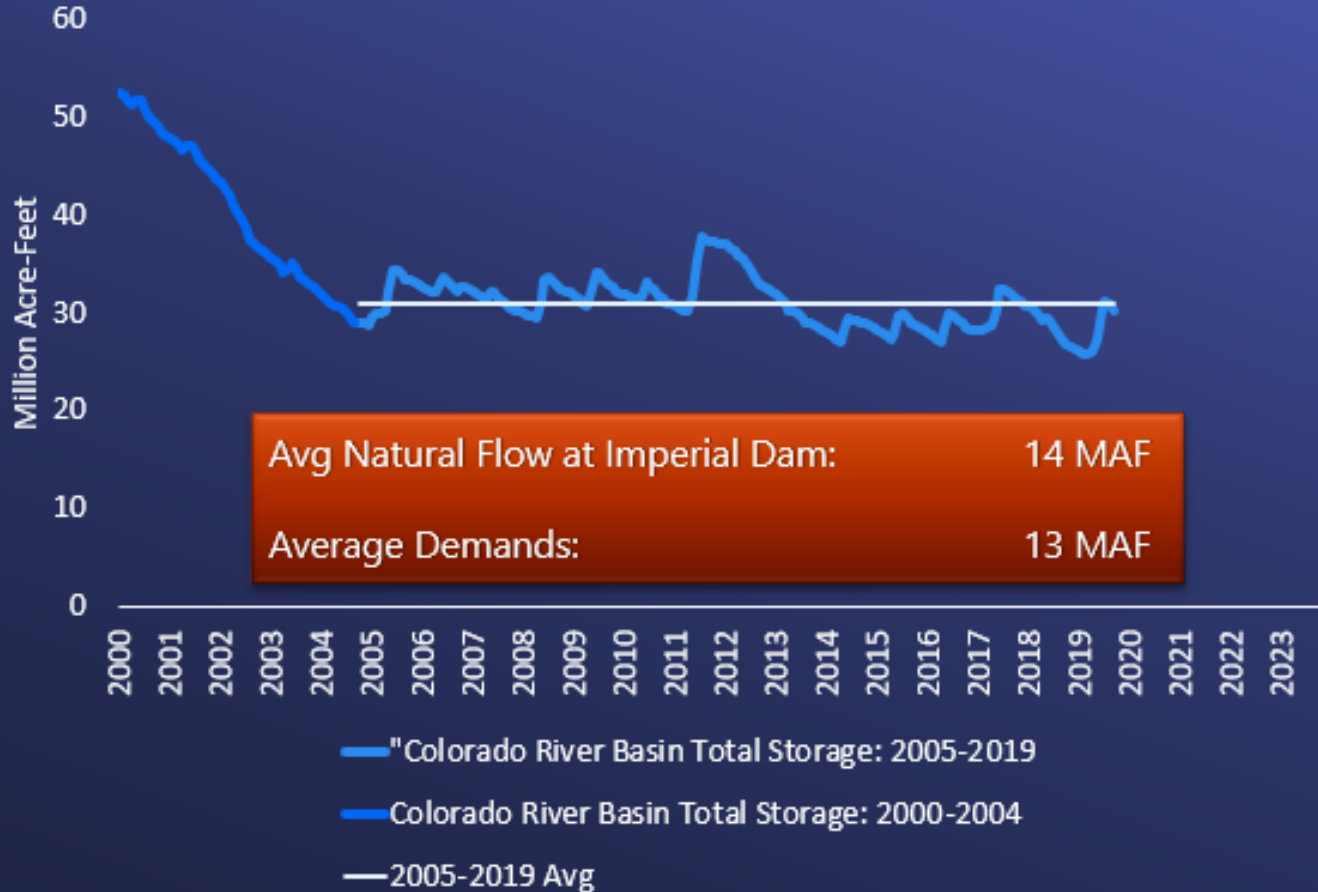
DCP & Shortage Reductions



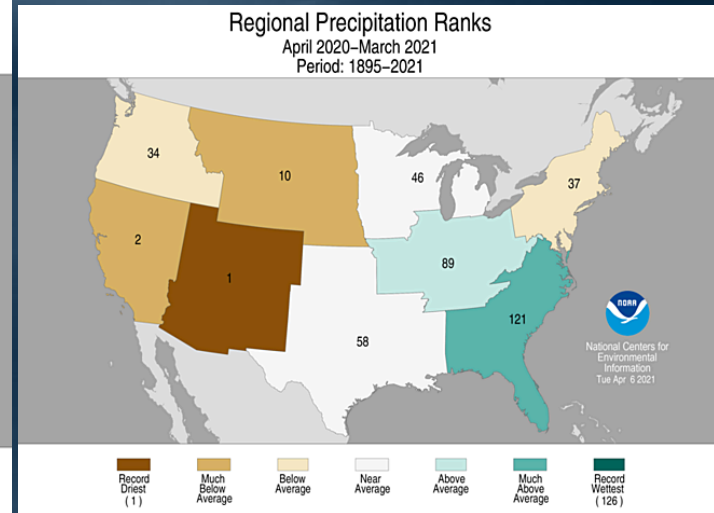
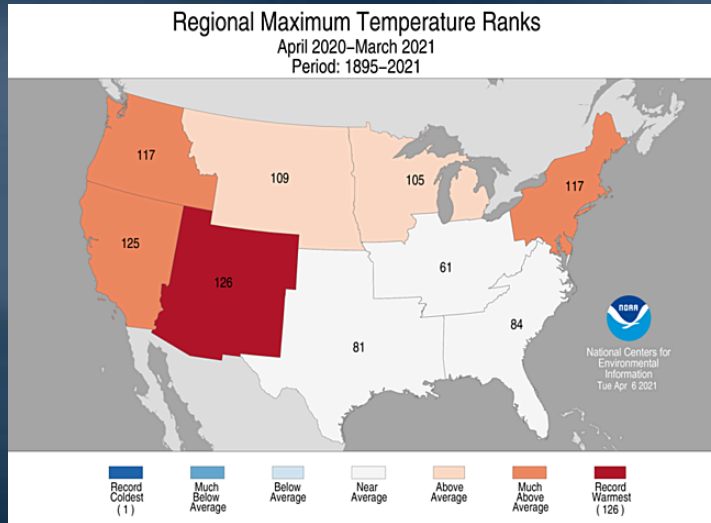
Lower Basin Demands Declining



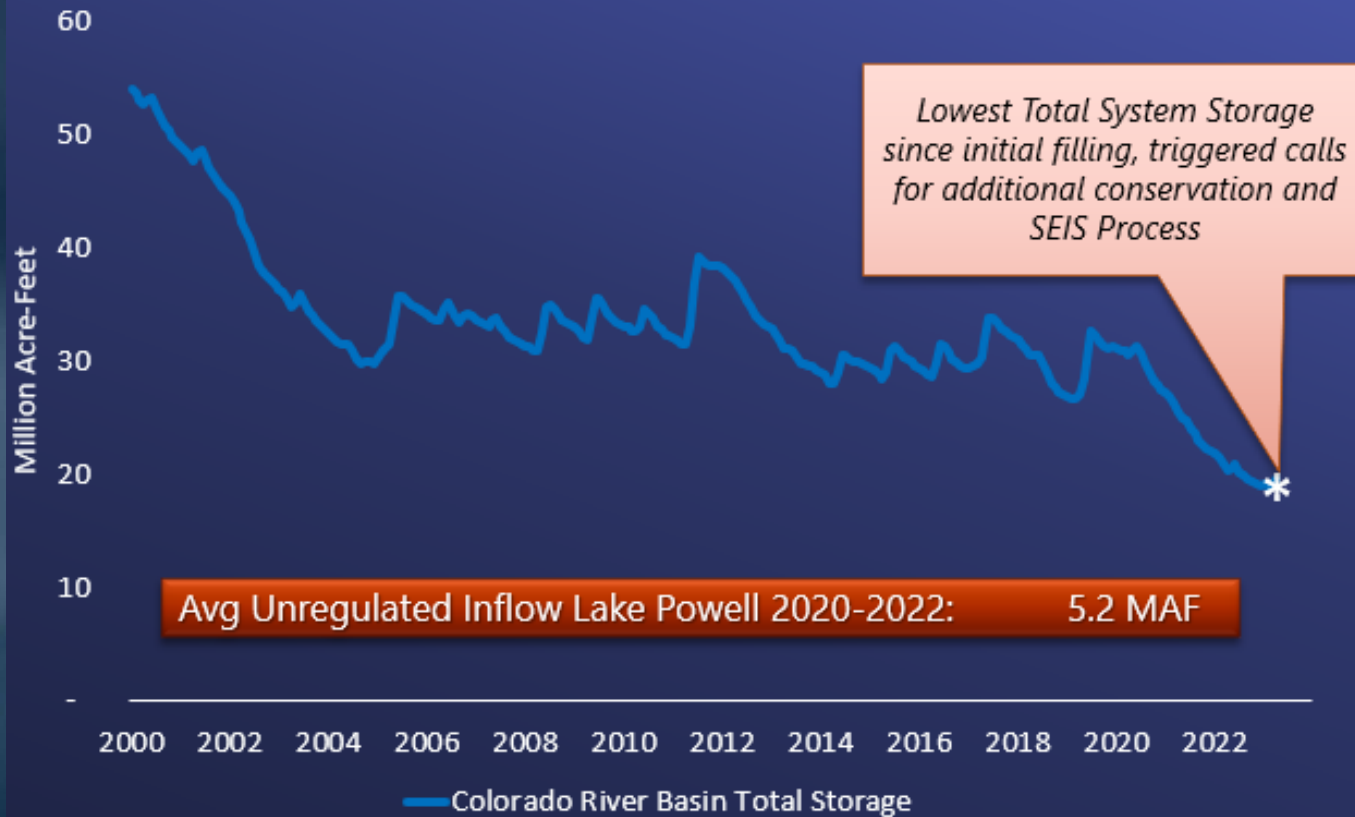
Colorado River Basin Total Storage



Beginning in Spring 2020, Colorado Basin Faces Hottest, Driest Year on Record



Colorado River Basin Total Storage

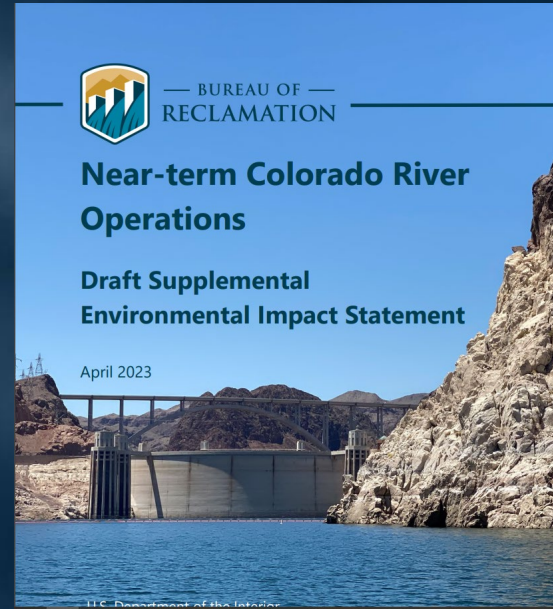


June 14, 2022: Commissioner Touton Calls for 2 – 4 MAF of Water Reductions in 2023

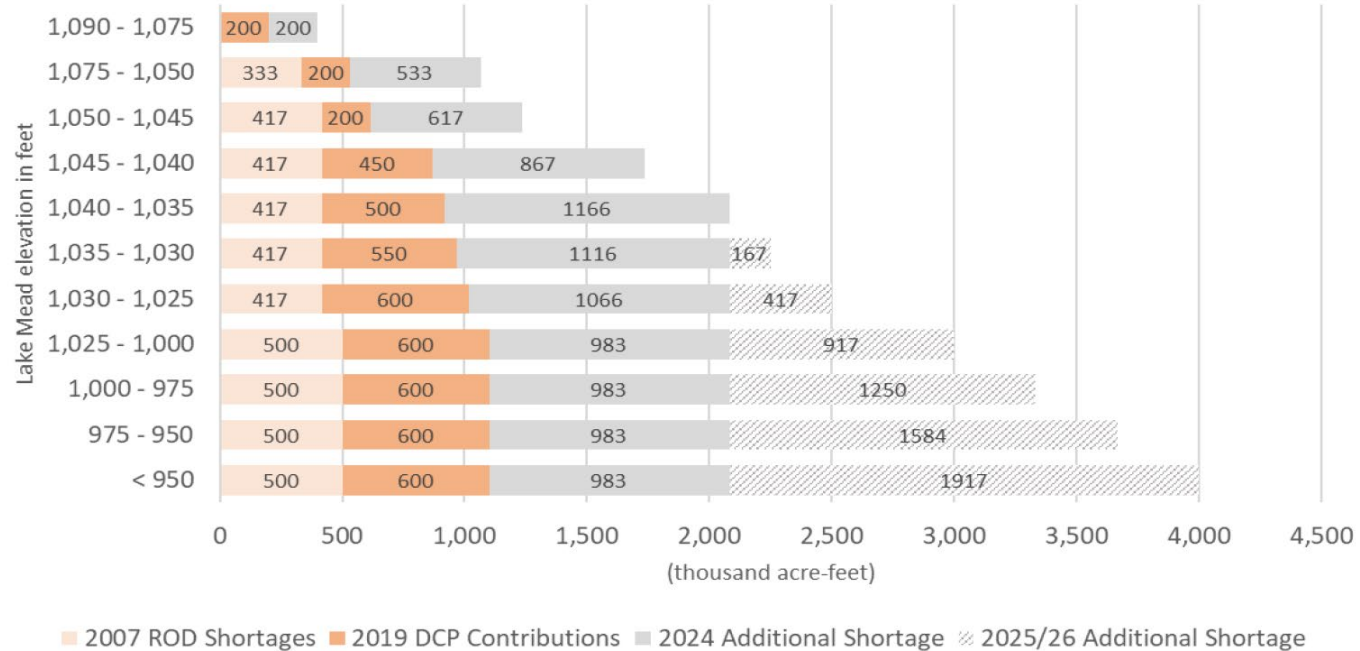


USBR Proposed to Amend 2007 Guidelines with Supplement EIS

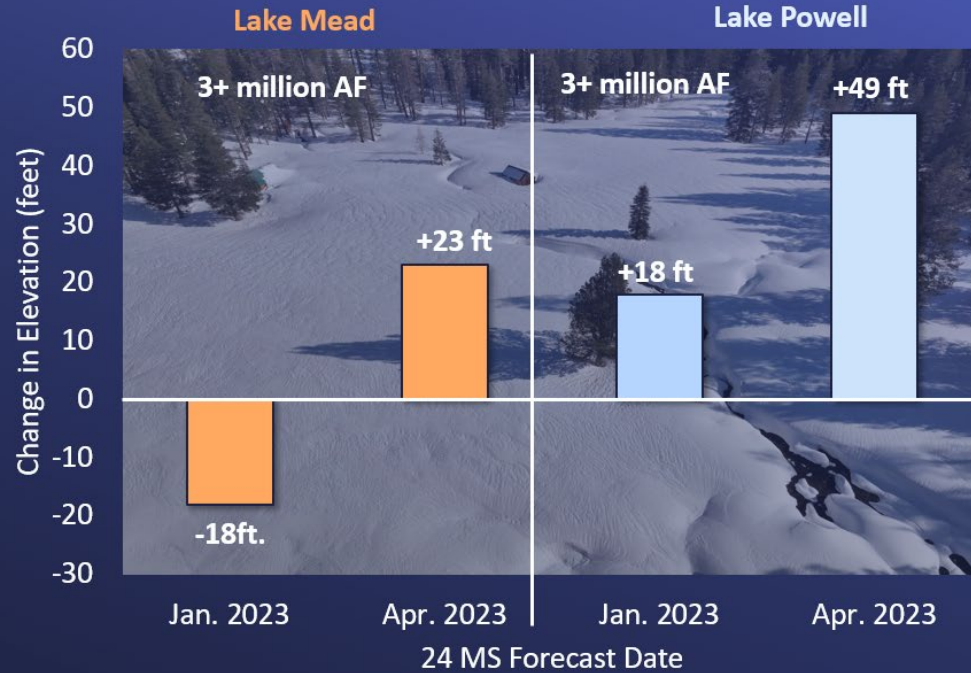
- No Action Alternate
- Law of River Alternative
- Pro-rata Sharing Alternative
- No Consensus-based Alternative Included



Modeled Lower Division States' Shortages and DCP Contributions Action Alternatives 1 and 2



Colorado River Storage Increasing in 2023



Forecasted Change In Lake Elevation in CY 2023

May 22 Lower Basin Consensus Proposal

- Consider changed conditions
- Implement 3 maf of new conservation through 2026
 - Up to 2.3 maf funded through IRA Phase I
- If needed, implement new cuts to protect critical Mead, Powell elevations
- Lower Glen Canyon Minimum Releases, if needed



The Colorado River Basin States Representatives of
Arizona, California, and Nevada

May 22, 2023

Sent via Electronic Mail

Camille Calimlim Touton, Commissioner
U.S. Bureau of Reclamation
1849 C Street NW
Washington, D.C. 20240

Dear Commissioner Touton:

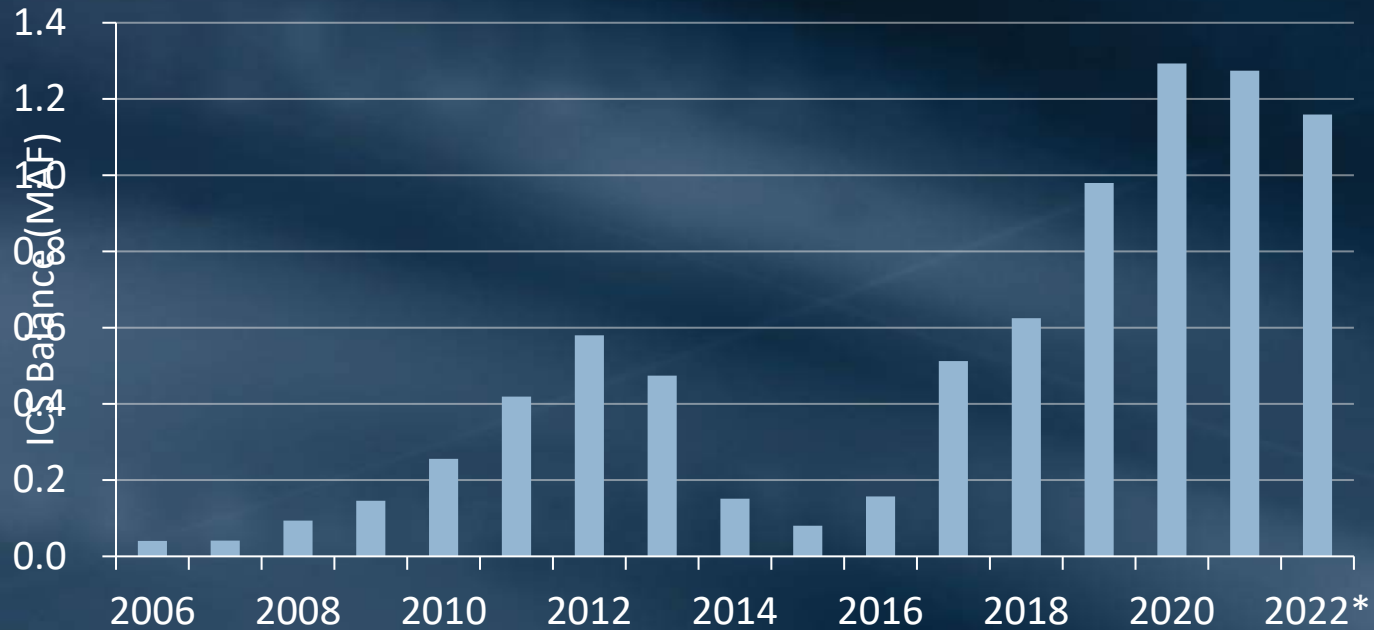
The Colorado River Basin States Representatives of Arizona, California, and Nevada (Lower Division States) have reached an agreement to conserve at least an additional 3 million acre-feet (MAF) of Colorado River Water in the Lower Basin by the end of calendar year 2026, with at least 1.5 MAF of that total being conserved by the end of calendar year 2024 (Lower Basin Plan). We request the Lower Basin Plan be fully analyzed as an action alternative in the Bureau of Reclamation's (Reclamation) Near-Term Colorado River Operations Draft Supplemental Environmental Impact Statement (Draft SEIS), published last month.

Throughout this process, and as affirmed at the time the Draft SEIS was announced last month, the Lower Division States Representatives remained committed to working together and with Reclamation to develop agreement(s) that meet the purpose and need of the Draft SEIS to "modify guidelines for operation of Glen Canyon and Hoover Dams to address historic drought, historically low reservoirs, and low-runoff conditions in the Basin" (Draft SEIS, Section 1.3). We believe this proposed action alternative both meets the purpose and need of the Draft SEIS and, when analyzed, will be shown to perform equally or better than the action alternatives originally proposed by Reclamation. The Lower Basin Plan does not require any unilateral exercise of federal authority to achieve these levels of conservation.

Potential California Reductions

California Proposed Reductions					
Provisional: Subject to Change					
Assumed Mead Elevation (ft)		1068	1046	1021	
	2023	2024	2025	2026	4-year total
Existing Mandatory Reductions					
07/DCP/323	721,000	613,000	721,000	1,375,000	3,430,000
Additional Mandatory Reduction					
California					
CVWD Groundwater Replenishm	35,000	35,000	35,000	35,000	140,000
MWD/Quechan Forbearance	13,000	13,000	13,000	13,000	52,000
MWD/PVID Fallowing	78,000	120,000	120,000	83,000	401,000
MWD/Bard Seasonal Fallowing	-	6,000	-	-	6,000
IID	50,000	250,000	250,000	250,000	800,000
Additional MWD Water In Mead	224,000	-	-	-	224,000
California Total	400,000	424,000	418,000	381,000	1,623,000

Metropolitan's ICS Balance



*Estimated EOY Balance. Subject to accounting adjustments

Clock Keeps Ticking on Interim Guidelines Expiration



Executed Dec. 2007; Expire Dec. 2025

We Need to Work Together to Save this Great River



*“Working hard for
something we do not care
about is called stress,
working hard for
something we love is called
passion.”*

-Simon Sinek





Shortage Impacts to CAP

Southern California Water Dialogue

Vineetha Kartha

Colorado River Programs Manager, Central Arizona Project

May 24, 2023

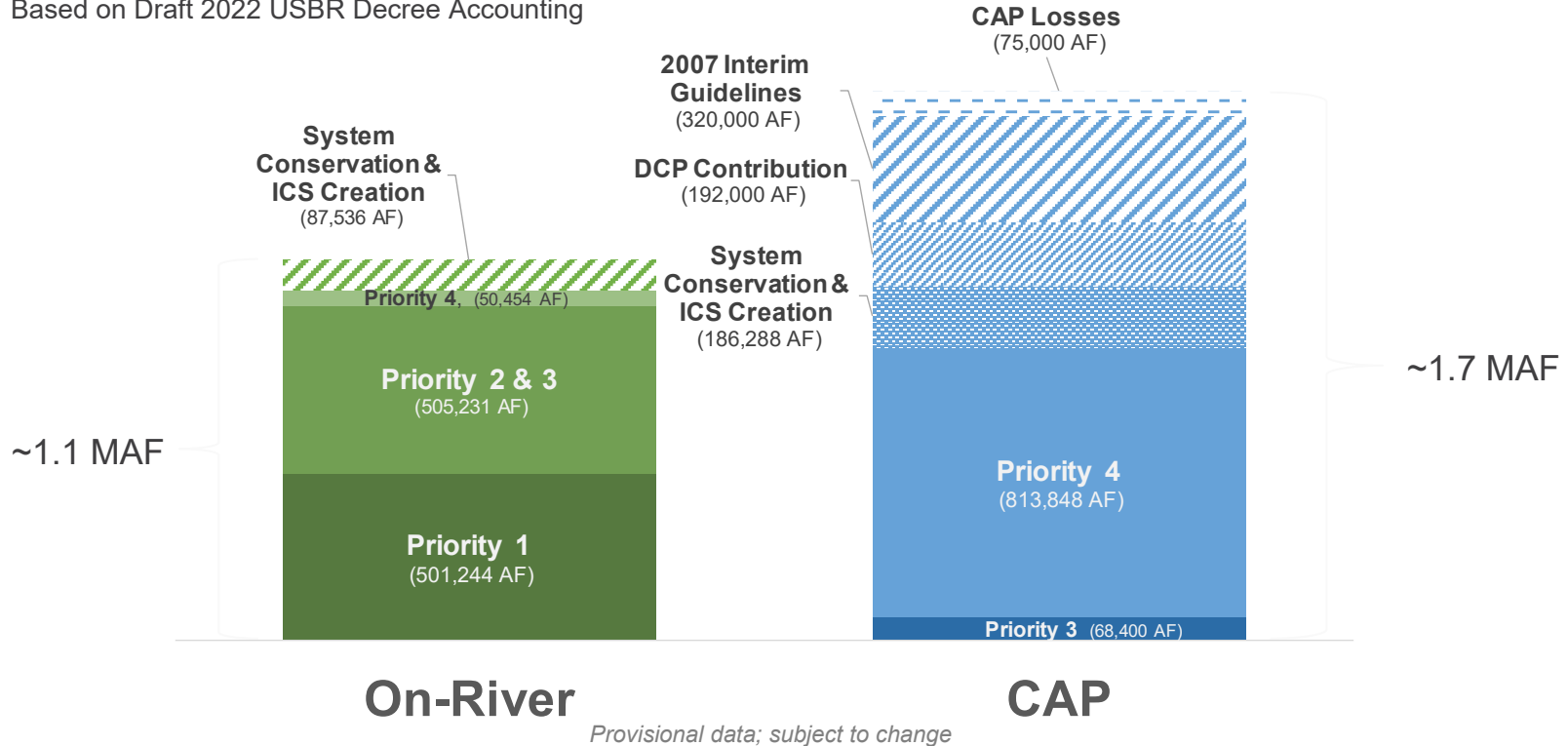
YOUR WATER. YOUR FUTURE.

Arizona Water Use By Source (2019)

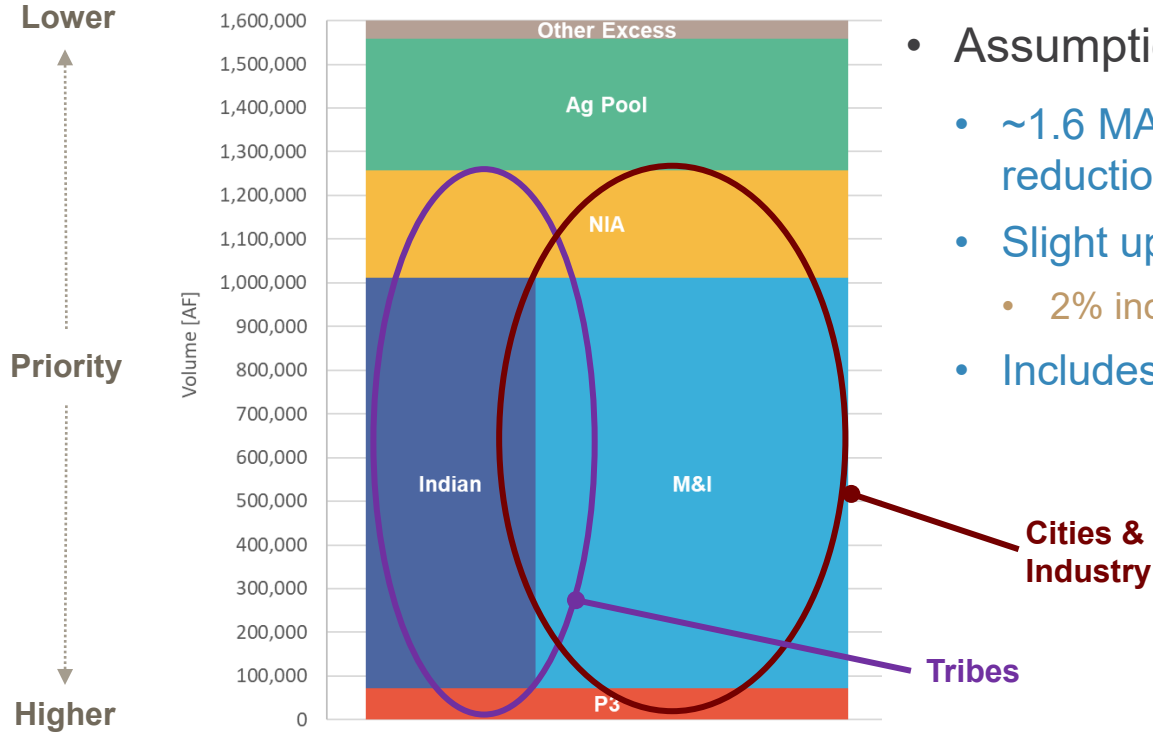


Arizona's Recent Colorado River Use

Based on Draft 2022 USBR Decree Accounting



CAP Priorities – Full Supply



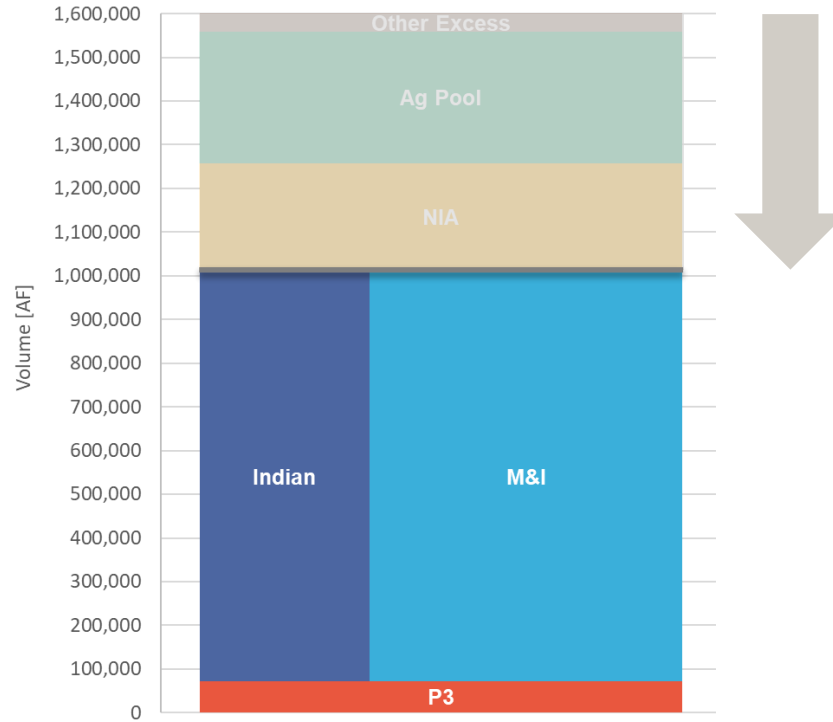
- Assumptions for 2023:
 - ~1.6 MAF of delivery supply prior to reductions (2007 guidelines and LBDGP)
 - Slight uptick in orders compared to 2022
 - 2% increase in M&I orders
 - Includes NIA Reallocation parties

Mead Tier 2a Shortage in 2023

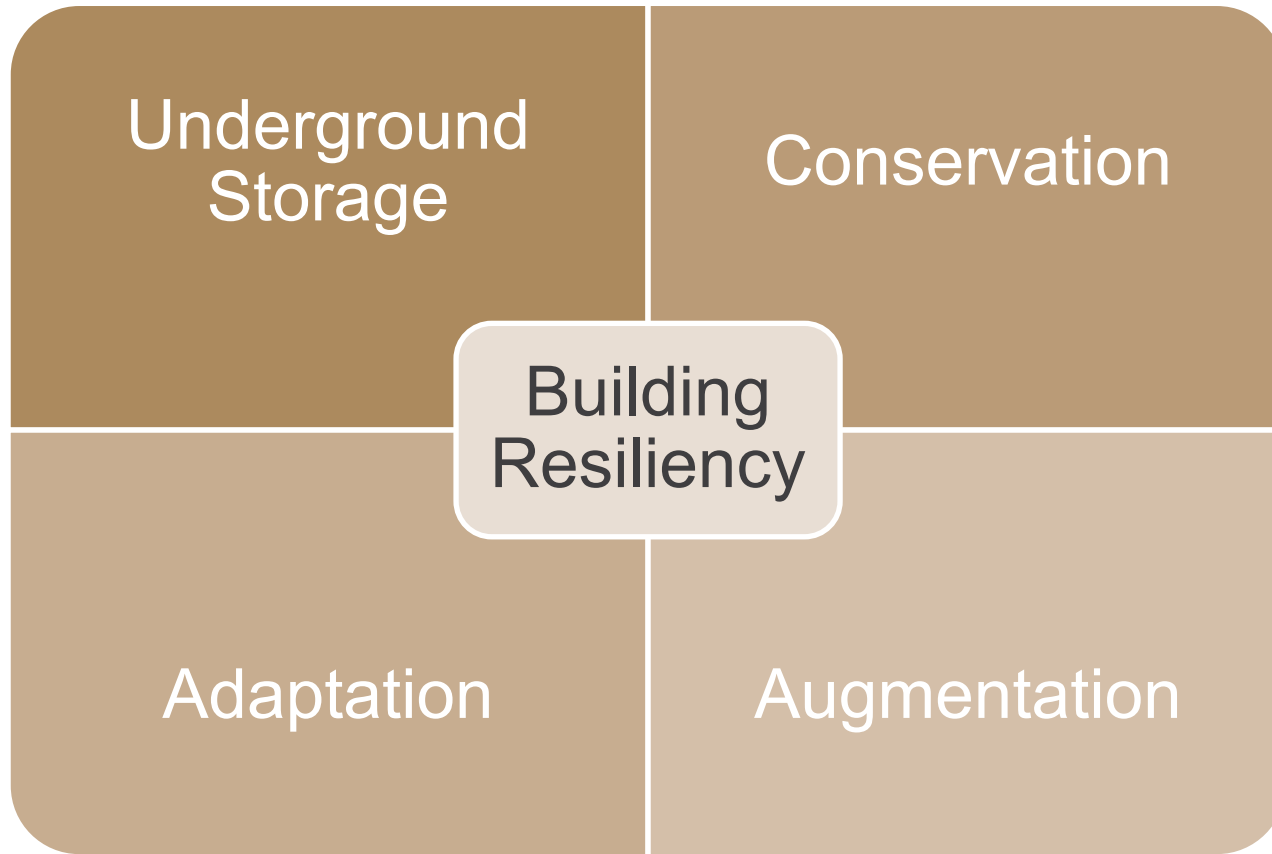
Tier 2a reductions include:

- Arizona: 592,000 acre-feet, which is approximately 21% of the state's annual apportionment
- Nevada: 25,000 acre-feet, which is 8% of the state's annual apportionment
- Mexico: 104,000 acre-feet, which is approximately 7% of the country's annual allotment
- There is no required water savings contribution for California in 2023 under this operating condition

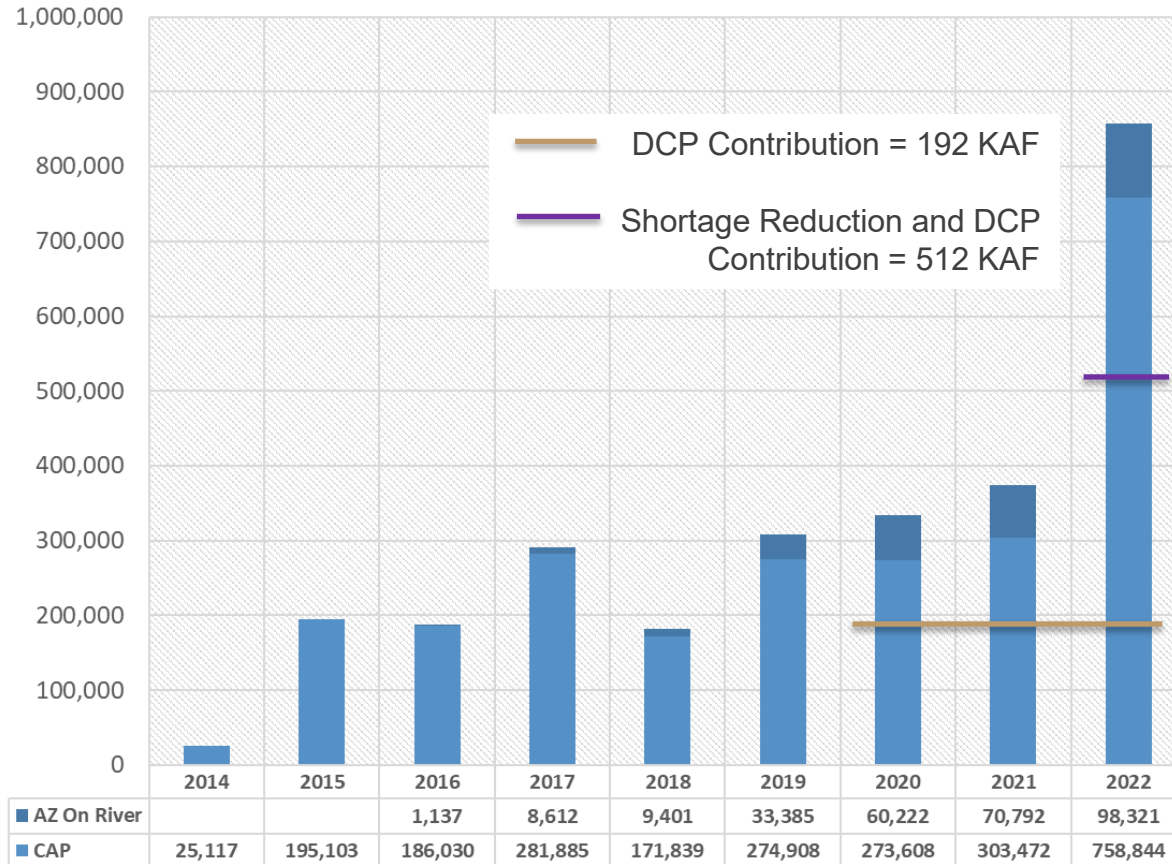
2023 – Tier 2a Shortage



Preparing for Shortages



Arizona Water Conserved in Lake Mead



Arizona Colorado River Water Conserved in Lake Mead

Includes

- 2007 Guidelines
- DCP Contributions
- ICS Creation
- Voluntary System Conservation Programs

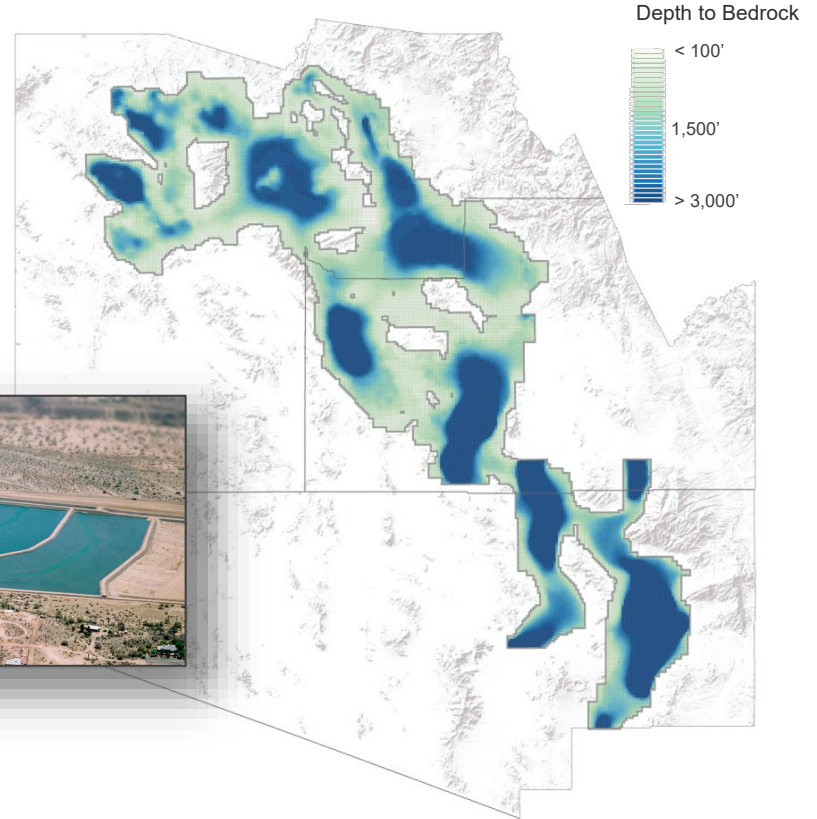
Adaptation

- Application of high efficiency irrigation technology
- Seek multiple benefits, including Colorado River system conservation, protection and/or enhancement of irrigation-based economy, and improved crop quality
- Develop and/or enhance partnerships
- Components of the Ag efficiency Demonstrations –
 - Field and Farm scale applications
 - Range of crops
 - Variety of sites



Water Banking

- Recharging water for later use is a critical part of Arizona's strategy for dealing with Colorado River shortages



Key Takeaways

- Central Arizona has adopted a multifaceted approach to managing shortage
- There are long-standing conservation and drought management requirements in place
- The CAP priority system helps reduce the impact to supplies used by public and private water companies
- Banking water in our aquifers has created a valuable supplemental supply for long-term use
- Shortage impacts can be further reduced with adaptation, diversification of supplies, infrastructure investments and innovative partnerships



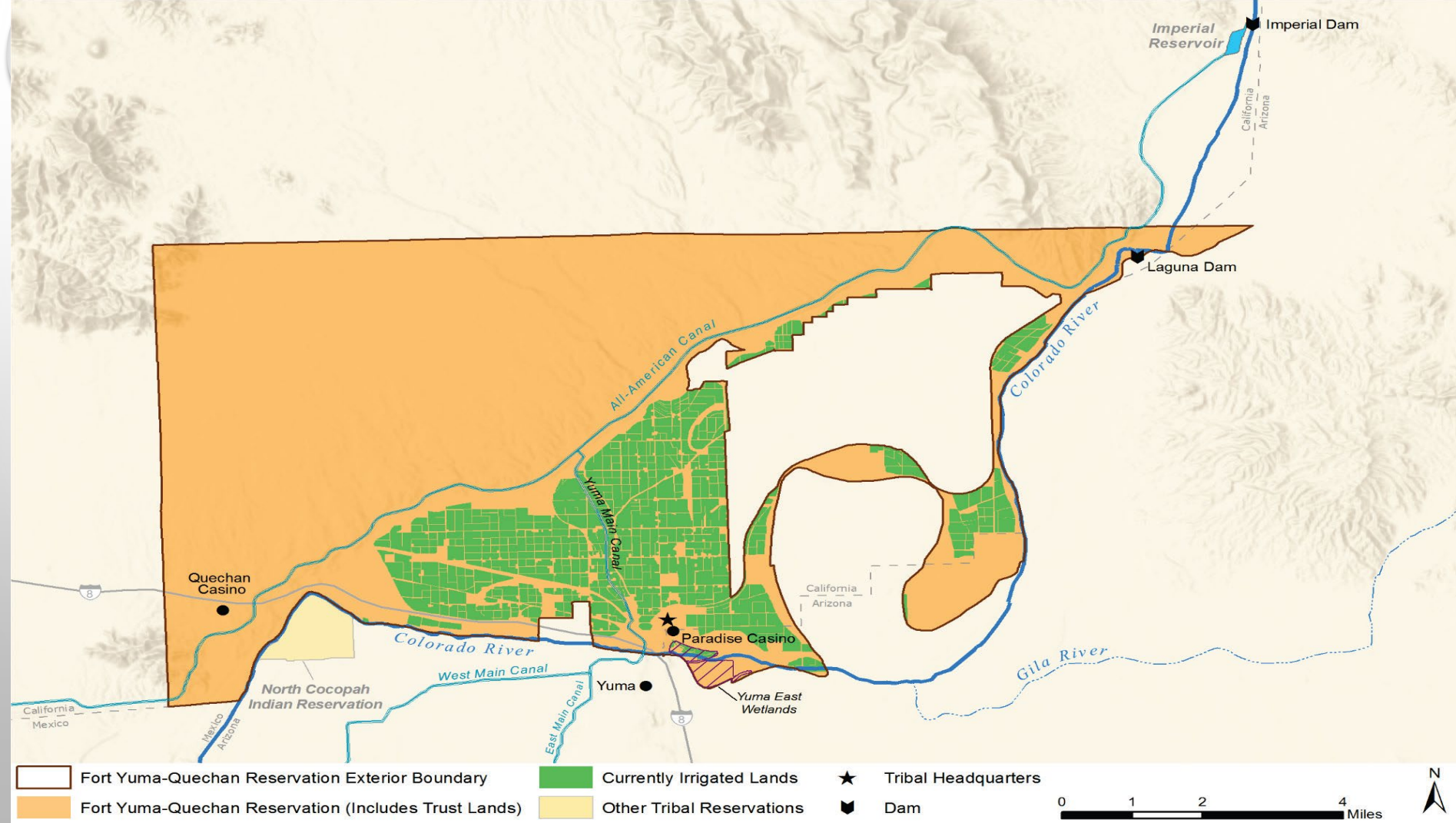
Questions?

YOUR WATER. YOUR FUTURE.



JAY WEINER
WATER COUNSEL
QUECHAN INDIAN TRIBE

SOUTHERN CALIFORNIA WATER DIALOGUE
MAY 24, 2023







QUECHAN TRIBE WATER RIGHTS

California	Arizona
71,616 AF (diverted)	6,350 AF (diverted)
Priority Date: January 9, 1884	Priority Date: January 9, 1884
PIA acreage: 10,742 acres	PIA acreage: 952 acres

As decreed by the US Supreme Court in *Arizona v. California*,
450 US 150 (2006)



WATER SHARING AGREEMENTS:

FORBEARANCE AGREEMENT WITH METROPOLITAN WATER DISTRICT

(2005 SETTLEMENT AGREEMENT)

SEASONAL FALLOWING PILOT PROGRAM WITH METROPOLITAN WATER DISTRICT

(BEGAN IN 2022)

LOWER COLORADO SYSTEM CONSERVATION AND EFFICIENCY PROGRAM 1A PROPOSAL

(UNDER NEGOTIATION)



WALTON FAMILY
FOUNDATION

Southern California Water Dialogue

Ted Kowalski
Walton Family Foundation
March 24, 2023

The Walton Family Foundation's Work



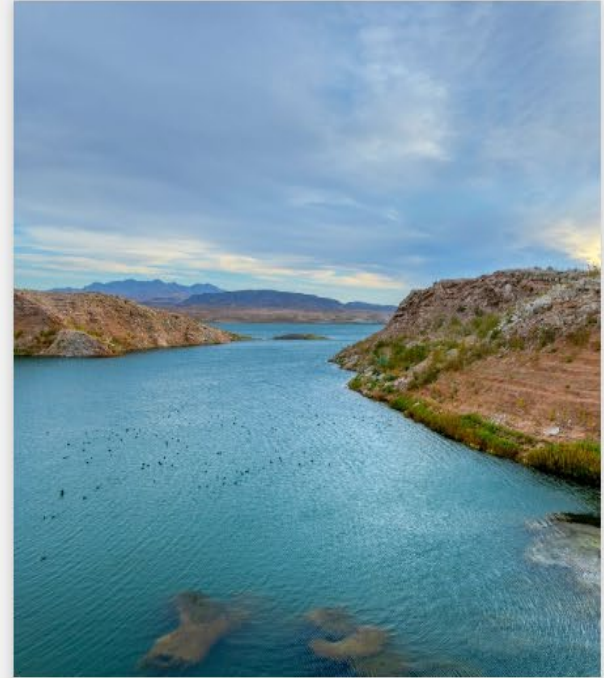
Home Region

Supporting Communities in Northwest
Arkansas and the Arkansas-Mississippi
Delta



K-12 Education

Community-Designed, Community-
Driven Educational Change



Environment

Protecting Rivers, Oceans and the
Communities They Support

Colorado River Basin, By the numbers

- Over-allocated system
- Serves 40 Million people
- +\$26 billion recreational economy
- 4 million acres of agricultural land
- Generates >4200 MW hydropower
- 16 national parks, refuges and recreational areas







WALTON FAMILY
FOUNDATION

We believe
conservation
solutions that make
economic sense,
stand the test of time.

We believe in the value of collaboration.

- We work to achieve lasting change by creating new and unexpected partnerships among conservation, agricultural, business and community interests.





Collaboration is key!

How can we promote equity and diversity and inclusion,
in our water management decisions?



Lifting up Tribal Voices



Technical Innovation



This OpenET map shows the cumulative evapotranspiration using an ensemble of six models for the Bakersfield, California, area, with the highest amounts in dark blue.



Natural Infrastructure





Supply/Demand Work

Bipartisan Infrastructure and Jobs Act Passes

NOVEMBER 10, 2021

Infrastructure bill includes billions of dollars for Western water projects

\$300 million will help implement drought contingency plans in the Colorado River Basin.

by Alex Hager, KUNC

Infrastructure Bill Makes First Major U.S. Investment in Climate Resilience

The measure includes \$47 billion to help communities prepare for the new age of extreme fires, floods, storms and droughts that scientists say are worsened by human-caused climate change.

POLITICS AND GOVERNMENT

Congress' bipartisan infrastructure bill includes \$8.3 billion for Western water. Here's how Colorado stands to benefit.

\$300 million would go directly to carrying out the Colorado River Basin Drought Contingency Plan, \$50 million of which would go to Upper Basin states, including Colorado



Urban
Conservation
& Re-Use

Upgrading
Agricultural
Infrastructure
& Operations



Forest
Management
& Restoration

Natural
Distributed
Storage



Covering
Reservoirs
& Canals

EXPERIENCED

EMERGING

THEORETICAL

Industrial
Conservation
& Re-Use

Cropping
Alternatives &
New Market
Pathways

Regenerative
Agriculture

Coal Plant
Retirement
Water

Reducing
Dust on
Snow



BLUECOMMONS

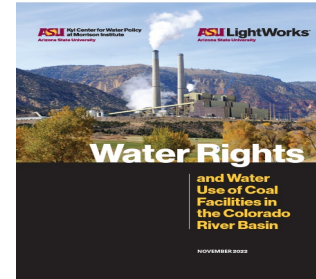
Commonsense. Action. Impact.

[Our Approach](#) [Team](#) [Strategies](#) [Contact Us](#)

Cooling Water Conservation Fund

Industrial water use is a substantial portion of total overall water demand in many municipalities, yet industrial conservation is often hard to address due to industrial customer demands that cannot be easily regulated. However, many industrial users share at least one type of high-water demand that can be addressed through common conservation approaches: their low-energy efficiency wet-cooling systems.

Relatively simple upgrades to existing wet-cooling systems can substantially increase the number of cycles during which the same water can be used in cooling.



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FOUNDATION



Ted Kowalski

tkowalski@wffmail.com

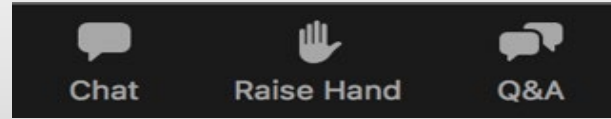
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Question and Answer



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Q&A

Welcome
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Q&A

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Southern California Water Dialogue Webinar

Wednesday, June 28, 2023

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to send us any comments.*