

Welcome



Mark Monin

Chair, WACO

Director, El Toro Water District



WACO Meeting – May 5, 2023



I pledge allegiance to the flag
of the United States of
America, and to the republic
for which it stands, one nation
under God, indivisible, with
liberty and justice for all.

Reminders

- Participants will be muted during the presentation
- We will cover reports first, then hear from program speaker
- Q&A will be conducted after the presentation
- To ask a question, please use the chat box or raise hand feature



WEROC Report



Vicki Osborn
*Director of Emergency
Management
WEROC/MWDOC*



MET Report



Linda Ackerman
MWDOC MET Director



CSDA Report



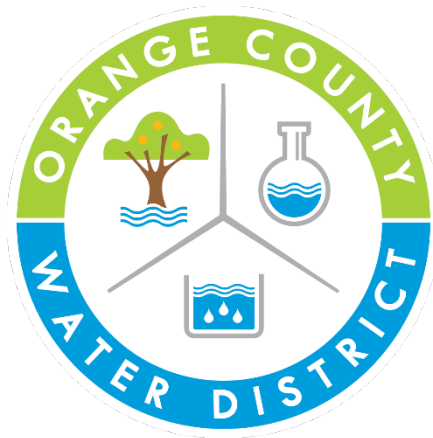
**California Special
Districts Association**
Districts Stronger Together



Chris Palmer
*Senior Public Affairs
Field Coordinator*



ACWA Report



SINCE 1933



Cathy Green

President, OCWD

Vice President, ACWA



Program

Proposed Revisions to the Colorado River Supplemental Environmental Impact Statement (SEIS)



Bill Hasencamp

*Manager, Colorado River Resources
Metropolitan Water District of
Southern California*



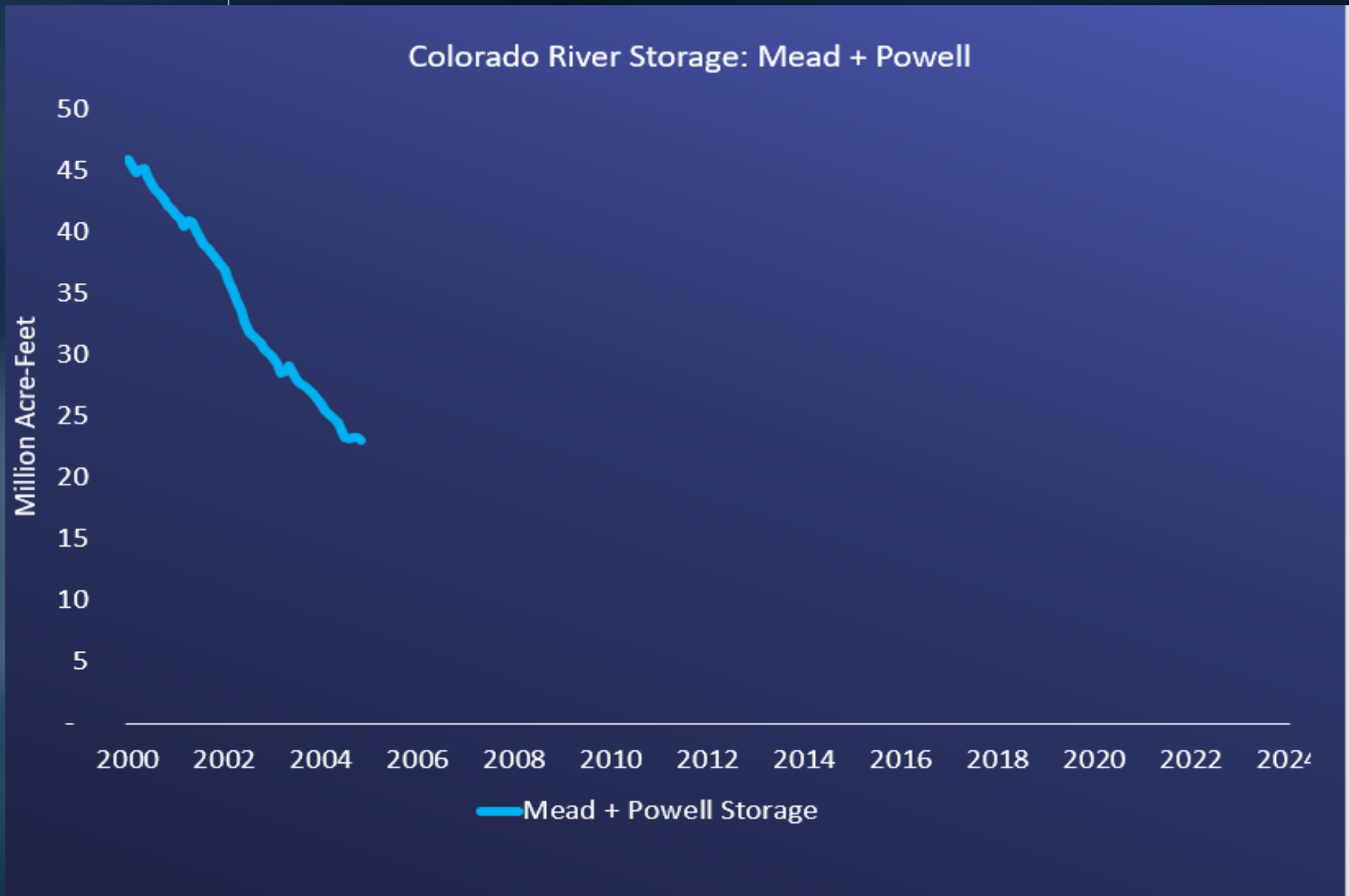


Water Advisory Committee of Orange County

May 5, 2023

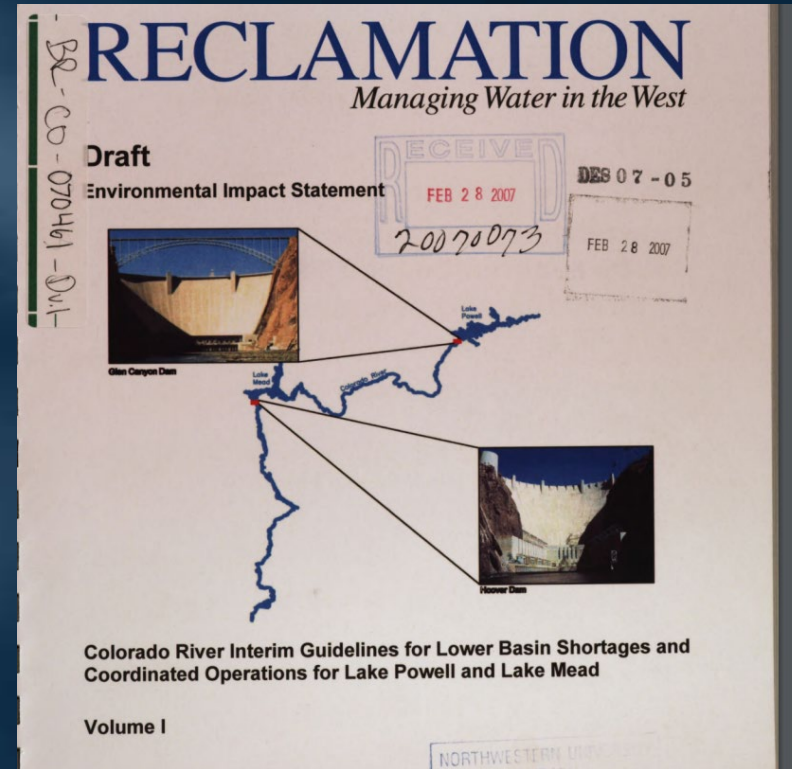
*Proposed Changes to
Colorado River Operating
Rules*





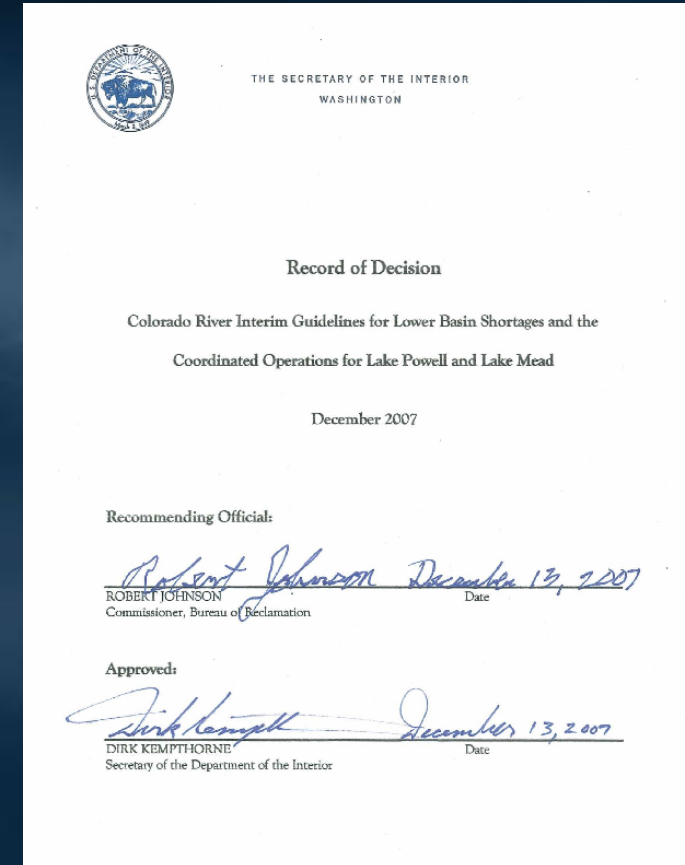
2007 Interim Guidelines DEIS Alternatives

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



2007 Interim Guidelines

- Effective through 2026
- Key Guidelines Provisions
 - Established Lower Basin Surplus and Shortage Triggers
 - Coordinated Reservoir Operations
 - Developed Intentionally Created Surplus (ICS)



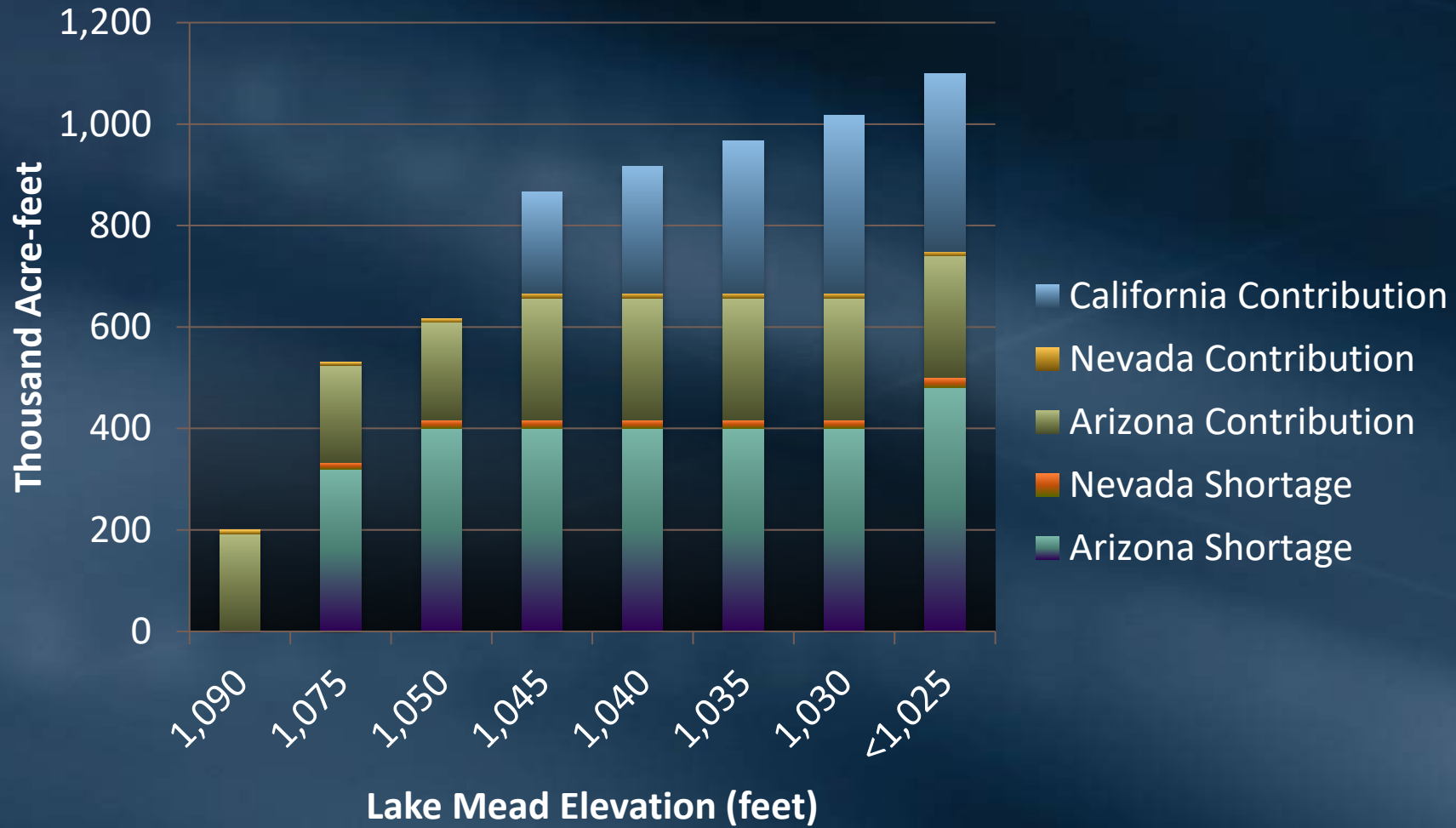
**Interim Guidelines for the
Operation of Lake Powell
and Lake Mead**

Lake Powell Operational Tiers (subject to April adjustments or mid-year review modifications)		
Lake Powell Elevation (feet)	Lake Powell Operational Tier	Lake Powell Active Storage (maf)
3,700	Equalization Tier equalize, avoid spills or release 8.23 maf	24.32
3,636 – 3,666 (see table below)	----- Upper Elevation Balancing Tier release 8.23 maf; if Lake Mead < 1,075 feet, balance contents with a min/max release of 7.0 and 9.0 maf	15.54 – 19.29 (2008 – 2026)
3,575	----- Mid-Elevation Release Tier release 7.48 maf; if Lake Mead < 1,025 feet, release 8.23 maf	9.52
3,525	----- Lower Elevation Balancing Tier balance contents with a min/max release of 7.0 and 9.5 maf	5.93
3,370		0

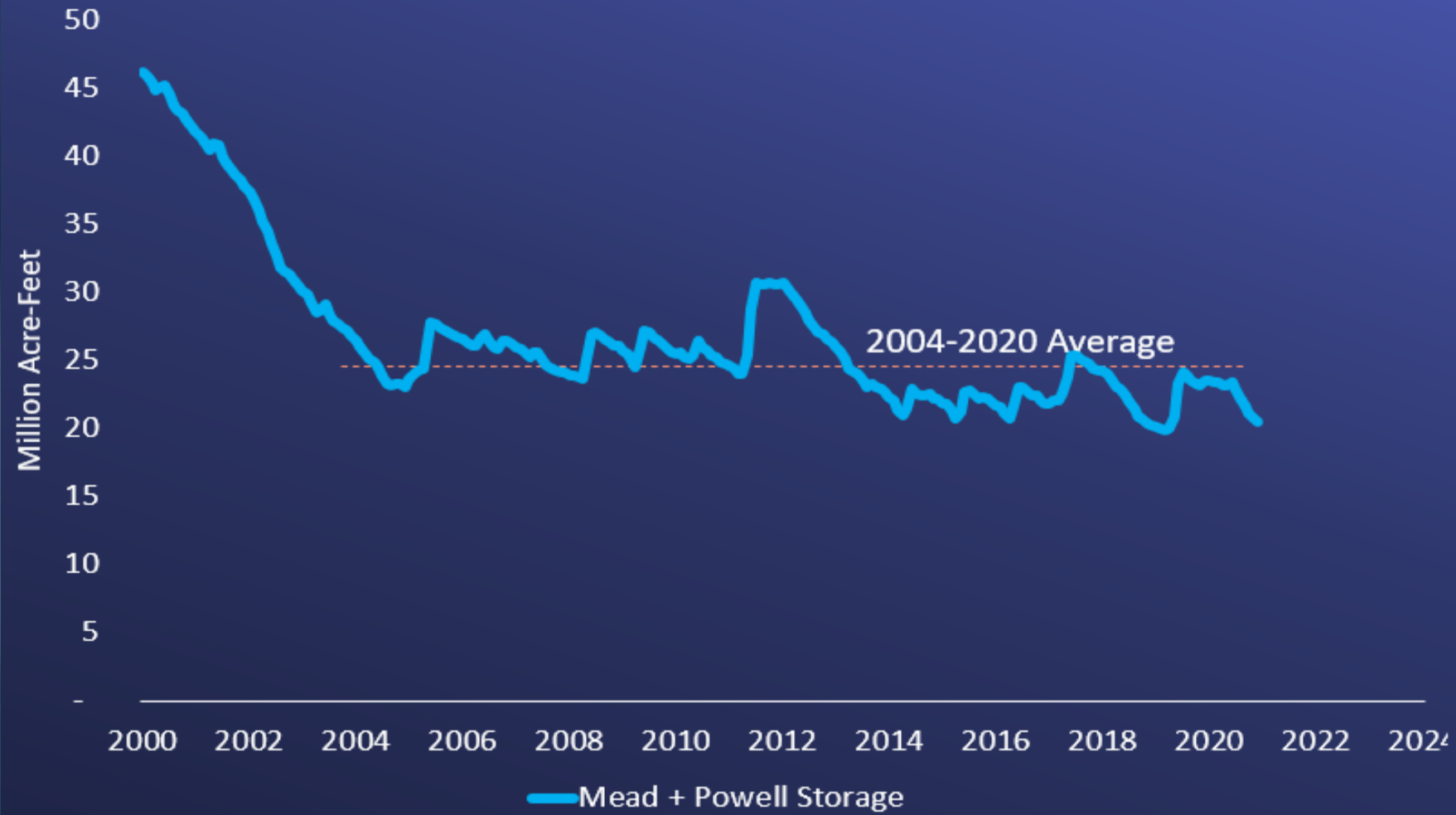
May 21, 2019: Interior, 7 States Approve Colorado River Drought Contingency Plan



DCP Water Reductions



Colorado River Storage: Mead + Powell



Feds Take Action to Protect Glen Canyon Dam

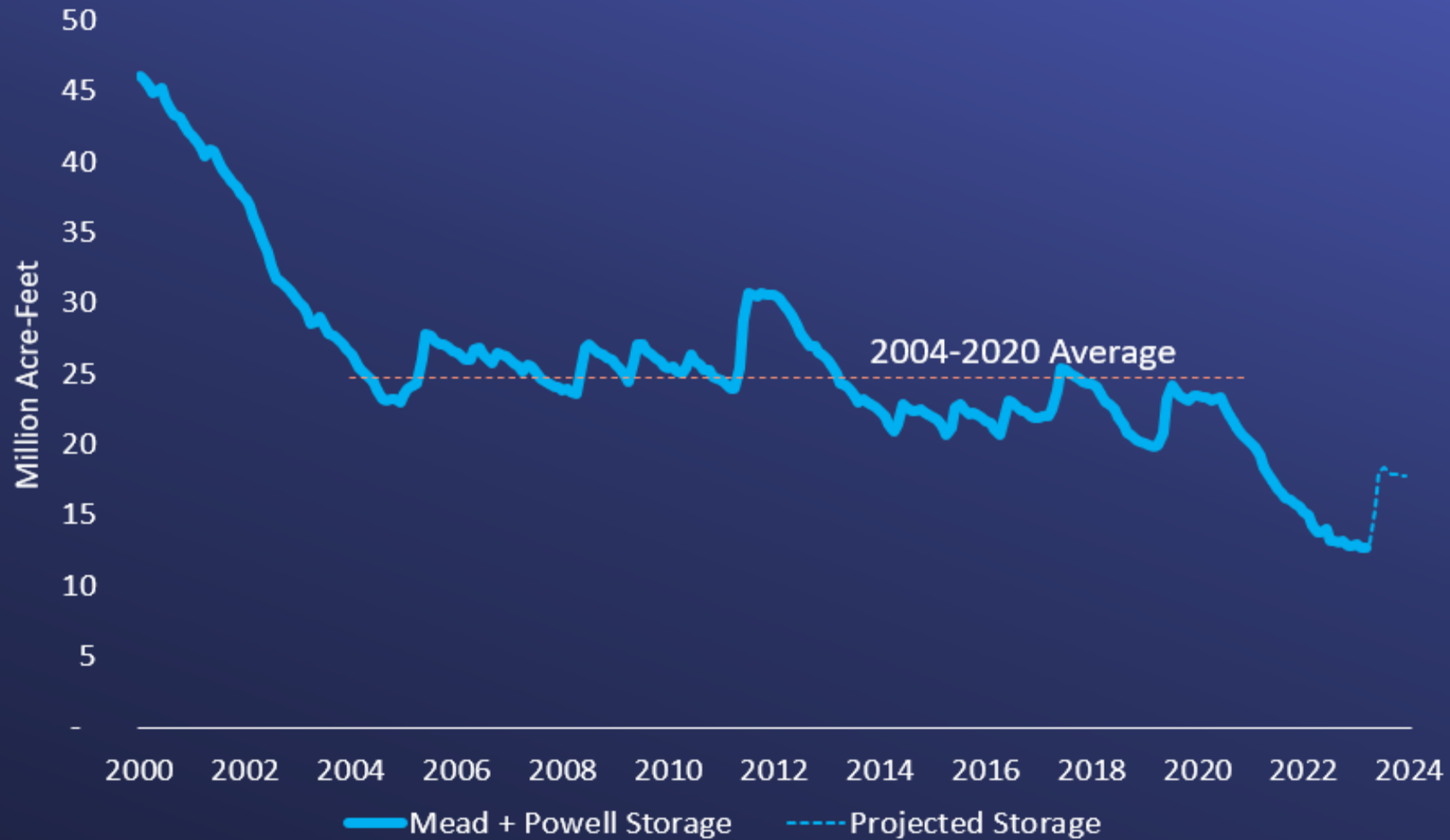
Releasing water from Glen Canyon Dam



- Power generation
 - 8 penstocks / turbines / generators
 - Center line elevation: 3,470 ft
 - Up to ~33,000 cfs
- River Outlet Works (Bypass Tubes)
 - 4 outlets / valves
 - Center line elevation: 3,374 ft
 - Up to 15,000 cfs
- Spillway
 - 2 spillways
 - Crest elevation: 3,648 ft
 - Up to 276,000 cfs



Colorado River Storage: Mead + Powell



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



USBR to Amend 2007 Guidelines



— BUREAU OF —
RECLAMATION

Notice of Intent to Prepare a Supplemental Environmental Impact Statement

Public Informational Webinars per 87 FR 69042
November 29 and December 2, 2022

Three Alternatives Analyzed

Draft SEIS

Draft SEIS Alternatives

The Draft SEIS notes the alternatives submitted by the Colorado River Basin States, but developed its own alternatives for analysis in this SEIS process.

- **Alternative 1:** reduces deliveries in the Lower Basin according to priority
- **Alternative 2:** reduces deliveries to all Lower Basin water users on a pro-rata basis
- No Action Alternative
- *Draft SEIS did not identify a preferred alternative*

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

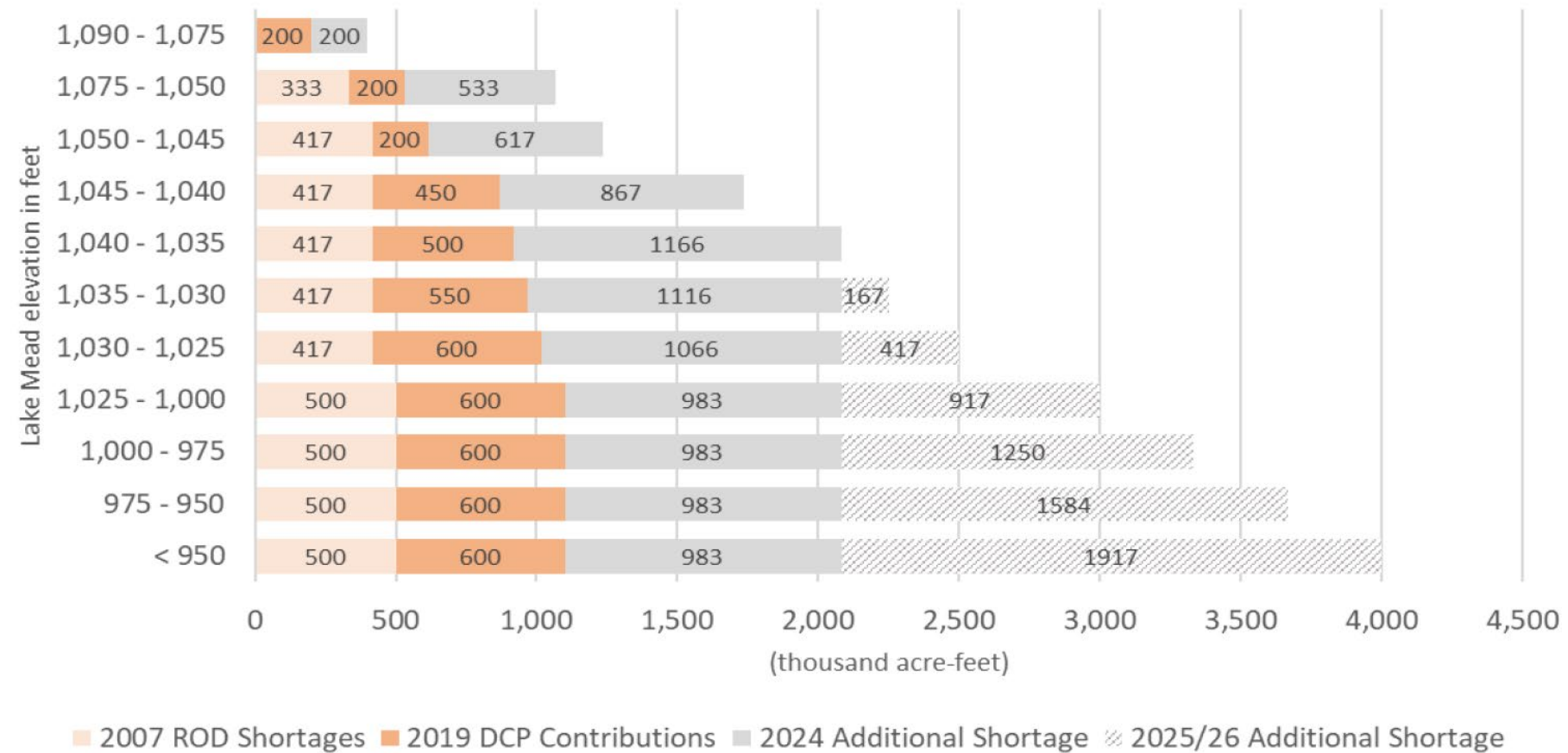


Table 2-4
Lower Division States' Shortages and DCP Contributions by State, Action Alternative 1
(2024)

Lake Mead Elevation (feet)	2007 ROD Shortage + 2019 DCP Contributions (1,000 af)				2024 Action Alternative 1 Additional Shortage* (1,000 af)				2024 Total Shortages + Contributions (1,000 af)			
	AZ	NV	CA	Total	AZ	NV	CA	Total	AZ	NV	CA	Total
1,090 – >1,075	192	8	0	200	192	8	0	200	384	16	0	400
1,075 – 1,050	512	21	0	533	511	22	0	533	1,023	43	0	1,066
<1,050 – >1,045	592	25	0	617	593	24	0	617	1,185	49	0	1,234
1,045 – >1,040	640	27	200	867	1,025	42	0**	1,067	1,665	69	200	1,734***
1,040 – >1,035	640	27	250	917	1,098	56	12	1,166	1,738	83	262	2,083
1,035 – >1,030	640	27	300	967	1,098	56	0**	1,154	1,738	83	300	2,083***
1,030 – 1,025	640	27	350	1,017	1,098	56	0**	1,154	1,738	83	350	2,083***
<1,025 – 1,000	720	30	350	1,100	1,018	53	0**	1,071	1,738	83	350	2,083***
<1,000 – 975	720	30	350	1,100	1,018	53	0**	1,071	1,738	83	350	2,083***
<975 – 950	720	30	350	1,100	1,018	53	0**	1,071	1,738	83	350	2,083***
<950	720	30	350	1,100	1,018	53	0**	1,071	1,738	83	350	2,083***

Table 3-1
Lower Division States' Shortages and Contributions by State, Action Alternative 1
(2025–2026)
(All volumes in 1,000 af)

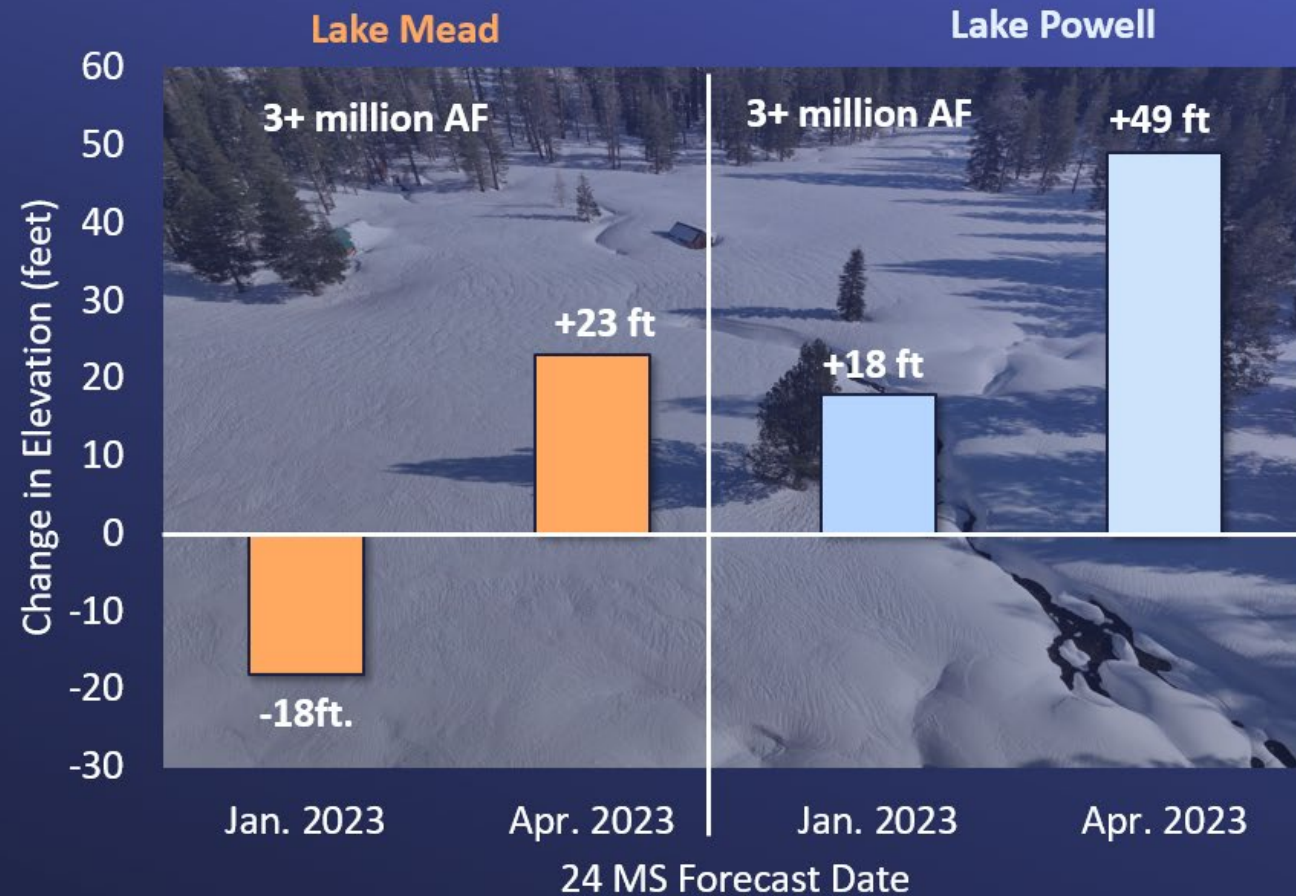
Lake Mead Elevation (feet)	2007 ROD Shortage + 2019 DCP Contributions				2025–2026 Action Alternative 1 Additional Shortage*				2025–2026 Total Shortages and Contributions			
	AZ	NV	CA	Total	AZ	NV	CA	Total	AZ	NV	CA	Total
1,090 – >1,075	192	8	0	200	192	8	0	200	384	16	0	400
1,075 – 1,050	512	21	0	533	511	22	0	533	1,023	43	0	1,066
<1,050 – >1,045	592	25	0	617	593	24	0	617	1,185	49	0	1,234
1,045 – >1,040	640	27	200	867	1,025	42	0**	1,067	1,665	69	200	1,734***
1,040 – >1,035	640	27	250	917	1,098	56	12	1,166	1,738	83	262	2,083
1,035 – >1,030	640	27	300	967	1,131	63	89	1,131	1,771	90	389	2,250
1,030 – 1,025	640	27	350	1,017	1,180	73	230	1,180	1,820	100	580	2,500
<1,025 – 1,000	720	30	350	1,100	1,198	90	612	1,900	1,918	120	962	3,000
<1,000 – 975	720	30	350	1,100	1,263	103	867	2,233	1,983	133	1,217	3,333
<975 – 950	720	30	350	1,100	1,329	117	1,122	2,567	2,049	147	1,472	3,667
<950	720	30	350	1,100	1,394	130	1,376	2,900	2,114	160	1,726	4,000

Lake Mead Elevation (feet)	2007 ROD Shortages + 2019 DCP Contributions (1,000 af)				2024 Additional Shortage* (1,000 af)				
	AZ	NV	CA	Total	Percentage Additional Reduction**	AZ	NV	CA	Total
1,090 – >1,075	192	8	0	200	2.67%	75	8	117	200
1,075 – 1,050	512	21	0	533	7.11%	199	21	313	533
<1,050 – >1,045	592	25	0	617	8.23%	230	25	362	617
1,045 – >1,040	640	27	200	867	11.56%	324	35	509	867
1,040 – >1,035	640	27	250	917	15.55%	435	47	684	1,166
1,035 – >1,030	640	27	300	967	14.88%	417	45	655	1,116
1,030 – 1,025	640	27	350	1,017	14.21%	398	43	625	1,066
<1,025 – 1,000	720	30	350	1,100	13.11%	367	39	577	983
<1,000 – 975	720	30	350	1,100	13.11%	367	39	577	983
<975 – 950	720	30	350	1,100	13.11%	367	39	577	983
<950	720	30	350	1,100	13.11%	367	39	577	983

Alternative 2: Pro-Rata

In Alternative 2, reductions would be made on all Lower Basin water users on a pro-rata basis. The percentage of reduction is based on Lake Mead elevations.

Colorado River Storage Increasing in 2023



Forecasted Change In Lake Elevation in CY 2023

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
Arizona					

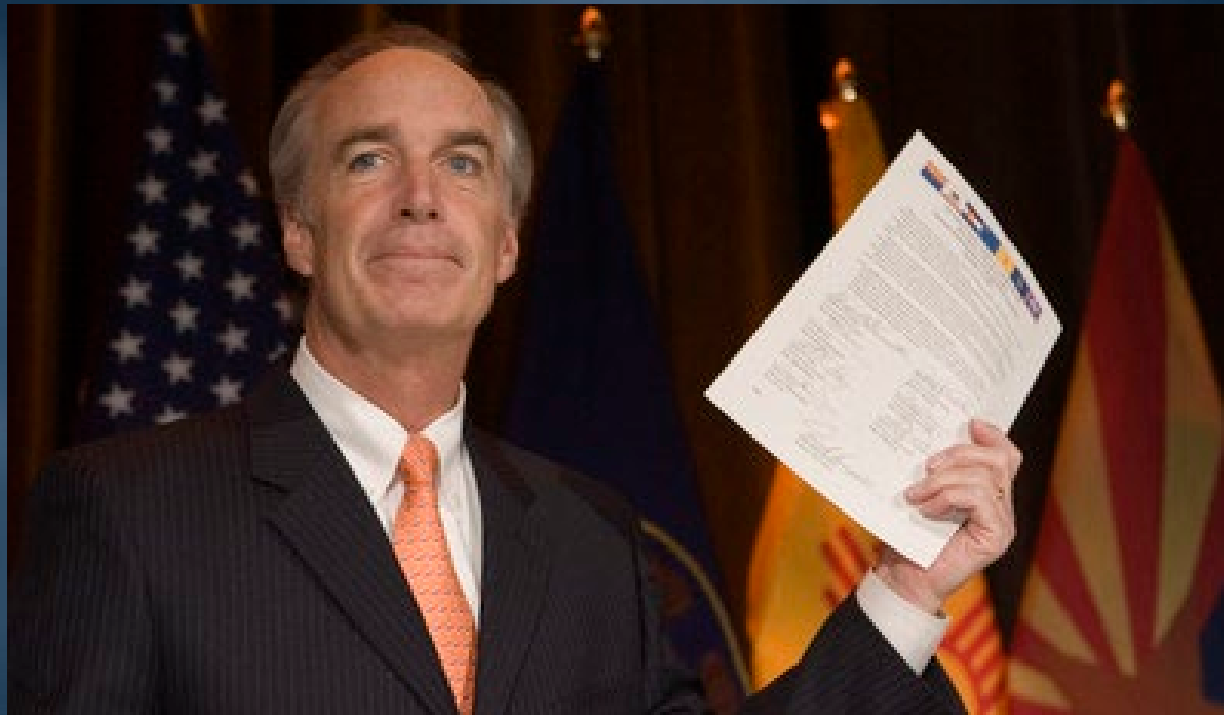
Metropolitan's ICS Balance



*Estimated EOY Balance. Subject to accounting adjustments

Clock Keeps Ticking on Interim Guidelines Expiration

Executed Dec. 2007; Expire Dec. 2025



Implications of Current Colorado River Conditions to our Region



We Need to Work Together to Save this Great River





Questions

To ask a question, please use the chat box or use the raise hand feature.





Thank you

Next WACO meeting:

Friday, June 2, 2023 at 7:30am

Next WACO planning meeting:

Tuesday, May 16, 2023 at 7:30am via Zoom

