



Southern Arizona Water Users Association

September 29, 2023

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General Manager

YOUR WATER. YOUR FUTURE.

Colorado River Basin Map

Supplies water to 40 million people

Provides water to Salt Lake City, Las Vegas, Phoenix, Los Angeles, San Diego, and the front range

Includes 30 Tribes

Irrigates ~5 million acres of farmland

Includes 60 million acre-feet of storage capacity

Generates clean hydropower for the Western power grid

Supports National Parks, wildlife refuges, recreation areas and monuments



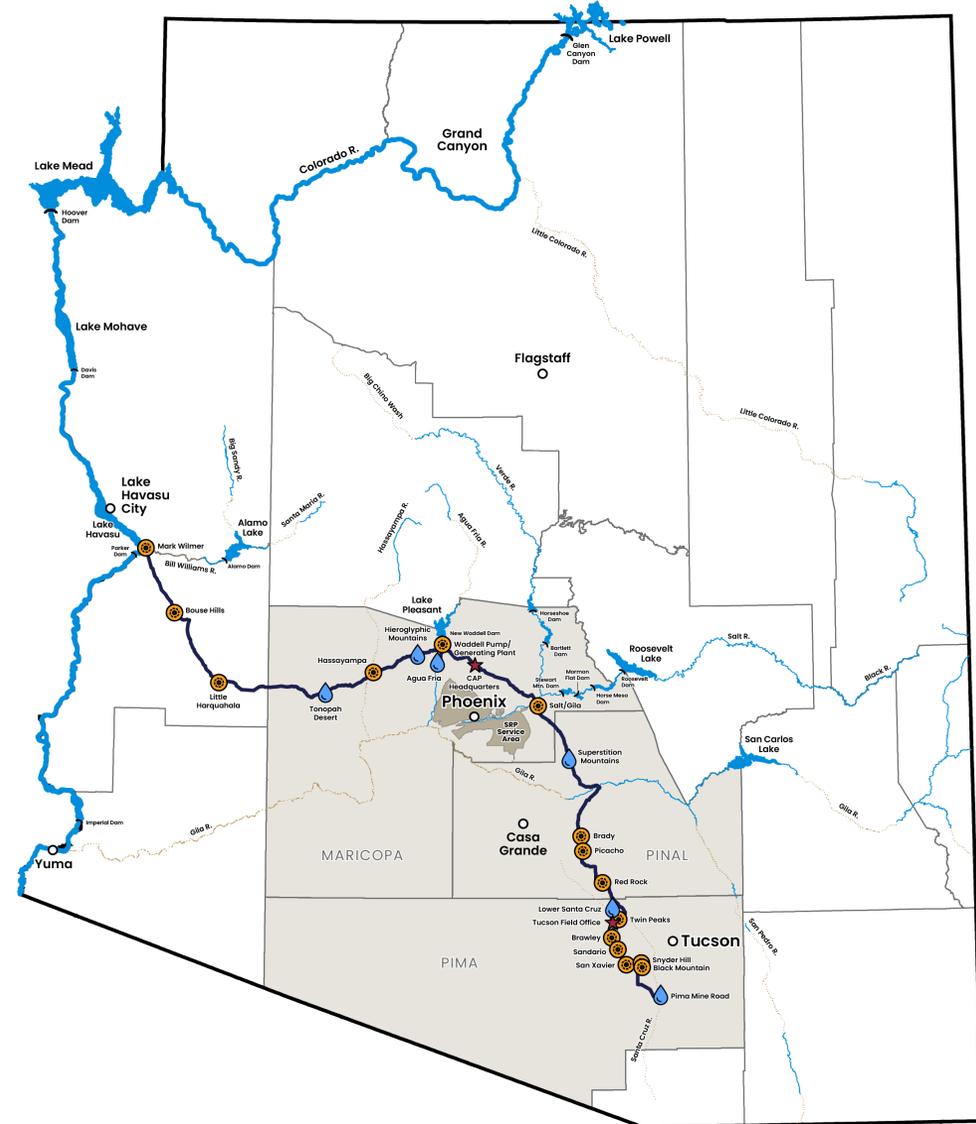
Central Arizona Project

336-mile aqueduct stretches from Lake Havasu to Tucson

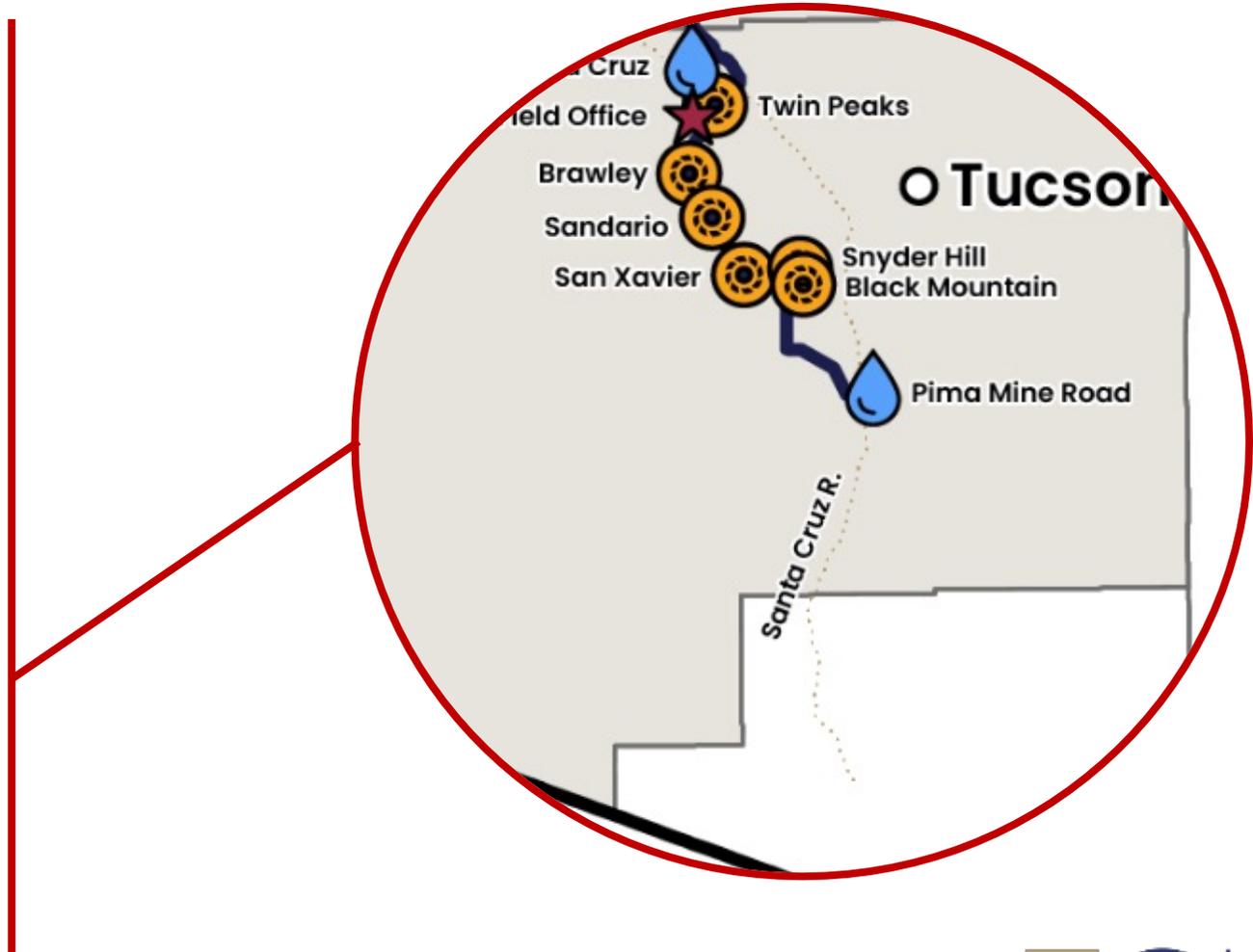
Deliveries began in 1985

Serves region where 80% of the state's population resides; nearly 6 million people

Supply allocated 46% to tribes and 54% municipal



Local Power Outages



Law of the River

1922 – Colorado River Compact

1928 – Boulder Canyon Project Act

1944 – Mexican Water Treaty

1948 – Upper Colorado River Basin Compact

1956 – Colorado River Storage Project Act

1964 – AZ v. CA US Supreme Court Decision

1968 – Colorado River Basin Project Act

1970 – Coordinated Long-Range Operation of Colorado River Reservoirs

1992 – Grand Canyon Protection Act

2004 – Arizona Water Settlements Act

2005 – Multi-Species Conservation Program

2007 – **Colorado River Interim Guidelines**

2017 – Minute 323 to the Mexican Water Treaty

2019 – **Drought Contingency Plan (DCP)**

2021 – 500+ Plan

2022 – Drought Response Operations Agreement (DROA)

Citations:

[CAP - https://www.cap-az.com/about/history-of-cap/law-of-the-river/](https://www.cap-az.com/about/history-of-cap/law-of-the-river/)

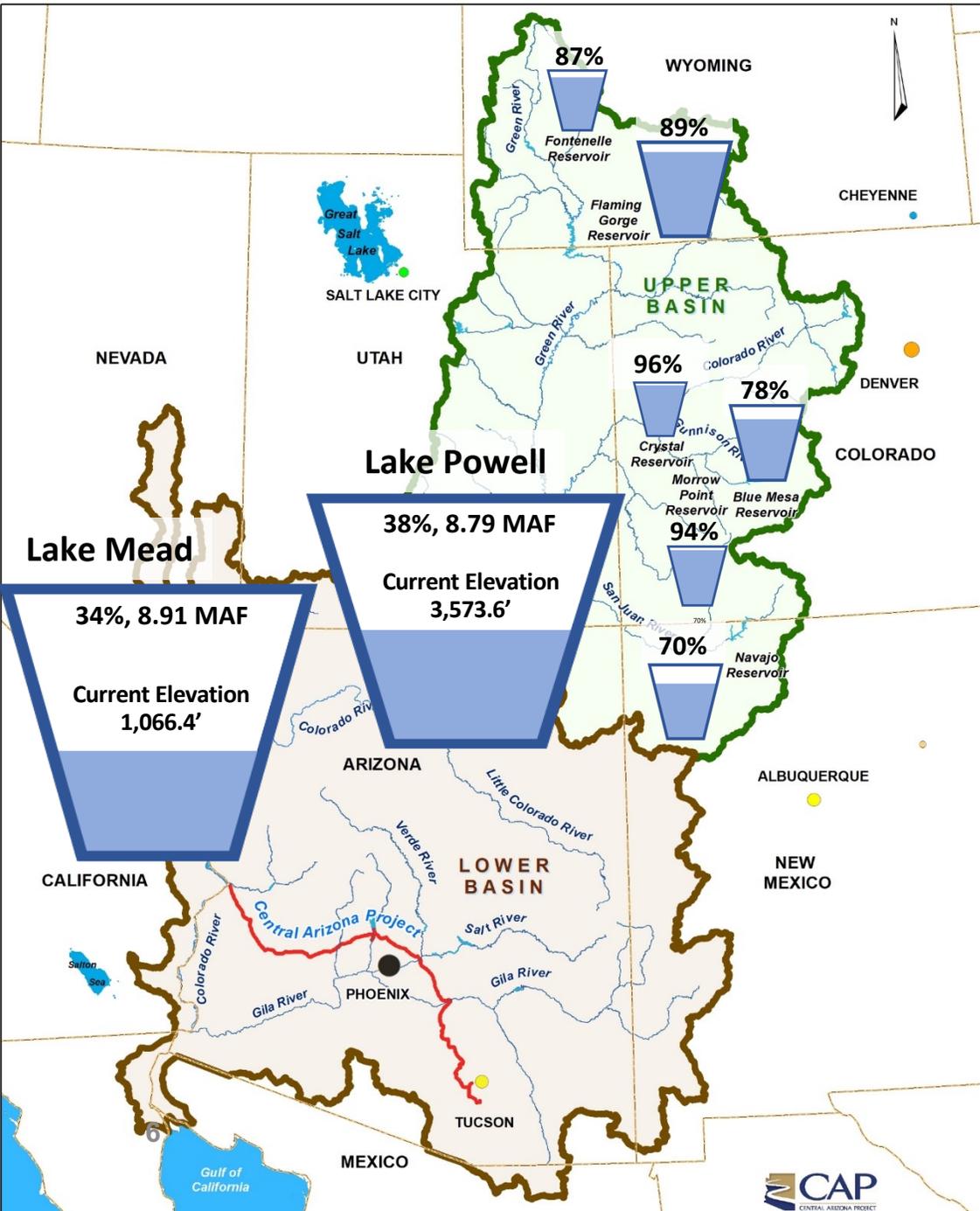
[Reclamation - https://www.usbr.gov/lc/region/pao/lawofrvr.html](https://www.usbr.gov/lc/region/pao/lawofrvr.html)

Colorado River Water Supply Report

As of September 24th, 2023

System Contents: 25.42 MAF

Last Year System Contents: 19.67 MAF



YOUR WATER. YOUR FUTURE.

2007 Interim Guidelines, Minute 323, Lower Basin Drought Contingency Plan, and Binational Water Scarcity Contingency Plan

Total Volumes (kaf)

Lake Mead Elevation (feet msl)	2007 Interim Guidelines Shortages		Minute 323 Delivery Reductions	Total Combined Reductions	DCP Water Savings Contributions			Binational Water Scarcity Contingency Plan Savings	Combined Volumes by Country <i>US: (2007 Interim Guidelines Shortages + DCP Contributions)</i> <i>Mexico: (Minute 323 Delivery Reductions + Binational Water Scarcity Contingency Plan Savings)</i>					Total Combined Volumes
	AZ	NV	Mexico	<i>Lower Basin States + Mexico</i>	AZ	NV	CA	Mexico	AZ Total	NV Total	CA Total	<i>Lower Basin States Total</i>	<i>Mexico Total</i>	<i>Lower Basin States + Mexico</i>
1,090 - 1,075	0	0	0	0	192	8	0	41	192	8	0	200	41	241
1,075 - 1050	320	13	50	383	192	8	0	30	512	21	0	533	80	613
1,050 - 1,045	400	17	70	487	192	8	0	34	592	25	0	617	104	721
1,045 - 1,040	400	17	70	487	240	10	200	76	640	27	200	867	146	1,013
1,040 - 1,035	400	17	70	487	240	10	250	84	640	27	250	917	154	1,071
1,035 - 1,030	400	17	70	487	240	10	300	92	640	27	300	967	162	1,129
1,030 - 1,025	400	17	70	487	240	10	350	101	640	27	350	1,017	171	1,188
<1,025	480	20	125	625	240	10	350	150	720	30	350	1,100	275	1,375

2024 Reductions + Contributions



Tier 0

Tier 1

Tier 2a

Tier 2b

Tier 2c

Tier 2d

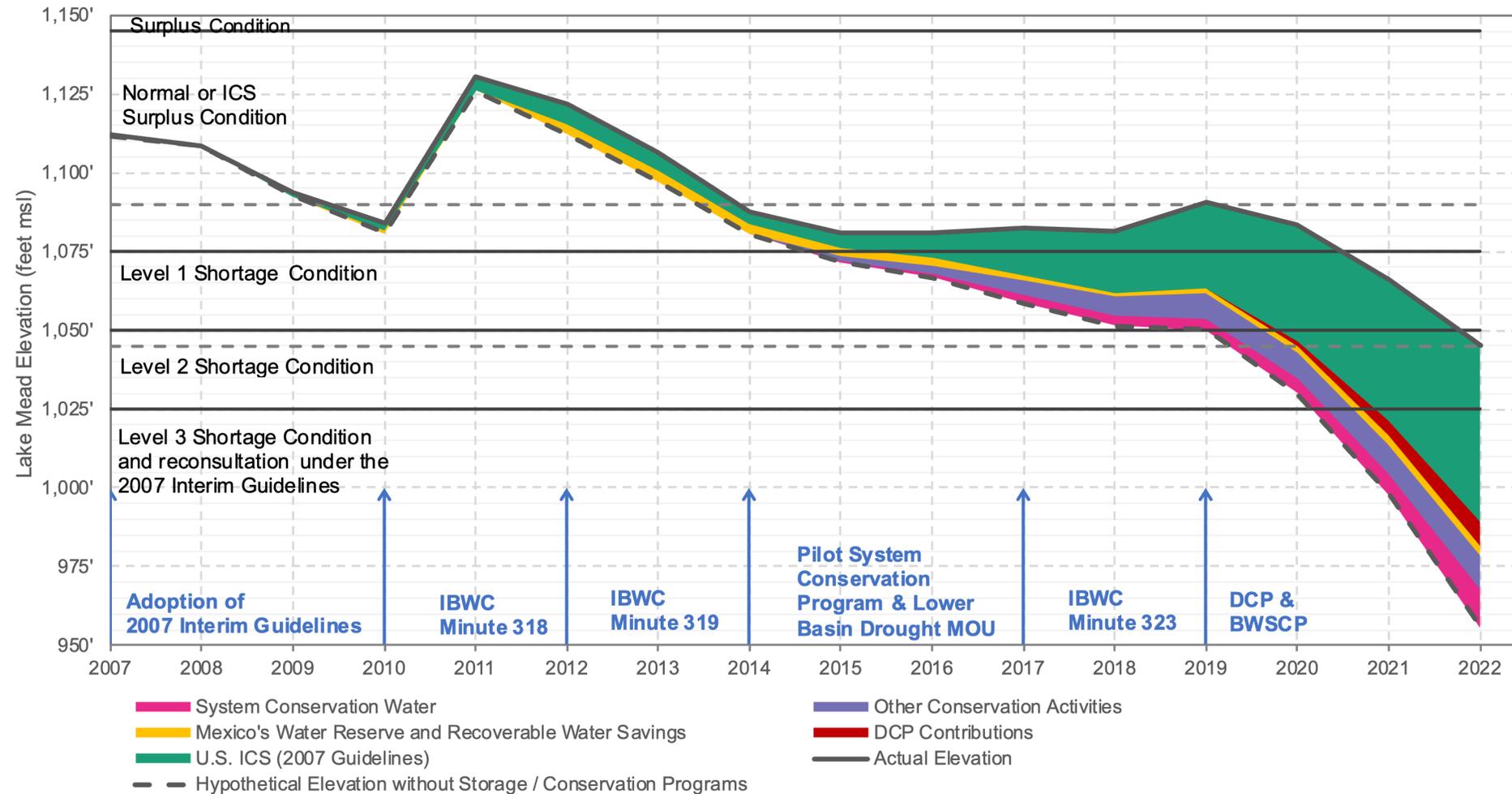
Tier 2e

Tier 3

Conservation Schedule Reductions

	2023 Conservation Agreement	2023 Schedule Reduction
Federal Funded CAP Subcontractor Conservation Agreements		
City of Glendale	7,000	7,000
City of Peoria	7,200	7,200
City of Phoenix	50,000	50,000
City of Scottsdale	7,000	7,000
Town of Gilbert	1,200	1,200
Metropolitan Domestic Water Improvement District	5,000	5,000
ASARCO LLC	14,000	14,000
City of Tucson	50,000	50,000
SUBTOTAL	141,400	141,400
Federal Funded Tribal CAP Contractor Conservation Agreements		
San Carlos Apache Tribe	23,275	23,275
Fort McDowell Yavapai Nation	13,933	13,933
Gila River Indian Community	125,000	91,319
SUBTOTAL	162,013	128,527
TOTAL	303,413	269,927

Lake Mead Storage and Conservation¹



¹End of calendar year 2022 balances of U.S. ICS and Mexico's Water Reserve, system conservation water, and other voluntary contributions to Lake Mead are based on projections from the December 2022 24-Month Study and are subject to change.

Probability of Reaching Critical Elevations in Any Month: August 2023 CRMMS Model Run

Lake Powell		WY 2024	WY 2025	WY 2026	WY 2027	WY 2028
Less than 3,525 feet	Apr-23	0%	0%	3%	3%	7%
	Aug-23	0%	7%	13%	13%	13%
Less than 3,490 feet (minimum power pool)	Apr-23	0%	0%	0%	0%	3%
	Aug-23	0%	0%	0%	0%	3%
Lake Mead		2024	2025	2026	2027	2028
Less than 1,020 feet	Apr-23	0%	0%	3%	7%	0%
	Aug-23	0%	0%	3%	10%	7%
Less than 1,000 feet	Apr-23	0%	0%	0%	0%	0%
	Aug-23	0%	0%	0%	0%	3%
Less than 950 feet (minimum power pool)	Apr-23	0%	0%	0%	0%	0%
	Aug-23	0%	0%	0%	0%	0%

Source: U.S. Bureau of Reclamation
Hydrology Period: 1991-2020

Interim Period (2023-2026)

- Draft Supplemental Environmental Impact Statement anticipated Oct 2023
- Lower Basin States Proposal (CA- 1.6 MAF, AZ-1.15 MAF, NV– 285 KAF)

	2023	2024	2025	3-year total
Arizona*				
CAWCD-ADWR ICS Preservation Program	41,776	-	-	41,776
Federal Funded				
CAP Subcontractor Conservation	141,400	129,600	128,600	399,600
Tribal CAP Contractor	127,013	158,933	158,933	444,879
On-River	34,986	34,986	34,986	104,958
Total Additional Conservation	345,175	323,519	322,519K	991,213

* Volumes are approximate and subject to change

Post-2026 Process

- Scoping letters were due August 15, 2023
- CAP emphasized certain concepts:
 - Balancing the Colorado River System
 - Compliance with Colorado River Compact
 - Implementing ICS or a similar storage mechanism
 - Review of Beneficial Use/Part 417
 - Augmentation and Exchanges
- Basin States anticipate working together to develop an alternative for Post-2026 EIS

What's Next?

