



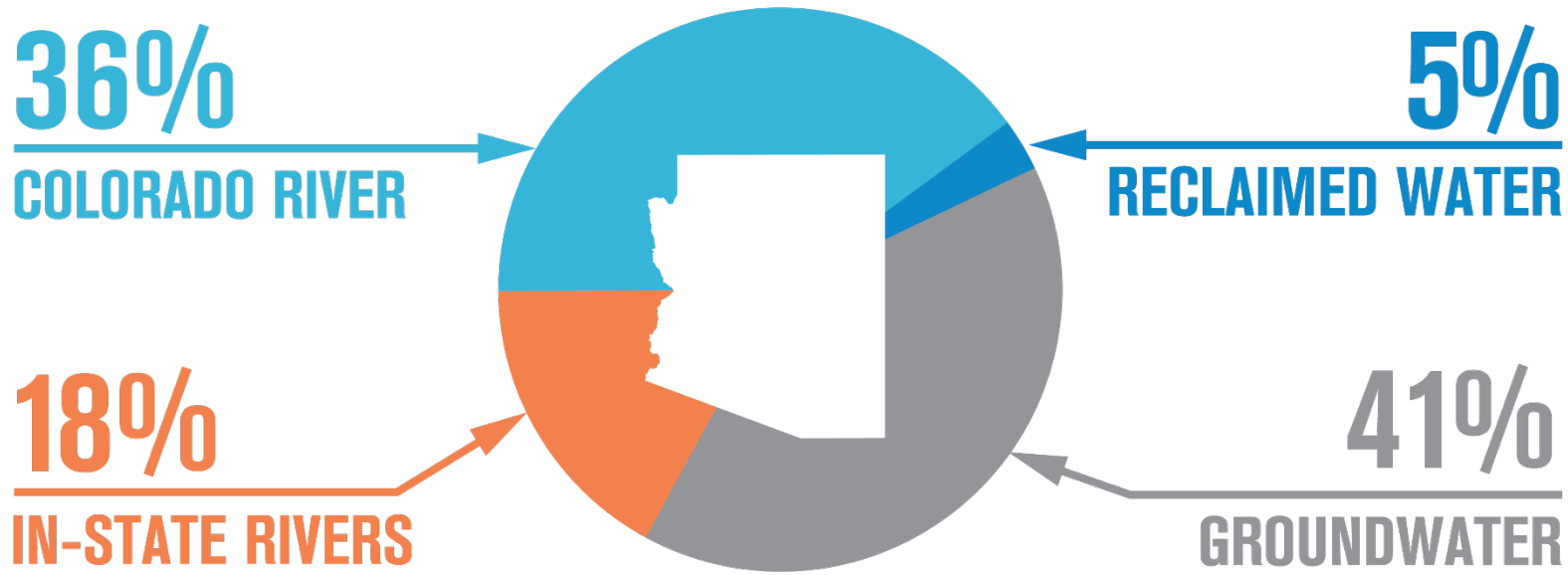
Managing Water at the Central Arizona Project 2024 MSSC Annual Salinity Summit

Don Crandall
Water Control Manager

February 29, 2024

YOUR WATER. YOUR FUTURE.

ARIZONA'S WATER SUPPLY



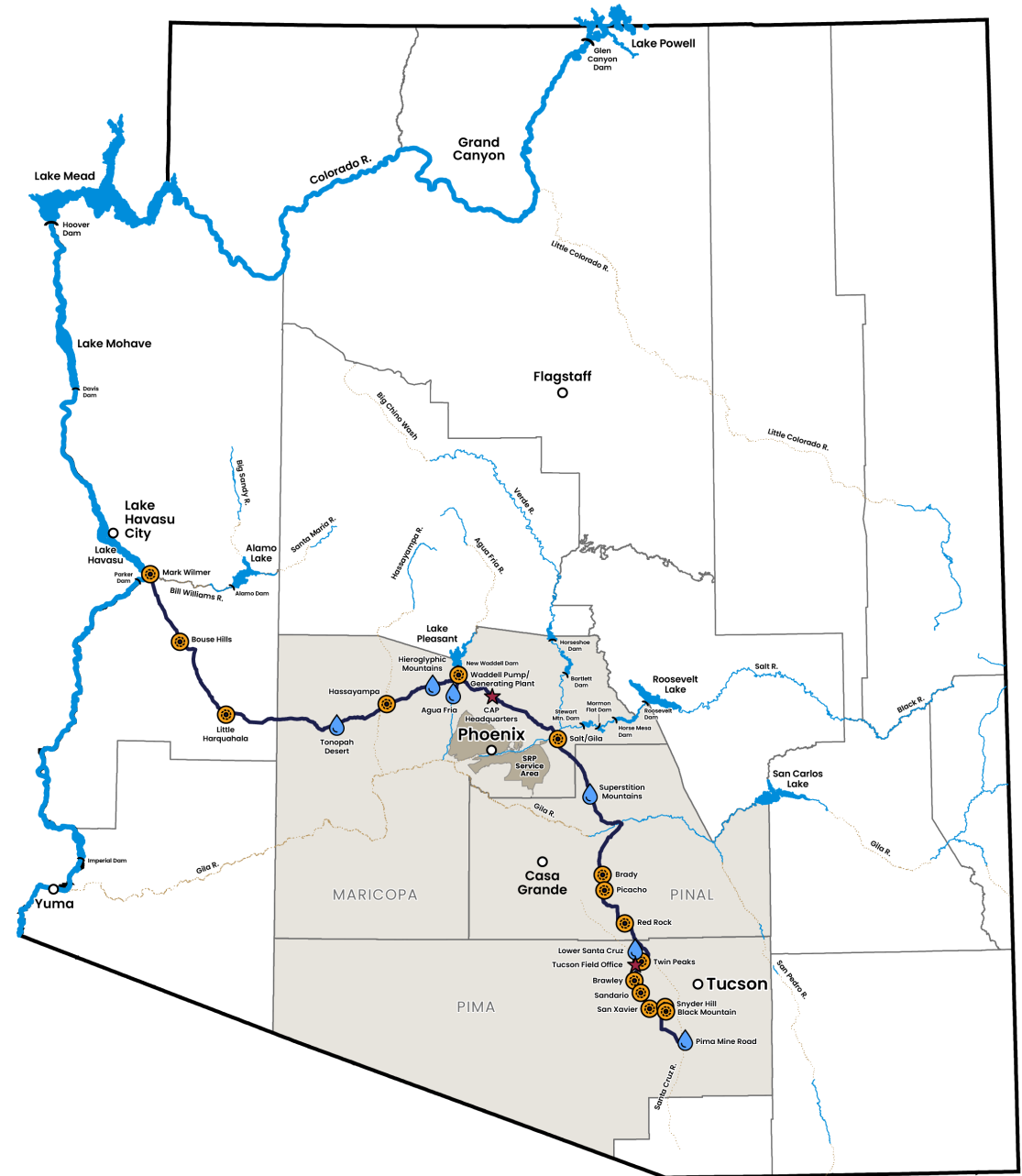
SOURCE: ADWR, 2020

Central Arizona Project

336-mile aqueduct stretches from Lake Havasu to Tucson

Serves region where 80% of the state's population resides; 6 million people and 12 tribes

Supply allocated 46% to tribes and 54% municipal



Colorado River Allocation

Upper Basin States: Colorado, New Mexico, Utah, and Wyoming

Lower Basin States: Arizona, California, and Nevada

7.5 million acre-feet (MAF) annual allocation of Colorado River water for the Upper Basin, 7.5 MAF for the Lower Basin and 1.5 MAF for Mexico

Lower Basin allocations

- AZ (2.8 MAF)
- CA (4.4 MAF)
- NV (0.3 MAF)

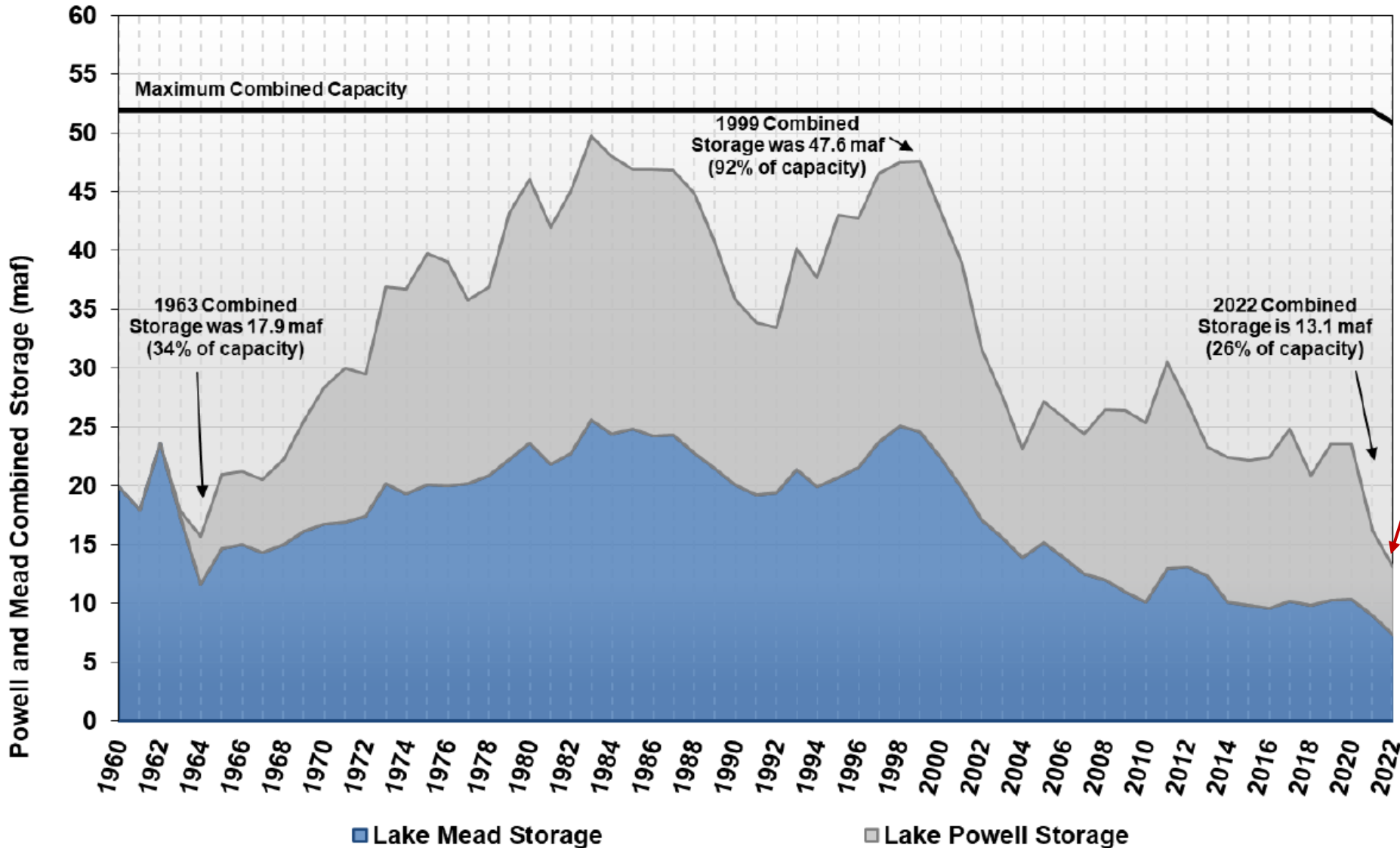


Colorado River Basin and Major Reservoirs



Lake Powell and Lake Mead End of Water Year Storage

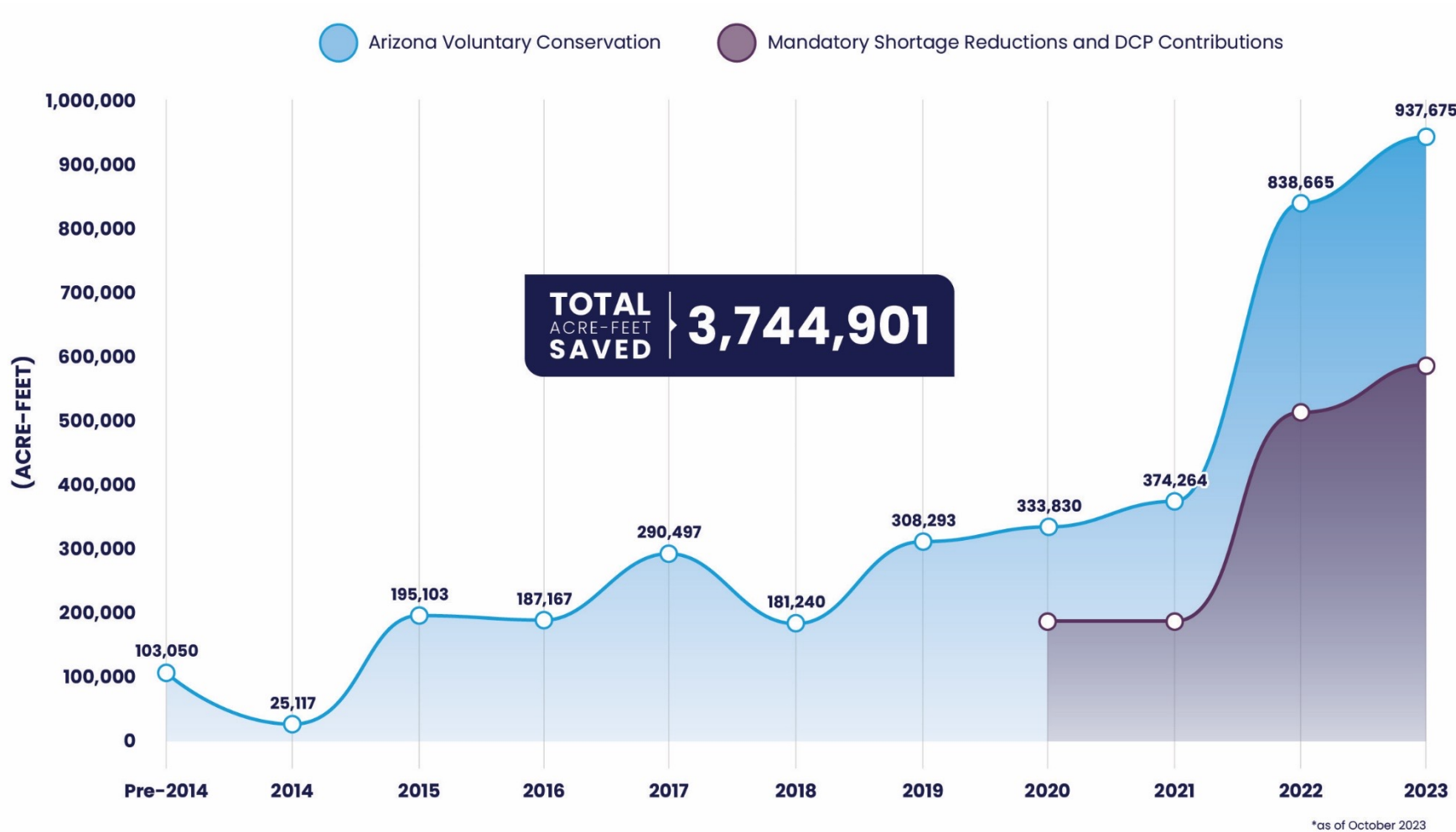
Water Years 1960 through 2022



Managing Water at the Central Arizona Project

- Lowest System Storage since initial filling
- Triggered calls for additional conservation and a supplemental EIS to modify operations

Large-scale conservation



- Under the SEIS, Lower Basin States have agreed to conserve 3 MAF of water in Lake Mead through 2026
- 2.3 MAF of conservation is funded by the Inflation Reduction Act



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Post-2026 Environmental Impact Statement

- The Guidelines that govern the operation of Lake Powell and Lake Mead expire at the end of 2026.
- NEPA process has commenced to develop post-2026 Operational Guidelines
 - To improve management of the Colorado River system
 - To provide greater degree of predictability with respect to the amount of annual water deliveries
 - Continued stability of the Colorado River System
- Basin States anticipate working together to develop an alternative for Post-2026 EIS

New Supplies and Water Quality

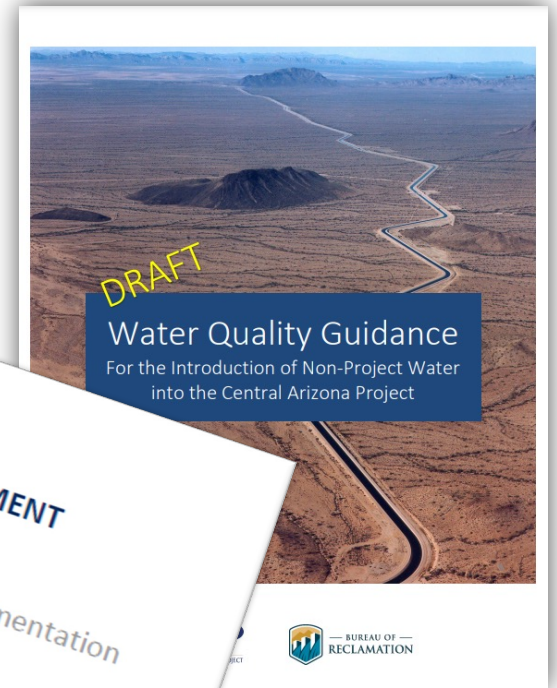
Wheeled Water (Non-Project Water)

New Supplies

Water Quality Guidance Document

Water Quality Modeling

NEPA



Consensus Proposal

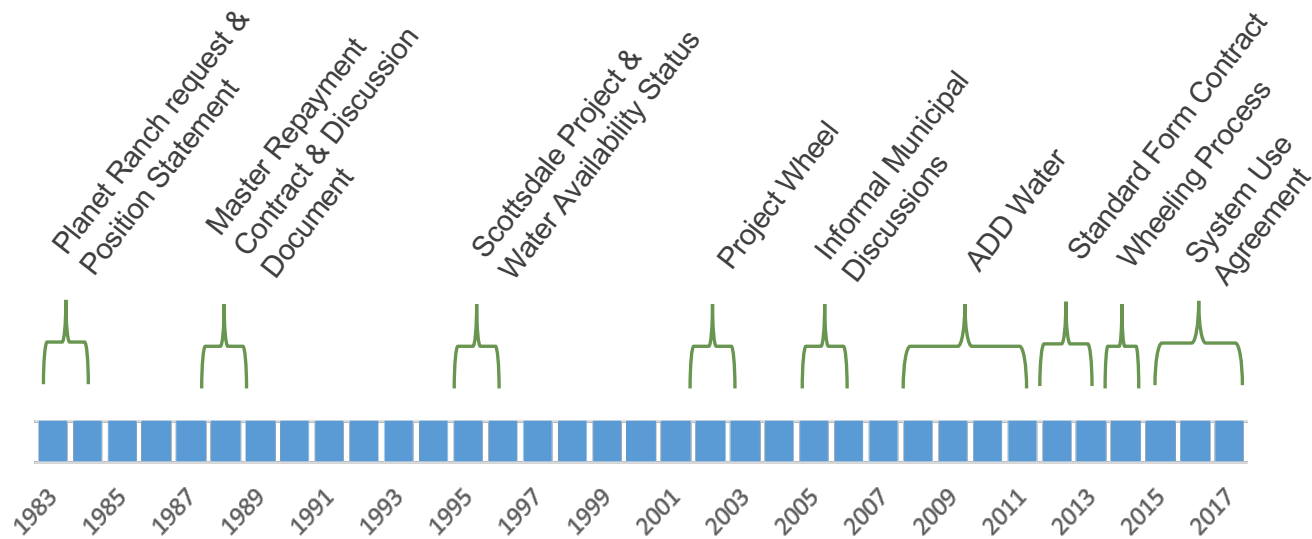
- The core element of the Consensus Proposal is the table of "Delivery Standards" developed by the Stakeholder Group last summer, and which has remained unchanged

Priority Constituents	Point of Delivery Standards
Arsenic ug/l	5
Fluoride mg/l	0.7
Nitrate mg/l	1
TDS mg/l	723
TOC mg/l	4
Turbidity NTU	5

Proposal Participants

CAP System Use Agreement

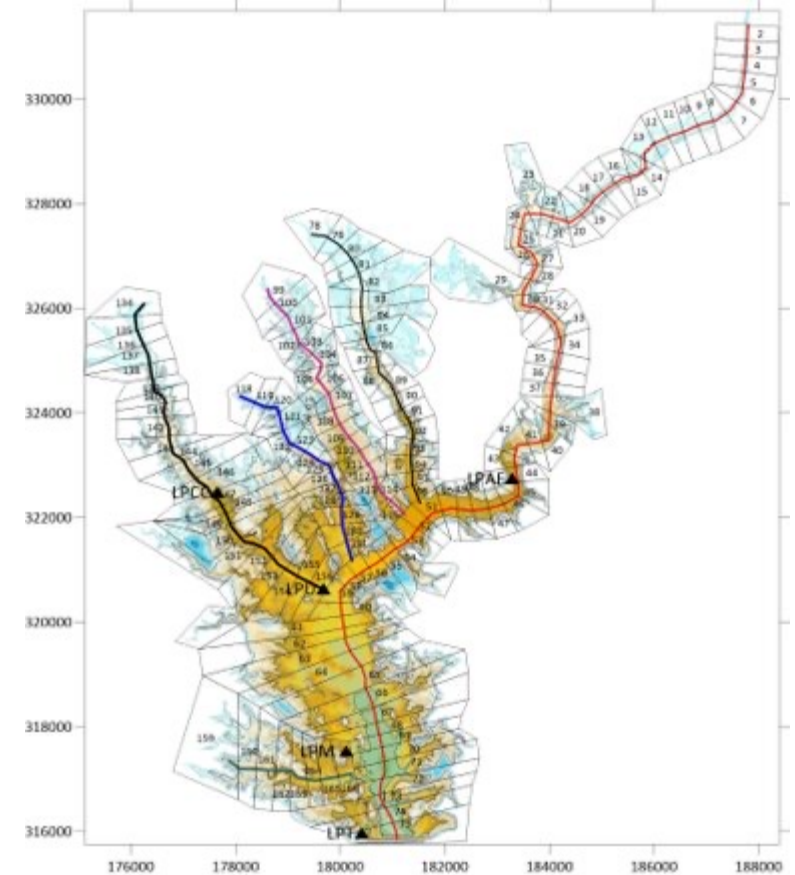
The SUA is the culmination of efforts over decades, and it addresses **wheeling, firming, and exchanges**



SUA signing, February 2017

New Supplies and Water Quality

- Water Quality Modeling
 - Develop System-wide model capability of simulating the individual and cumulative water quality effects of introducing Non-Project Water in the CAP System.
 - Model should demonstrate compliance with the Delivery Standards (Appendix A, WQGD)



New Supplies and Water Quality

- Imported Ground Water
- Surface Water
- Colorado River Transfers



05/23/2023 Water Committee Presentation, C.McJunkin



DRAFT Environmental Assessment

GSC Farm – Queen Creek Water Transfer Project, Arizona
Interior Region 8: Lower Colorado Basin



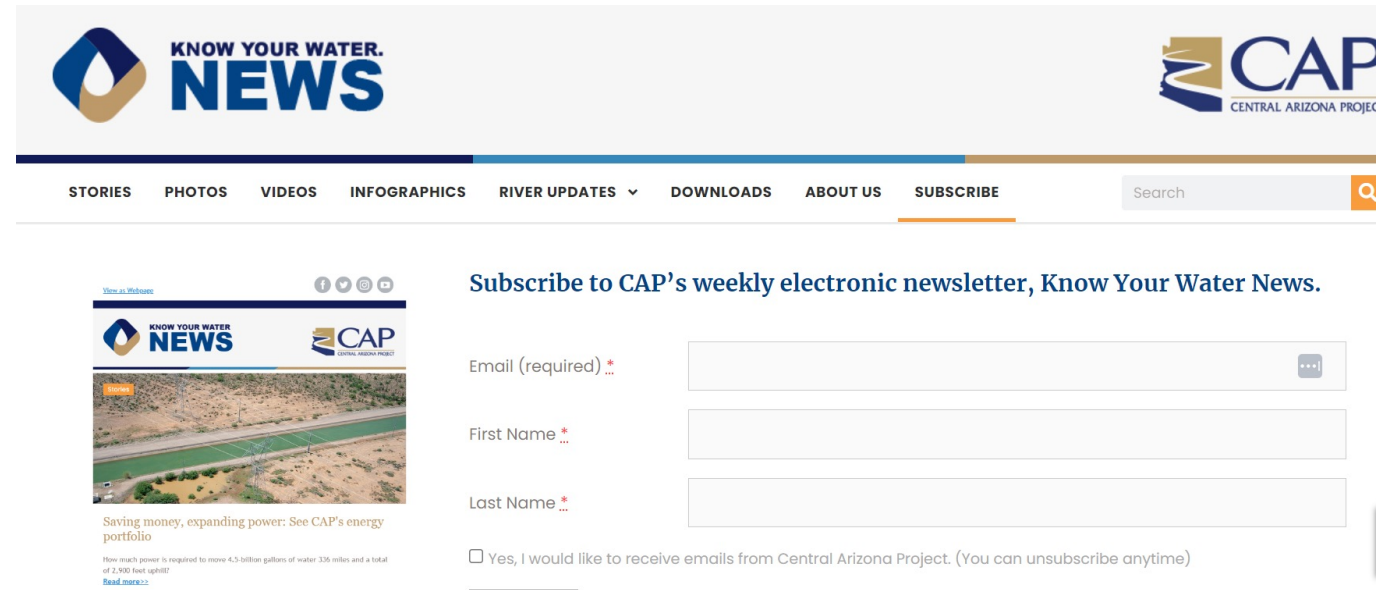
U.S. Department of the Interior
Bureau of Reclamation
Interior Region 8: Lower Colorado Basin
Phoenix Area Office
Glendale, Arizona

March 2022

Resources

CAP's news site –
KnowYourWaterNews.com

CAP's main website—
CentralArizonaProject.com
(Search CAP University for
information on our next sessions!)



The screenshot shows the top portion of the 'Know Your Water News' website. The header features the 'KNOW YOUR WATER NEWS' logo on the left and the 'CAP CENTRAL ARIZONA PROJECT' logo on the right. Below the header is a navigation menu with links for STORIES, PHOTOS, VIDEOS, INFOGRAPHICS, RIVER UPDATES (with a dropdown arrow), DOWNLOADS, ABOUT US, and SUBSCRIBE. A search bar is located on the right side of the navigation menu. Below the navigation menu, there is a featured article preview with a photo of a canal and the headline 'Saving money, expanding power: See CAP's energy portfolio'. To the right of the article preview is a subscription form titled 'Subscribe to CAP's weekly electronic newsletter, Know Your Water News.' The form includes input fields for 'Email (required) *', 'First Name *', and 'Last Name *', and a checkbox for 'Yes, I would like to receive emails from Central Arizona Project. (You can unsubscribe anytime)'.



Thank You!

Don Crandall, Water Control Manager, MSSC
Annual Salinity Conference, February 24,
2024

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