

Agenda Item 3.c **Report from the Central Arizona Water Conservation District** Ken Seasholes Manager, Resource Planning & Analysis Arizona Water Banking Authority Quarterly Meeting June 29, 2022

YOUR WATER. YOUR FUTURE

Arizona Lake Mead Contribution Volumes DCP Implementation & Related Actions		ICS ¹	2019 ² (ac-ft)	2020 ³ Tier 0 (ac-ft)	2021 Tier 0 (ac-ft)	2022 ^{4,5} Tier 1 (ac-ft)	
Arizona LBDCP (Tier 0 and 1: 192k ac-ft)	CAWCD EC ICS Creation CAWCD Compensated Conservation CAWCD DCP ICS Creation CAWCD Reductions ⁸	ec ics ec ics dcp ics	24,283	44,310 ⁶ 3,124 ^{6,7} 133,174	48,296 155,096	103,165 88,835	
	LBDCP Total		144,225	180,608	203,392	192,000	
CAWCD Voluntary Conservation	CAWCD EC ICS Creation CAWCD Sub-Contractor Conservation	EC ICS			6,147	35,486	
	CAWCD Total				209,539	227,486	
Arizona DCP	GRIC - Reclamation GRIC - AWBA	EC ICS EC ICS	100,000 17,000	33,000			
Mitigation Offset (400k ac-ft total)	GRIC CRIT System Conservation Offset Total	EC ICS	117,000	50,000 50,000 133,000	40,000 50,000 90,000	50,000 50,000	
Reclamation DCP	FMYN System Conservation MVIDD System Conservation GRIC System Conservation CRIT System Conservation 242 Wellfield Expansion Reclamation Total		0	10,000 6,137 16,137	13,933 6,925 40,000 4,685 8,813 74,356	13,933 50,937 4,685 25,000 94,555	
Additional Arizona ICS and System Conservation	CRIT GRIC ⁹ MVIDD System Conservation	EC ICS EC ICS	6,274	3,736		78,565 9,592	
Creation	Additional ICS Total		6,274	3,736	0	88,157	
Pilot System Conservation Program (PSCP)	Bullhead City CRIT FMYN		306 26,805 13,683	349	369	500	
	PSCP Total		40,794	349	369	500	
Total Arizona Lak	e Mead Contributions		308,293	333,830	374,264	460,698	
Programs that are part of the 500+ Plan							

Notes:

¹ ICS Volumes reflect creation volumes contributed to Lake Mead and do not reflect account balances after losses and assessments.

² 2019 reflects proactive actions prior to DCP execution and full implementation in 2020.

³ 2020 reflects the first full year of DCP implementation of Lake Mead contributions and related actions.

⁴ Values reflect estimated volumes, subject to final accounting.

 ⁵ Includes pending and projected projects and subject to creation and accumulation limits.
⁶ Actual Jan. 1 Lake Mead elevation was above

1,090'; therefore this ICS will remain as EC ICS (LBOps III.E.3).

⁷ 3,500 AF was conserved per the agreement between CAWCD and MDWID; per history of use provisions in ICS Exhibit R, 3,124 AF counts as ICS creation.

⁸ Volume will vary based on available Colorado River water, on-river use forecast, and CAP operations.

⁹ GRIC to fully utilize the Arizona ICS Accumulation Capacity in 2022.

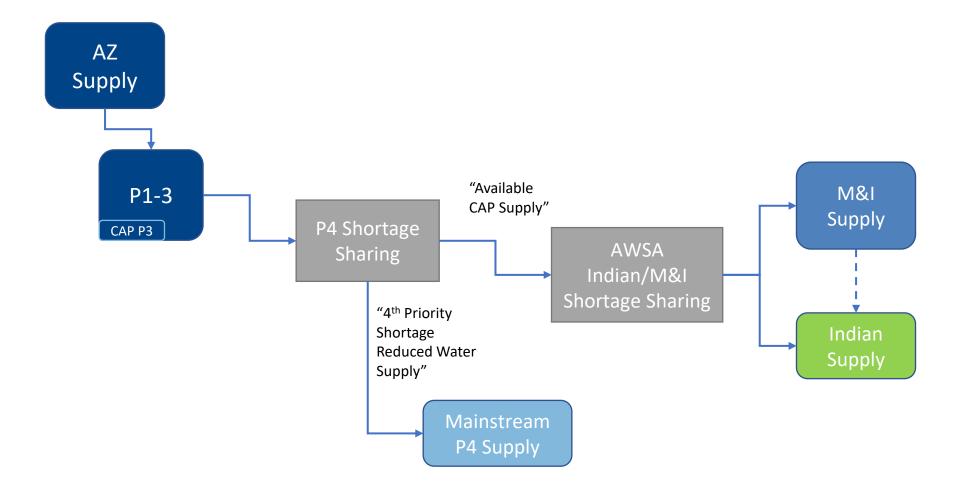


Estimated 2023 Shortage Impacts 2007 Guideline Reductions and LBDCP Mandatory Contributions

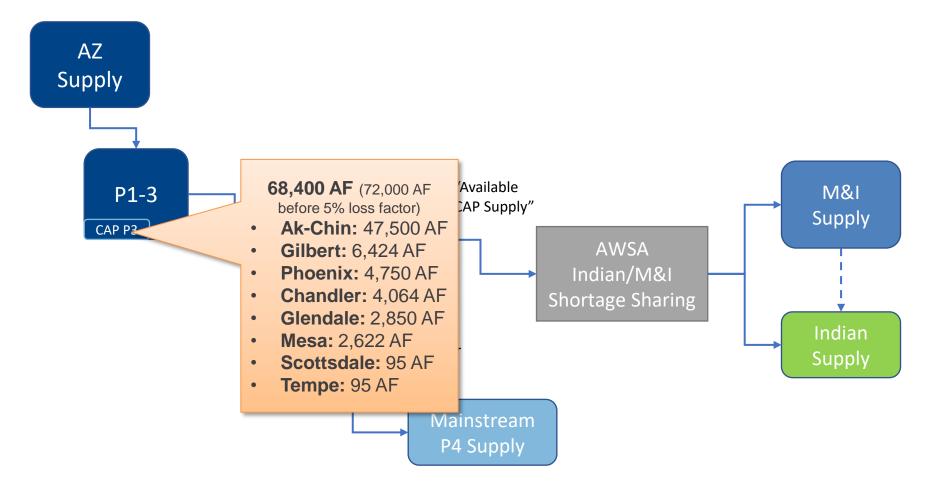
- Current official projections still indicate the likelihood of Tier 2a determination in 2023
 - 1050' <= Tier 2a > 1045'



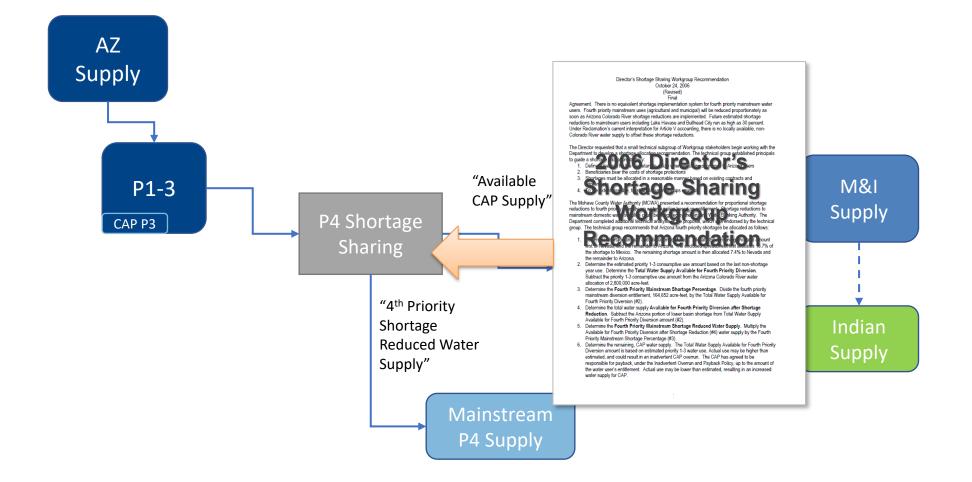




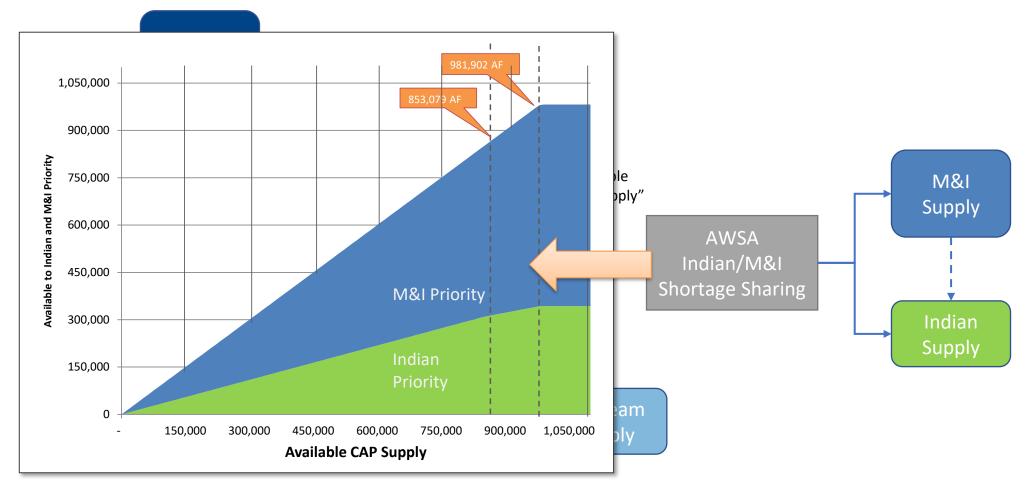






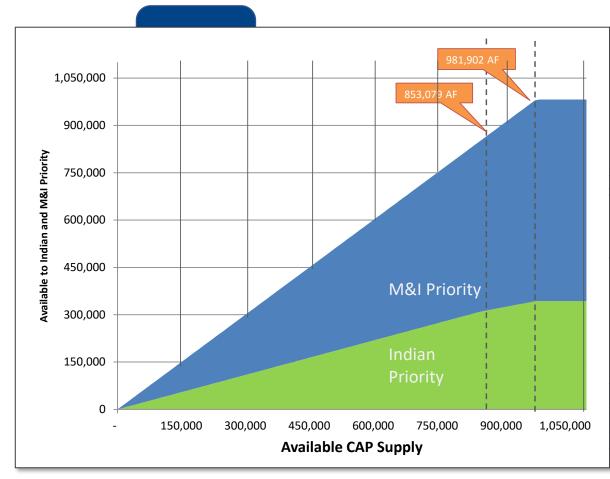








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Distribution of 4th Priority CAP Delivery Supply Based on AWSA Formula and Estimated 2023 Water Orders*

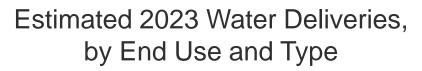
le	Delivery	Indian Priority		M&I Priority					
ply"	Supply [AF]	Pool Availability	Pool Size [AF]	Pool Availability	Pool Size [AF]				
	500,000	47%	157,000	45%	274,600				
	400,000	36%	120,600	35%	211,000				
	300,000	25%	84,200	24%	147,400				
	200,000	14%	47,900	14%	83,700				
am	100,000	4%	11,500	3%	20,100				
lv.		* For illustration nurnesses only							

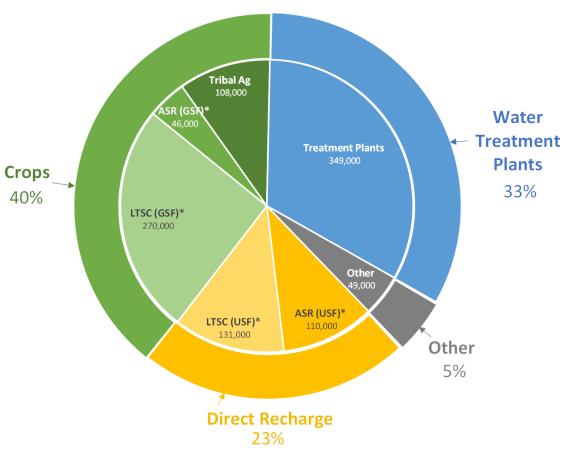
* For illustration purposes only.



CAP Water Use

- There is a diversity of end-uses: water treatment plants, annual storage & recovery, long-term storage credit accrual, mining, and some direct use by turf facilities and cooling towers
 - All uses are beneficial
 - All uses are compliant with contract and subcontract terms
- All users are impacted by shortage, though the specific impacts vary





*The split between Annual Storage & Recovery versus LTSC accrual is an estimate based on recent history and projections



Questions



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