

YOUR WATER. YOUR FUTURE.

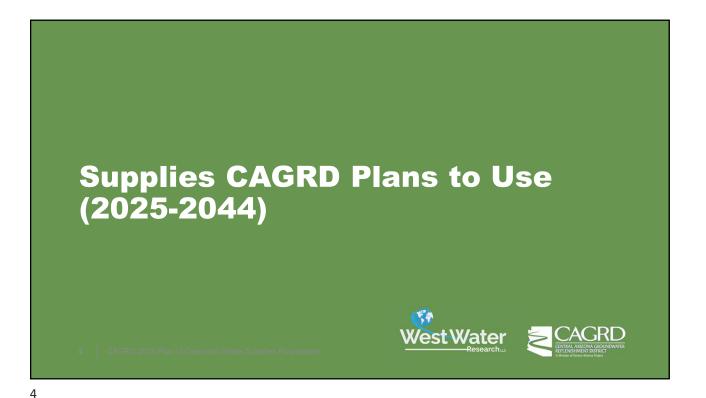


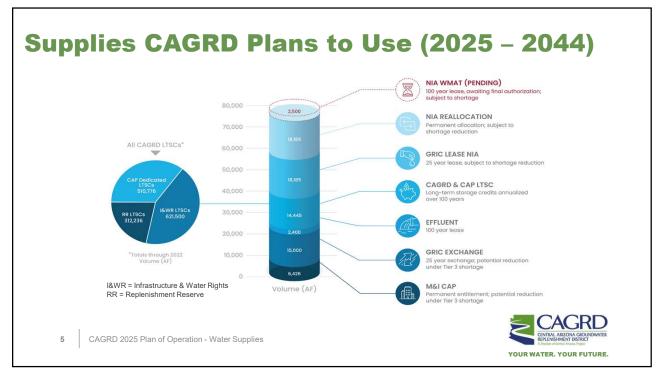
A.R.S. § 45-576.02.C.2 (c) - CAGRD Water Supply Plan:

A description of the water resources that CAGRD <u>plans to use</u> for replenishment purposes during the 20 years following submission of the Plan; and water resources <u>potentially available</u> to CAGRD for replenishment purposes during the subsequent 80 years.

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Supplies CAGRD Plans to Use (2025 - 2044)

Current CAGRD Water Supply Portfolio

Water Supply	Annual Volume (AF/YR)	First Year Availability	Term of Acquisition
CAP M&I	6,426	2006	Permanent contract ¹
CAP Tribal (GRIC Exchange)	15,000	2020	Leased through 20441
CAP NIA (White Mtn. Apache)	2,500	2027 ²	Annual Lease Volume ³
CAP NIA (Reallocation)	18,185	2022	Permanent contract ³
CAP NIA (GRIC Lease)	18,185	2020	Leased through 2044 ³
Long-Term Storage Credits	14,445 ⁴	2022	100 year
Effluent	2,400	2017	100-year lease
TOTAL	77,141		

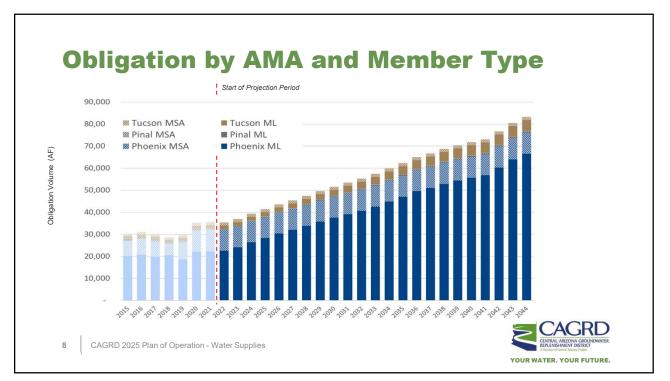
¹ Potential reductions under a T2b and/or T3 shortages

³ Subject to shortage reduction under T1 or greater ⁴ Total LTSCs annualized over 100 years; however, a volume greater than the 100-year amount could be used in a year if needed

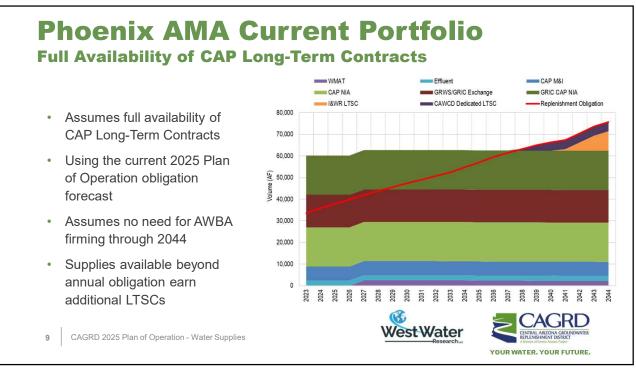
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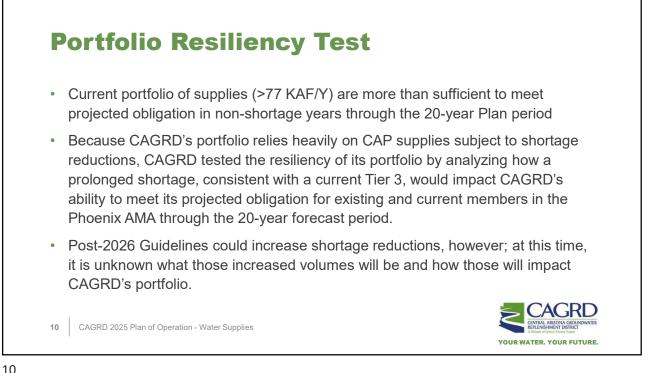
² Estimated availability; awaiting final authorization; subject to shortage reduction

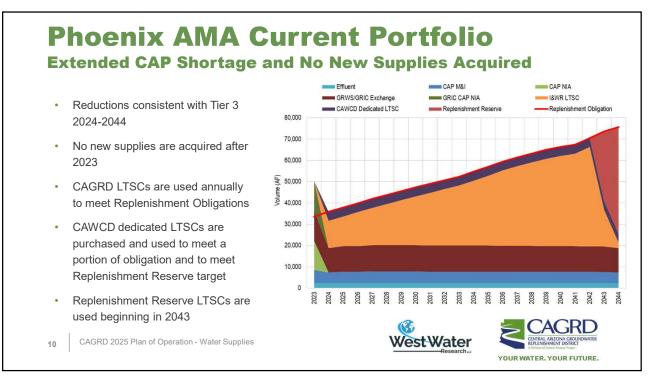
		20-Year Forecast	100-Year Forecast
		(AF/YR)	(AF/YR)
Member Lands	Currently Enrolled	56 KAF	63 KAF
	New Enrollment	15 KAF	13 KAF
Member Service Areas		12 KAF	15 KAF
TOTAL		83 KAF	91 KAF
CAGRD 2025 Plan of Operation - Water Sup	plies		



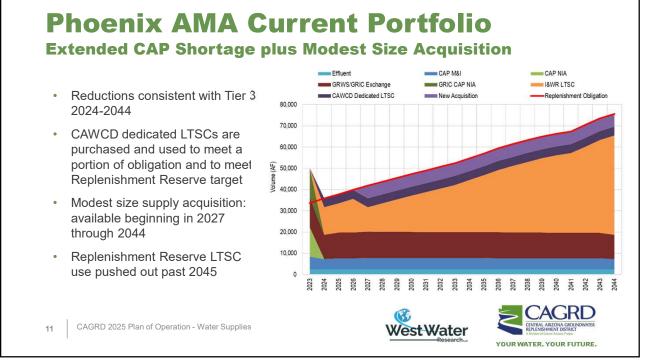
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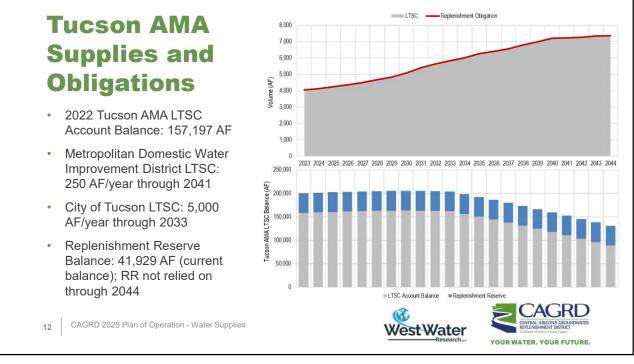


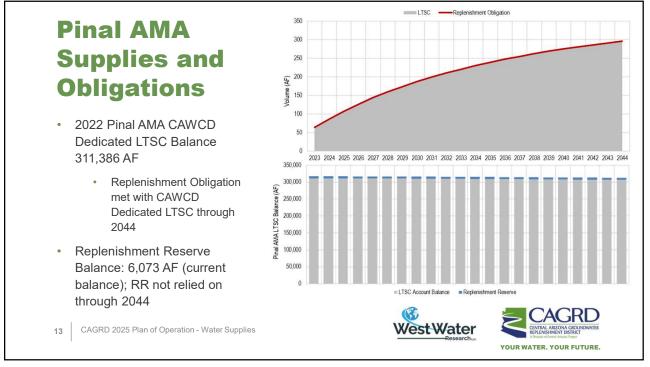






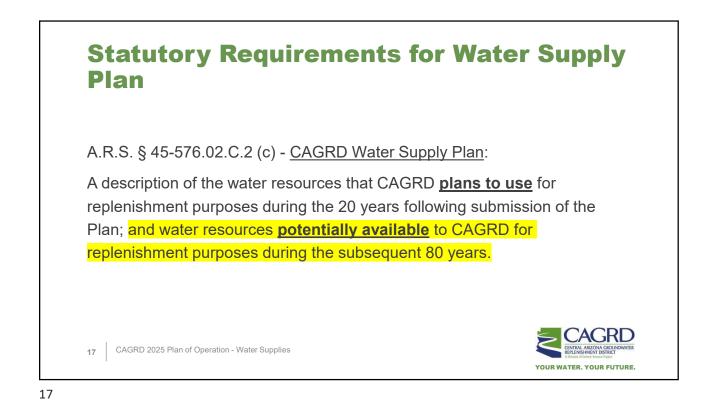












Potential Supply Evaluation

"With respect to the requirement that CAGRD identify supplies sufficient to meet its obligations for both current and potential members in the 100 years following submission of the Plan, CAGRD is entitled to rely upon not only supplies which are currently likely to be available for acquisition, but also supplies which *potentially* will be available for acquisition in the future." *ADWR Decision & Order approving the 2015 Plan of Operation*. (August 5, 2015)

"CAGRD is not required to provide an analysis in the Plan of who might be willing to sell (water supplies)..." *ADWR Decision & Order approving the 2015 Plan of Operation*. *(August 5, 2015)*



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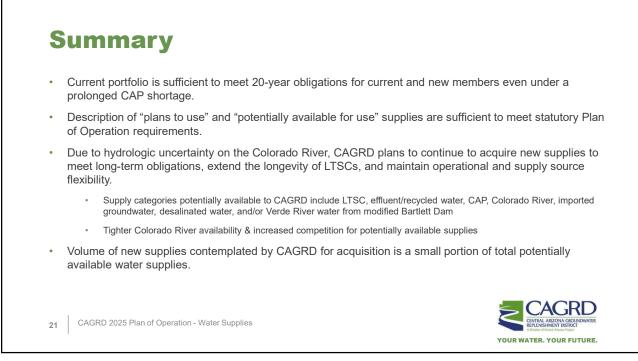
Potential Supply Evaluation Process WestWater Research is assisting CAGRD with planning and development activities related to the 2025 Plan of Operation. In particular, WestWater utilized its knowledge of water supplies in Central Arizona to identify and analyze long-term potentially available water resources for inclusion in the Plan. The process of identifying and evaluating the supplies included the following steps: Step 1 – Determine total existing volume within each described supply class (i.e., CAP, Effluent, LTSCs, etc.); Step 2 - Systematically remove those supplies that are clearly known to be unavailable (i.e., committed to a Designation or Certificate of assured water supply, contractually committed to another use, etc.); Step 3 – Apply professional knowledge of planned future uses of supplies and make planning • assumptions about reasonable future uses of remaining amounts; Step 4 - Summarize maximum volumes of each supply class that could potentially be available for acquisition in some manner (high estimate of volume potentially available) and reduce that volume by a reasonable percentage or assumption to produce a range of potentially available supply. West Water

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Potentially Available Supplies (2045 – 2124)

Supply Category	Supply Location	Potentially Available Low (AF/YR/100 YRS)	Potentially Available High (AF/YR/100 YRS)
Long-Term Storage Credits	Phoenix AMA, Pinal AMA, Tucson AMA	14,196	49,667
Effluent	Phoenix AMA, Pinal AMA, Tucson AMA	43,238	131,024
Central Arizona Project	Phoenix AMA, Pinal AMA, Tucson AMA	144,750	289,499
Colorado River	Arizona Entitlements Excluding CAP Supplies	99,742	199,484
Imported Groundwater	Harquahala, Butler, McMullen Valleys	78,537	157,074
Desalinated Water	In-State, Binational Study	30,000	100,000
New Verde River Supply	Phoenix AMA	0	12,850
Subtotal		410,463	939,598
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Long-Term Storage Credits (LTSCs)

• Total Current Supply: 135,817 AF/YR

- LTSC Balance for all Accounts Holders in the Phoenix, Pinal and Tucson AMAs (through 2021)
- High Volume Assumptions:
 - Not owned by CAWCD, CAGRD, AWBA
 - Not pledged to Assured Water Supply
 - Not under contract to be sold
- Low Volume Assumptions:
 - 50% reduction to High
 - Not owned by CAP M&I subcontractors
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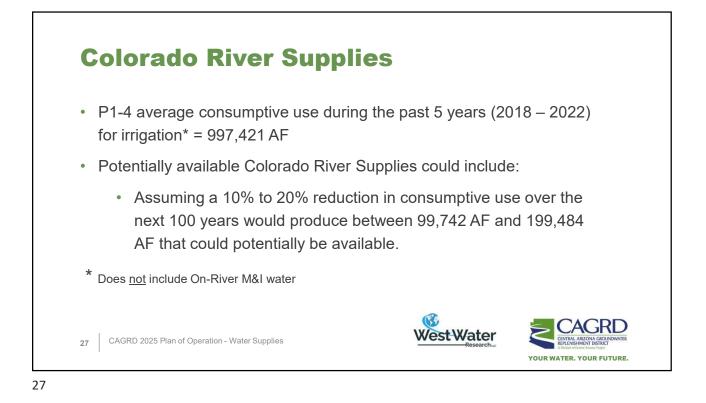
Tota	al Current Supply: 407,748 AF/YR	Potent	ially Available Supply	(2045-2124)
	 Total annual effluent production including reuse, recharge, and discharge by AMA: 	AMA	Low Volume (AF/YR)	High Volume (AF/YR)
	 Phoenix: 334,686 AF Pinal: 11,479 AF 	Phoenix	34,502	104,551
Hig	 Tucson: 61,583 AF h Volume Assumptions: 	Pinal	1,989	6,026
	 Currently discharged/unused effluent, escalated based on the State's population 	Tucson	6,805	20,620
growth projections for each county Low Volume Assumptions: 	growth projections for each county v Volume Assumptions:	All AMAs	43,295	131,197

Potentially Available Supply (2045-2124)

AMA	Low Volume (AF/YR)	High Volume (AF/YR)
Phoenix	7,595	30,798
Pinal	4,429	9,549
Tucson	2,172	9,320
All AMAs	14,196	49,667
		CAGGRD CINTEL ARZONA GOUNDWATE RELEASE RELEASE AND A DESCRIPTION TOUR WATER. YOUR FUTURE.



Total Current Entitlements: 1,295,935 AF/YR _	Potentially Available Supplies (2045-2124)		
 Entitlements total allocated CAP Indian (includes P3) – 429,624 AF 	Priority	Low Volume (AF/YR)	High Volume (AF/YR)
 M&I – 620,678 AF NIA – 245,633 	Indian	44,467	88,934
Potentially available CAP supplies could include:	NIA	100,283	200,565
 Indian priority and CAP NIA supplies as described on previous slide 	Total	144,750	289,499
Low Volume Assumptions:			
• 50% reduction to High		Ø	
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Imported Groundwater Total Current Supply: 168,000 AF/YR for 100 years Potentially Available Supply (2045-2124) Total Current Total estimated current supply available Low Volume High Volume Source Supply (AF/YR) from "outside AMA" groundwater basin (AF/YR) (AF/YR) Authorized by Arizona Revised Statute to Butler 32.500 65,000 65,000 transport groundwater supplies into the Phoenix, Pinal, and Tucson AMAs McMullen 38,000 19,000 38,000 High Volume Assumptions: Harquahala Valley 65,000 54,074 27,037 Water Project Subtract Harquahala Valley Water Project • volumes sold to Queen Creek and Buckeye **All Sources** 168,000 78,537 157,074 Low Volume Assumptions: 50% reduction to High • West Water CAGRD 2025 Plan of Operation - Water Supplies 28 YOUR WATER, YOUR FUTURE.

