



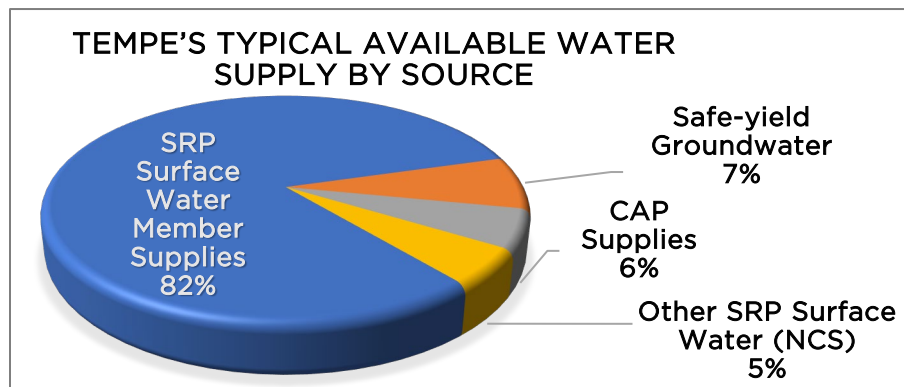
## Drought Resiliency and Preparedness Update – Colorado River Shortage Awareness, 500+ Plan and Tempe’s Drought Preparedness Plan

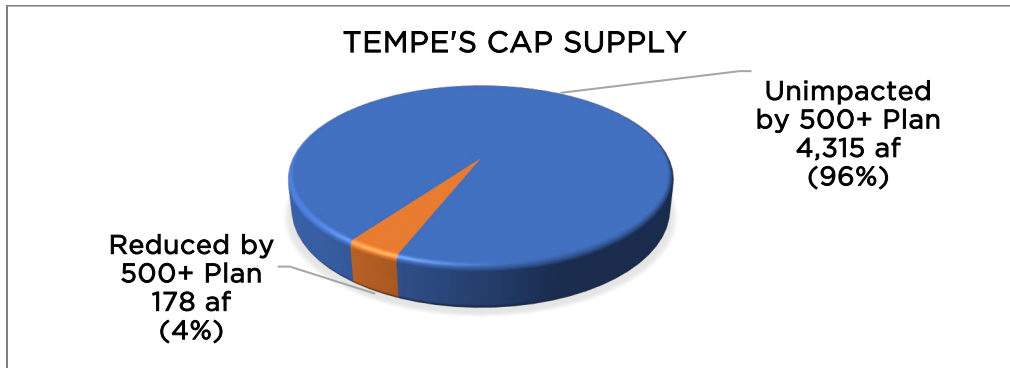
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The Colorado River watershed has been experiencing an on-going drought for more than 20 years. On January 1, 2022, the Colorado River was officially declared to be in Drought Contingency Plan (DCP) Tier 1 shortage by the federal government. The DCP prescribes shortages to Colorado River water users like Tempe when surface elevations in Lake Mead are forecasted to drop below certain levels. Water agencies across Arizona, California and Nevada, together with the U.S. Department of the Interior recently announced a plan to invest up to \$200 million in projects over the next two years to keep the Colorado River’s largest reservoir, Lake Mead, from dropping to critically low levels.

An agreement known as the 500+ Plan was developed to add an additional 500,000 acre-feet (af) of water to Lake Mead through 2026. The plan involves Colorado River users reducing their water usage before it is required by federally mandated reductions associated with DCP. It also sets fundraising goals for money that would be used to pay farmers, tribes and water agencies to reduce their water use. According to the 500+ Plan, the Lower Colorado River Basin States of Arizona and California, together with the federal government, will take less water from the Colorado River each year as a contingency effort to stop Lake Mead from dropping to critically low levels.

Tempe’s participation in the 500+ Plan involves foregoing delivery of 178 af of available Colorado River water in 2022. Creating this Lake Mead conservation in 2022 will result in a reduced water supply to Tempe of 0.16 million gallons per day (MGD) or approximately four percent of Tempe’s annual Central Arizona Project (CAP) supply. Tempe is fortunate to have numerous sources of water available to meet the demands of the water service area and can utilize some of these sources interchangeably to temporarily make up for water that will be conserved in Lake Mead in 2022.





Tempe's Drought Preparedness Plan (DPP) contains tools the water utility can use to manage demands when water shortages are predicted or occurring. For each of Tempe's supplies, shortage indicators and triggers are identified in the DPP that reflect a point at which drought conditions are anticipated to stress supplies and potentially lead to shortages.

Tempe Supplies, Shortage Indicators and Triggers and Estimated Impact to Utility Production

Shortage Management Stage	SRP Trigger	CAP Trigger	Groundwater Trigger	Long-term Storage Credit (LTSC) Trigger	Impact on Utility Production*
Watch	Drought of concern on SRP/CAP watersheds	DCP Tier 0	Monitor and trend static groundwater levels from wells	Annual LTSC Utilization is greater than Recharge	0
Alert	Allocation reduced by less than 10 percent	DCP Tier 1	Static groundwater trends indicated downward trend	<72,000 acre-foot LTSC balance	Up to 3.5
Advisory	Allocation reduced by greater than 10 percent	DCP Tier 2	Static groundwater levels drop to within 50 feet of pump intakes at wells	<60,000 acre-foot LTSC balance	<4 to 8.2
Emergency	Allocation reduced by 20 percent or greater	DCP Tier 3	n/a	n/a	8.3 or greater

\*Note: Potential surface water supply reduction in millions of gallons per day

Tempe's DPP is flexible and intended to be implemented to meet the specific needs of a unique supply-related concern. Participation in the 500+ Plan is a situation that requires a unique response. Tempe's contribution to the 500+ Plan, although relatively small in magnitude compared to Tempe's total water supplies available, represents a shortage.

Tempe's DPP also contains additional demand management strategies and responses designed as a suite of strategies that can be implemented to meet the needs of each unique situation, and applied across many customer types, to ensure Tempe maintains the ability to provide water for as much demand as possible, regardless of the magnitude of a shortage or future supply challenge. As the shortage on the Colorado River continues to evolve, Tempe will continue to adapt. Municipal Utilities will provide additional information on the 500+ Plan and additional actions associated with DCP as it becomes available.