

Colorado River Shortage



Agenda

1. Brief history on AZ drought and water supply
2. CO DCP and Tier 1
3. (Your company name) role
4. Questions



Anticipating Tier 1 Shortage on the Colorado River in 2022

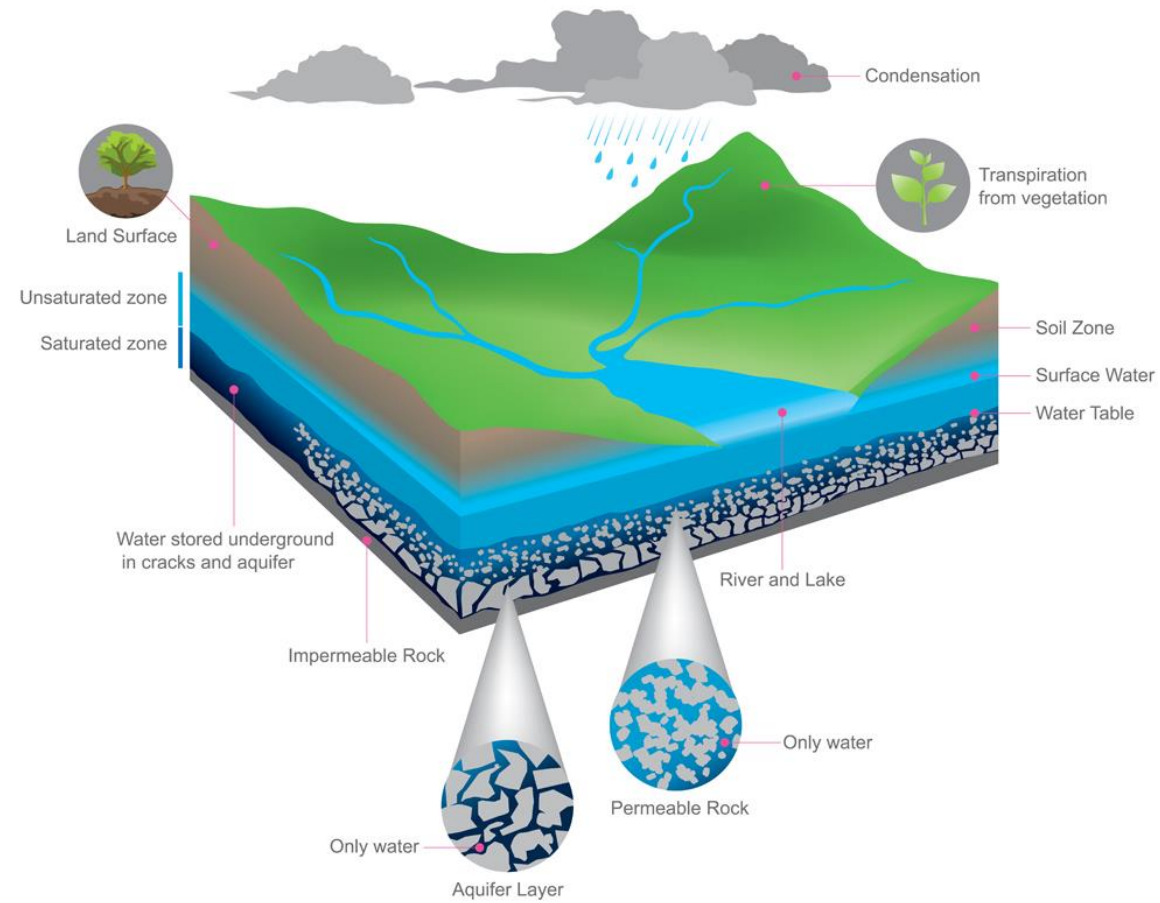
Our purpose is sustaining energy and water for life.

- (your company name) will not be impacted now, but this will impact our future
- Customers will have questions
 - Are we going to run out of water?
 - Will my water be restricted?
 - What is the city/utility doing to prepare?
 - What can I do?
 - What should I do?
 - What does this mean to me?

COLORADO RIVER IN THE NEWS

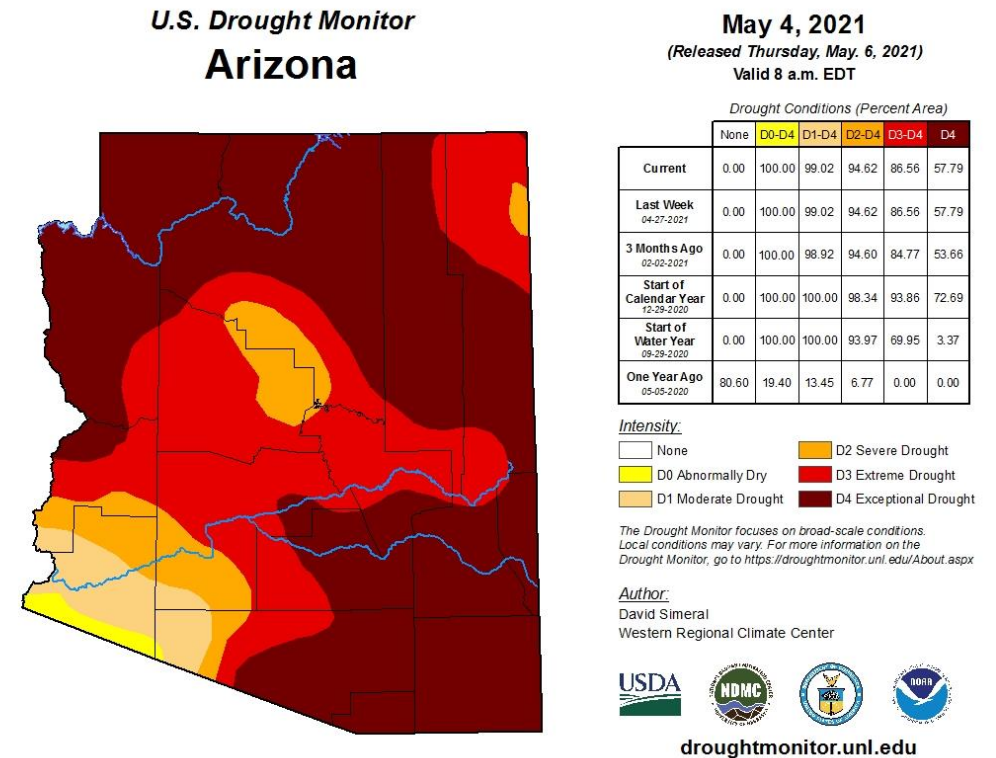
- Shrinking Lake Mead inches closer to water shortage declaration**
STATE
Lakes Mead and Powell could drop to lowest ever; Colorado River drought plan triggered
Striking new study suggests how deeply we'll need to reduce our use of Colorado River water
Posted by jfleck on 30 January 2021, 11:05 am
- Climate change is hitting the Colorado River 'incredibly fast and incredibly hard'**
ALERT FEATURED
Colorado River outlook darkens dramatically in new study
Tony Davis Feb 8, 2021 Updated 2 hrs ago
- Tucson's water supply can survive 'worst case' CAP cuts, city official says**
Tony Davis Mar 22, 2021 Updated Mar 23, 2021
Nick Martin / February 8, 2021
- The Colorado River Crisis Is a National Crisis**
Colorado River drought and water supply issues could soon affect 12 percent of Americans.
- Drought-stricken Colorado River Basin could see additional 20% drop in water flow by 2050**
The region is transitioning to a more arid climate, challenging longstanding practices of water sharing in the basin.
By Jan Ellen Spiegel / Tuesday, January 12, 2021
- Colorado River study means it's time to cut water use now, outside experts say**
Tony Davis Feb 21, 2021 Updated 19 hrs ago
- A Colorado River Showdown Is Looming. Let The Posturing Begin**

Groundwater – Surface Water Connection

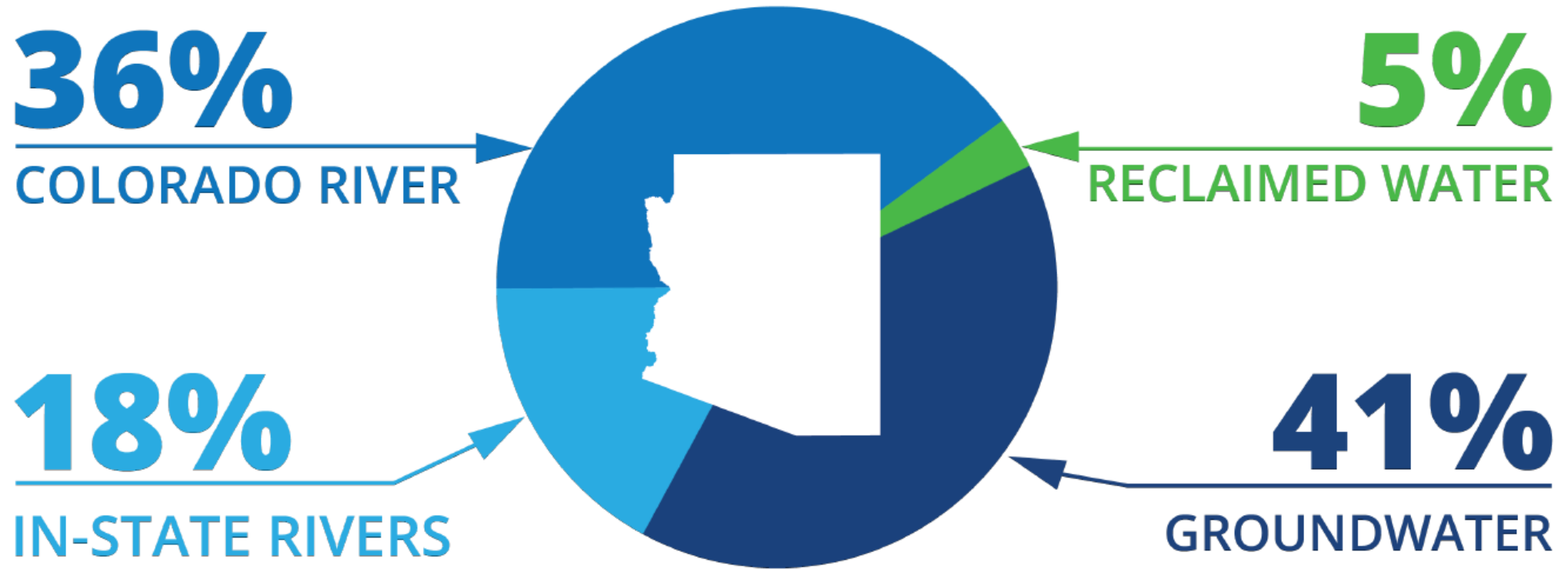


Drought in Arizona

- Weather-related phenomenon, exacerbated by human activity
- AZ drought: 2000
- Current predictions indicate drought worsening
- Arizona has been planning for this for years
 - 2004 Arizona Drought Preparedness Plan
 - 2007 Interim Guidelines
 - CO River Drought Contingency Plan



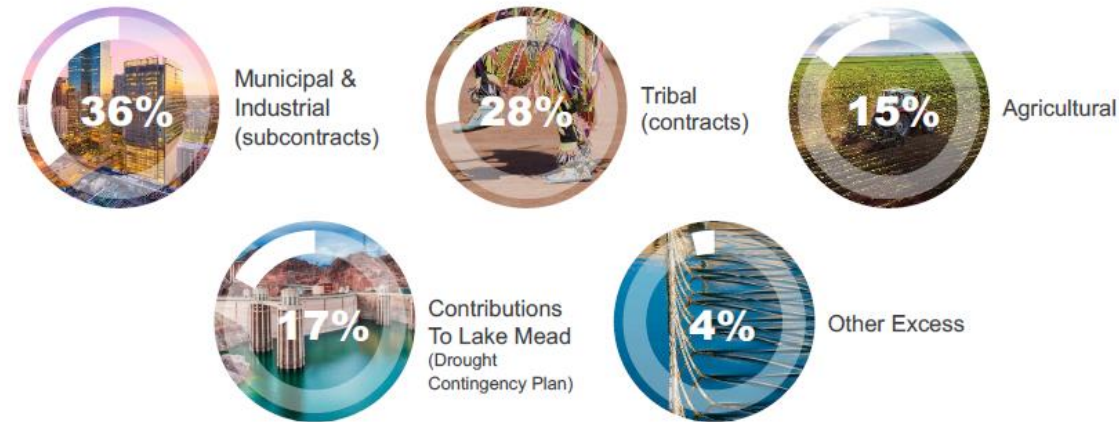
Arizona Water Supply



Source: ADWR, 2020

Colorado River

- Allocated between 7 basin states and Mexico
 - Upper Basin
 - Lower Basin
- Water Rights on the CO
 - “Law of the river”
- Central Arizona Project (CAP): aqueduct from Lake Havasu to Tucson

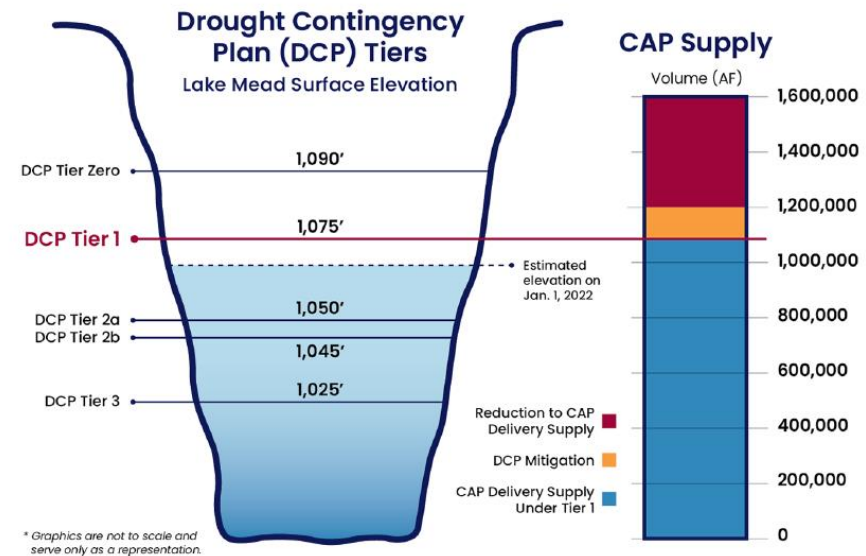


Colorado River Drought Contingency Plan (DCP)

- Set of agreements between Lower Basin states to take reductions in CO River in the event of droughts or shortages
- Supply reductions relate to the surface elevation of Lake Mead
- Goal: protect Lake Mead from critical levels and prevent conditions that would restrict operation of the CO River System

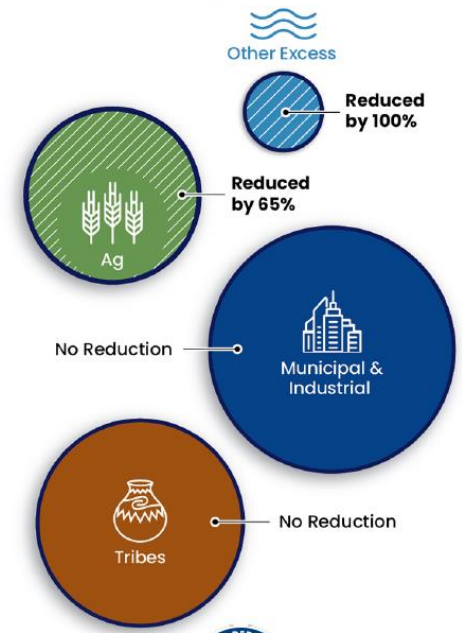
2022 – Tier 1 Shortage

CAP Reductions



To learn more, please visit: www.cap-az.com/colorado-river-shortage

2022 Reduction to CAP Users After DCP Mitigation



What Can We Do?

We all have to work together to ensure our water supply for generations to come

Arizona already at work:

- 4th and 5th Active Management Area Plans
- Arizona Reconsultation Committee
- Climate Adaptation Plan

At (your water utility):

- Manage water supply to meet community's water needs
- Recharge aquifers with reclaimed water
- Closely monitor drought conditions
- Drought Contingency Plans
- Water Use Efficiency Plan
- Customer resources and tools
 - FAQ on website

Questions?