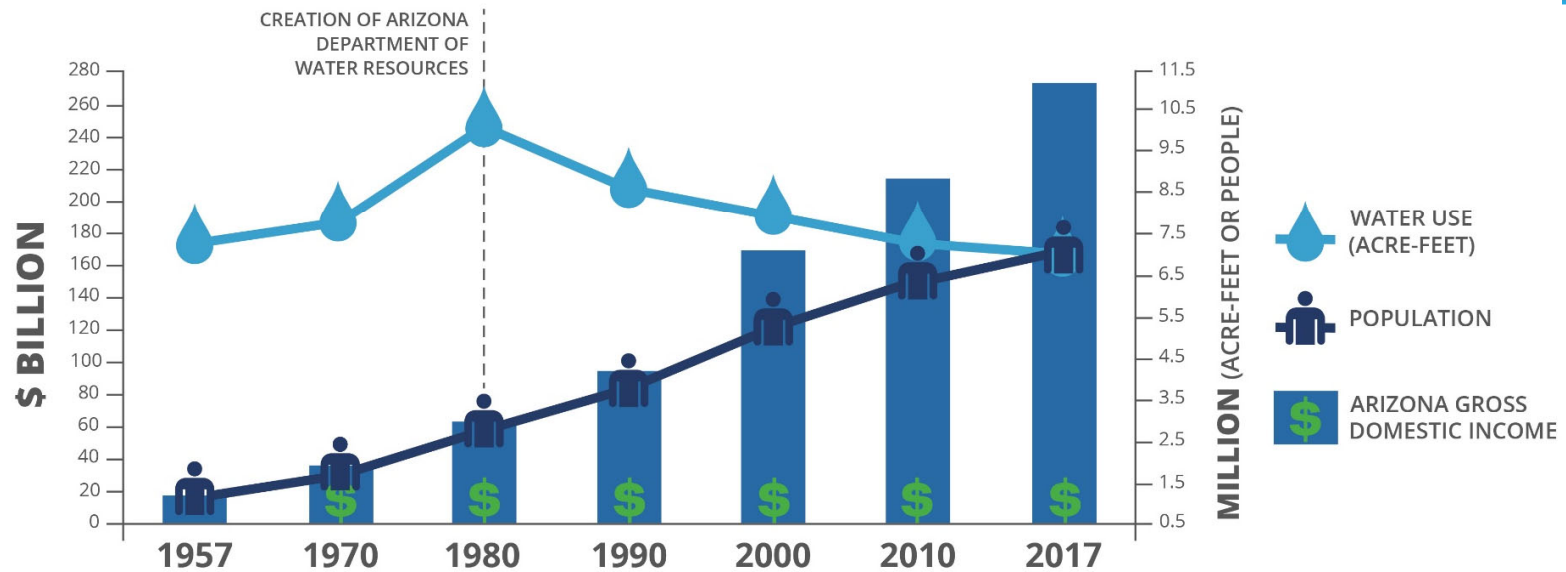


# *Southern California Water Dialogue*



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May 26, 2021*

## ARIZONA WATER USE, POPULATION, AND ECONOMIC GROWTH (1957 - 2017)



### TOTAL WATER USE (IN MILLIONS ACRE/FEET)

1957 7.1 MAF  
2017 7 MAF

**-1%** CHANGE FROM 1957-2017

### POPULATION (IN MILLIONS)

1957 1.1  
2017 7

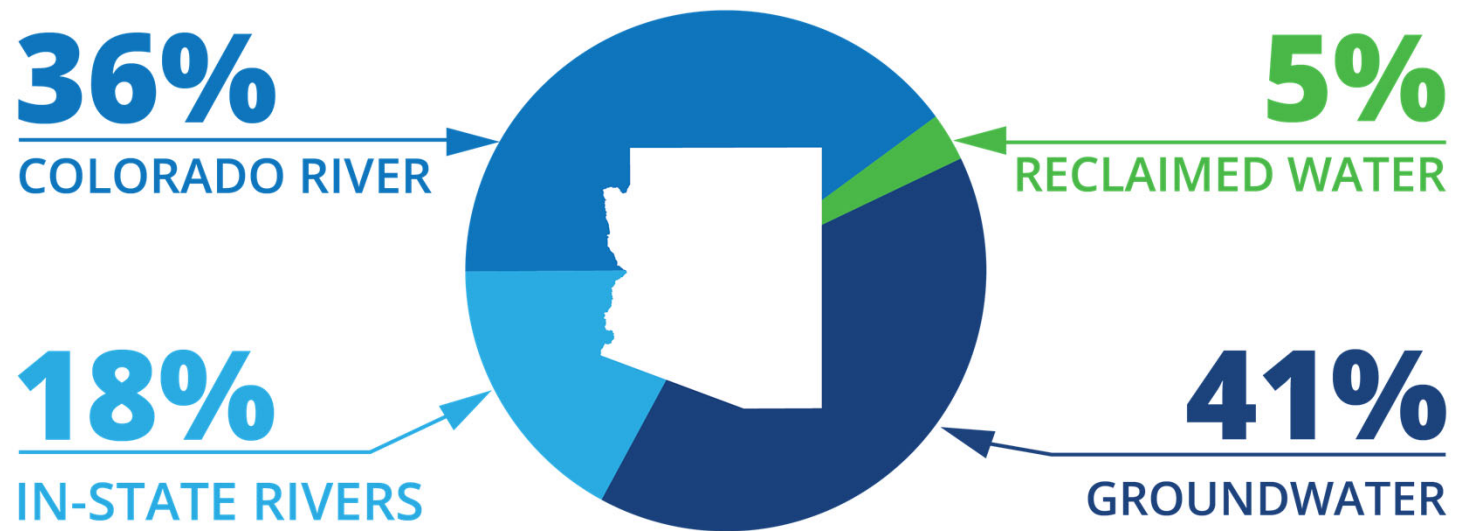
**536%** CHANGE FROM 1957-2017

### GROSS DOMESTIC INCOME (IN BILLIONS)

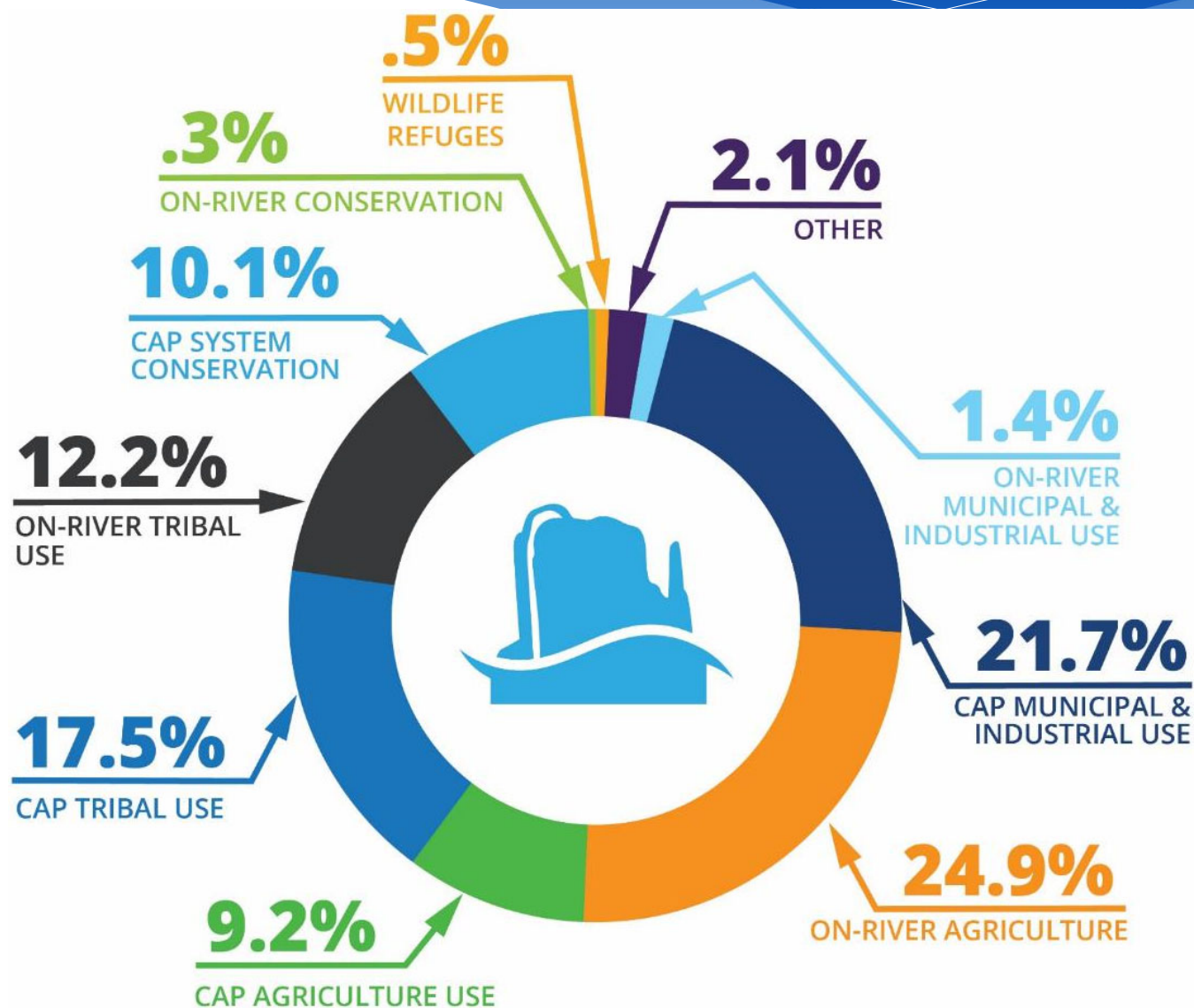
1957 \$ 13.4  
2017 \$ 274.8

**1,951%** CHANGE FROM 1957-2017

# Arizona Water Use By Source (2019)



# Arizona's Colorado River Use



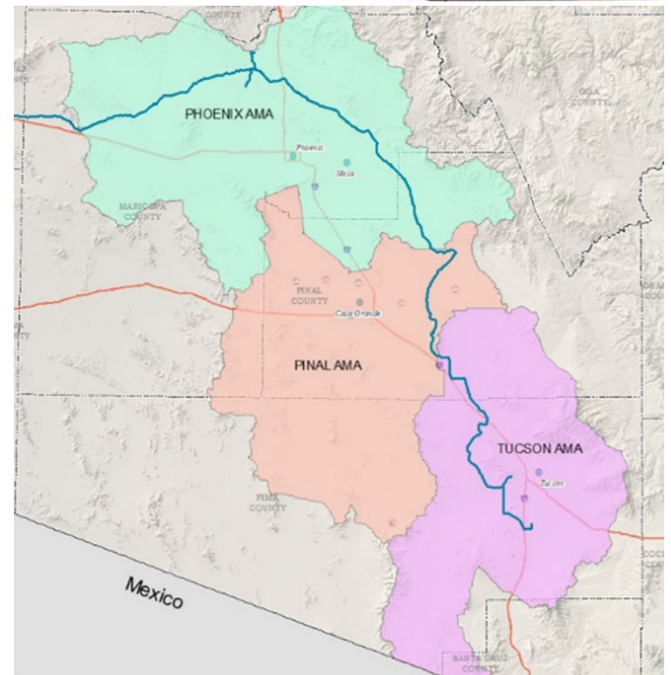
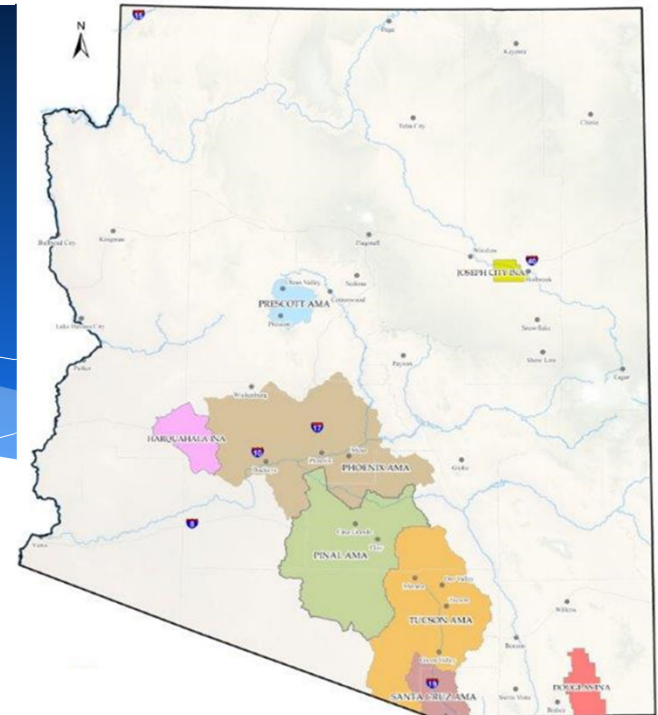
Source: 2017 Reclamation Water Accounting Report and Central Arizona Project Water Delivery Report

# 2007 Interim Guidelines Shortage Reductions and Incremental DCP Contributions

Lake Mead Elevation	AZ 2007	AZ DCP	AZ TOTAL	NV 2007	NV DCP	NV TOTAL	CA 2007	CA DCP	CA TOTAL	BOR DCP	MX Min 323	MX BWSCP	MX Total	TOTAL
≤1090 >1075	0	192K	192K	0	8K	8K	0	0	0	100k	0	41k	41k	341k
≤1075 >1050	320K	192K	512K	13K	8K	21K	0	0	0	100k	50k	30k	80k	713k
≤1050 >1045	400K	192K	592K	17K	8K	25K	0	0	0	100k	70k	34k	104k	821k
≤1045 >1040	400K	240K	640K	17K	10K	27K	0	200K	200K	100k	70k	76k	146k	1,113k
≤1040 >1035	400K	240K	640K	17K	10K	27K	0	250K	250K	100k	70k	84k	154k	1,171k
≤1035 >1030	400K	240K	640K	17K	10K	27K	0	300K	300K	100k	70k	92k	162k	1,229k
≤1030 >1025	400K	240K	640K	17K	10K	27K	0	350K	350K	100k	70k	101k	171k	1,288k
≤1025	480K	240K	720K	20K	10K	30K	0	350K	350K	100k	125k	150k	275k	1,475k

# Recharge Projects & Storage

- **101 recharge projects in AZ**
  - 84 USFs
  - 17 GSFs
- **11.8 MAF stored for future use**
  - AWBA 4.2 MAF
    - NV interstate .6 MAF
  - Cities, Utilities, Others 6.1 MAF
  - Tribal Storage 1.5 MAF
- **Stores water underground for future use**

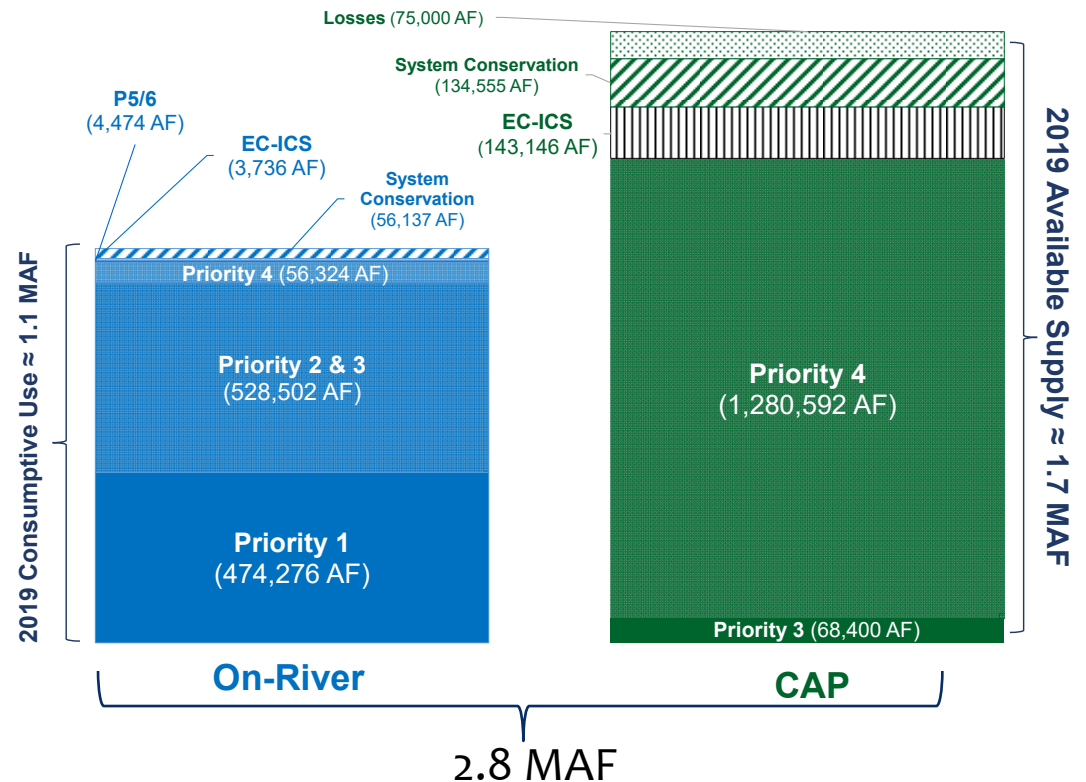




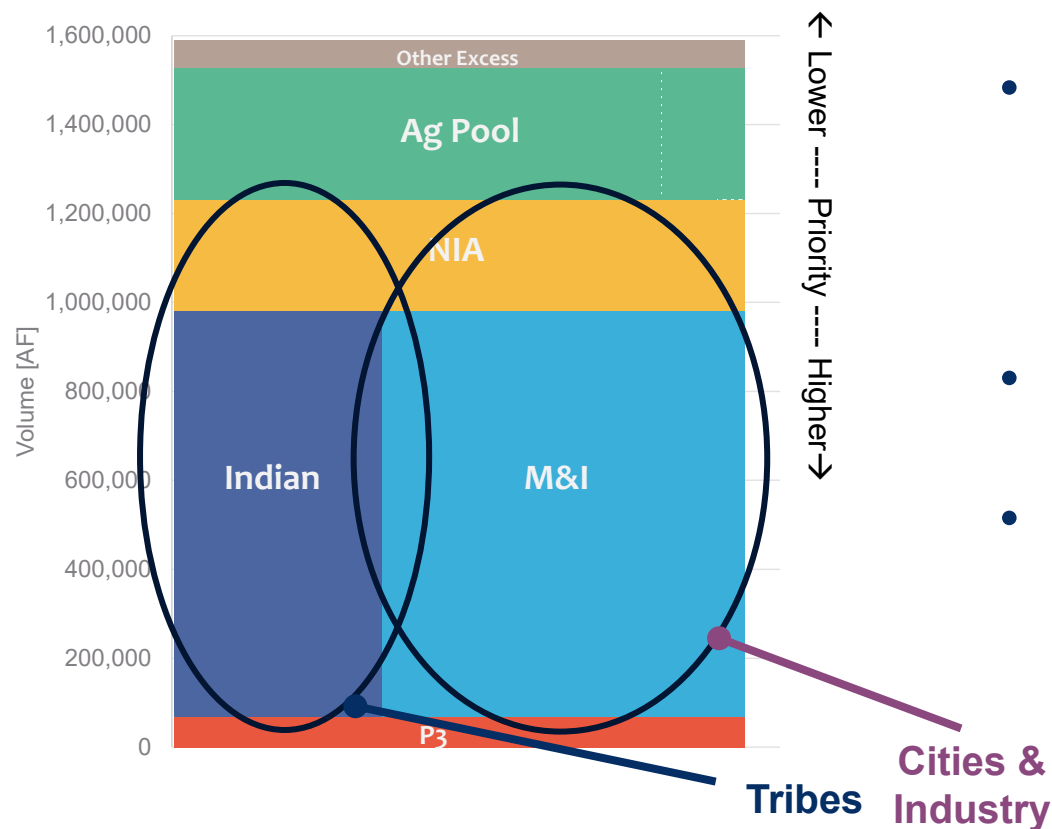
# Colorado River Priorities and Uses in AZ (2019)

- **Priority 6:** Entitlements to Surplus Water
- **Priority 5:** Unused Arizona Entitlement or Apportionment
- **Priority 4:** Post-September 30, 1968 contracts, Secretarial Reservations, and Perfected Rights
- **Priority 3:** Entitlements pursuant to contracts between the United States and water users in the State of Arizona executed on or before September 30, 1968
- **Priority 2:** Secretarial Reservations and Perfected Rights established or effective prior to September 30, 1968
- **Priority 1:** Present Perfected Rights as defined and provided for in the Decree

← Lower ----- Priority ----- Higher →



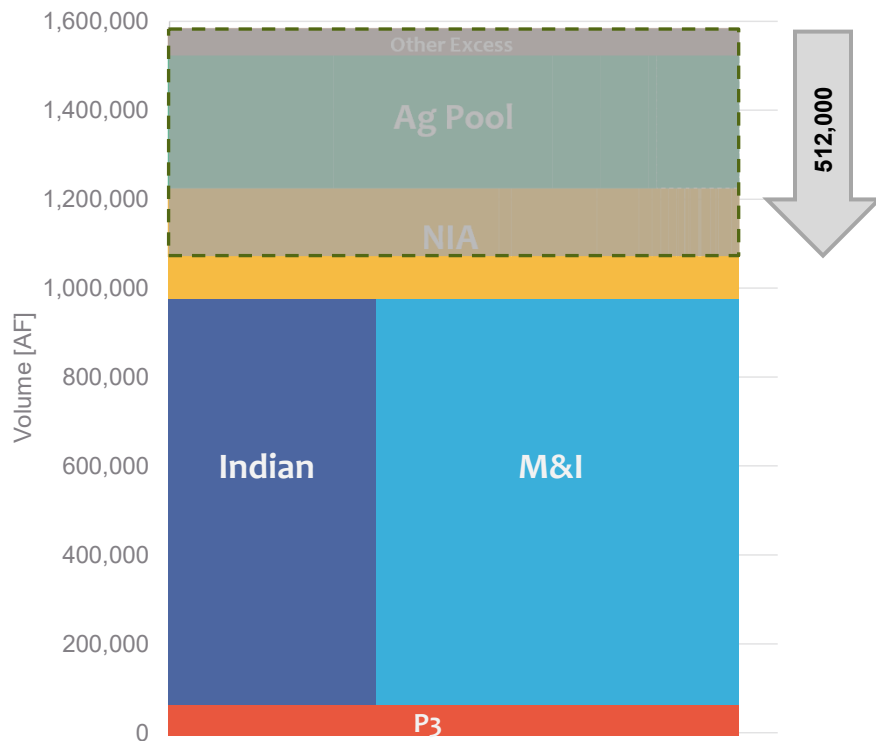
# CAP Priorities—Full Supply



- “Block Chart” illustrates delivery requests by CAP priority
  - Higher priority entitlements are towards the bottom of the chart
- The names of the “pools” do not neatly align with uses
- Assumptions for 2022:
  - 1.595 MAF delivery supply prior to reductions
  - Water orders similar to 2021
- \* Includes NIA Reallocation



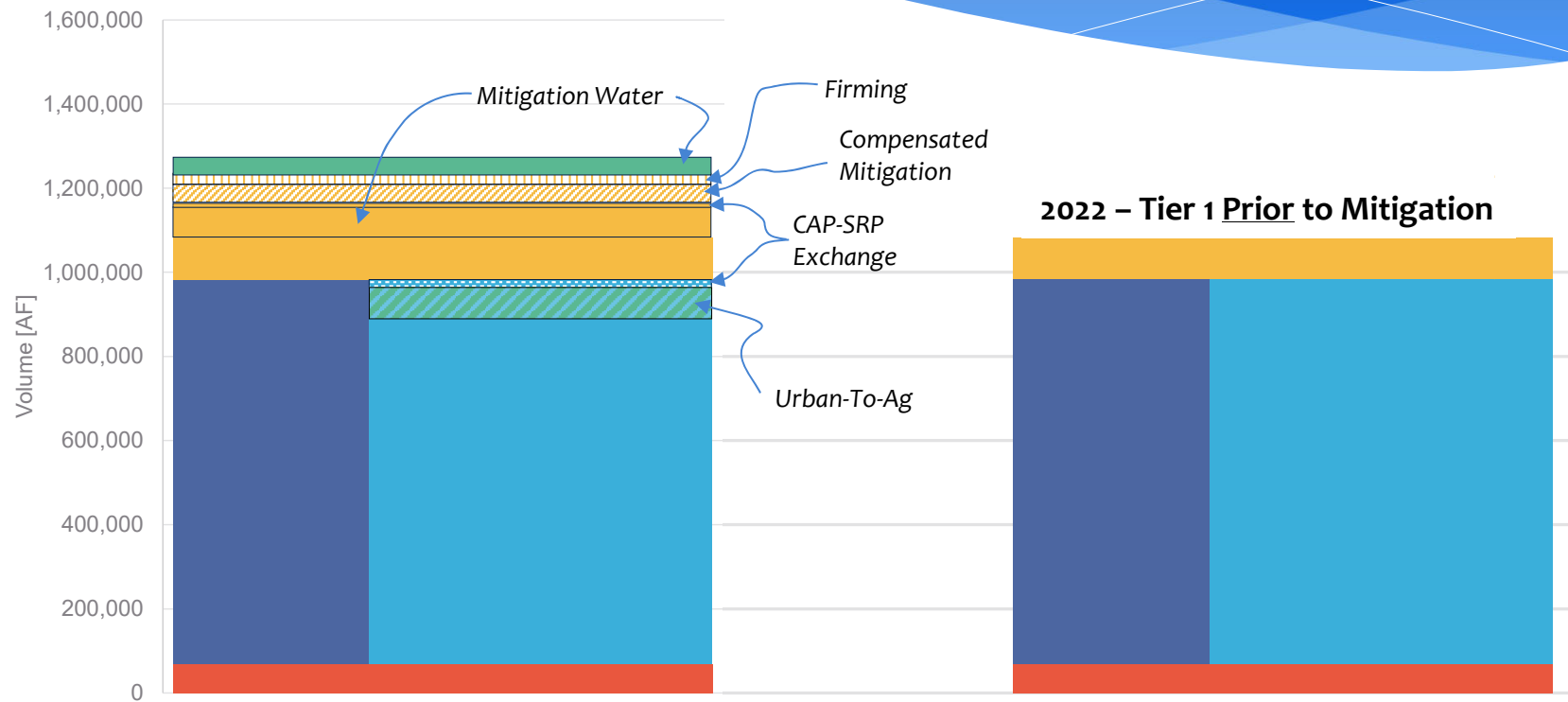
# CAP Priorities—Tier 1 Shortage





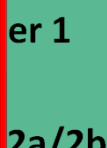


- 512,000 AF\*  
Reduction/Contribution
  - 320,000 AF per 2007 Guideline
  - 192,000 AF per LBDCCP
- Pre-Mitigation Impacts
  - 100% Reduction to Ag Pool
  - ~60% Reduction to NIA Pool

\* P5/6 reductions accounted for separately.

# 2022 – Tier 1 Shortage (CAP)



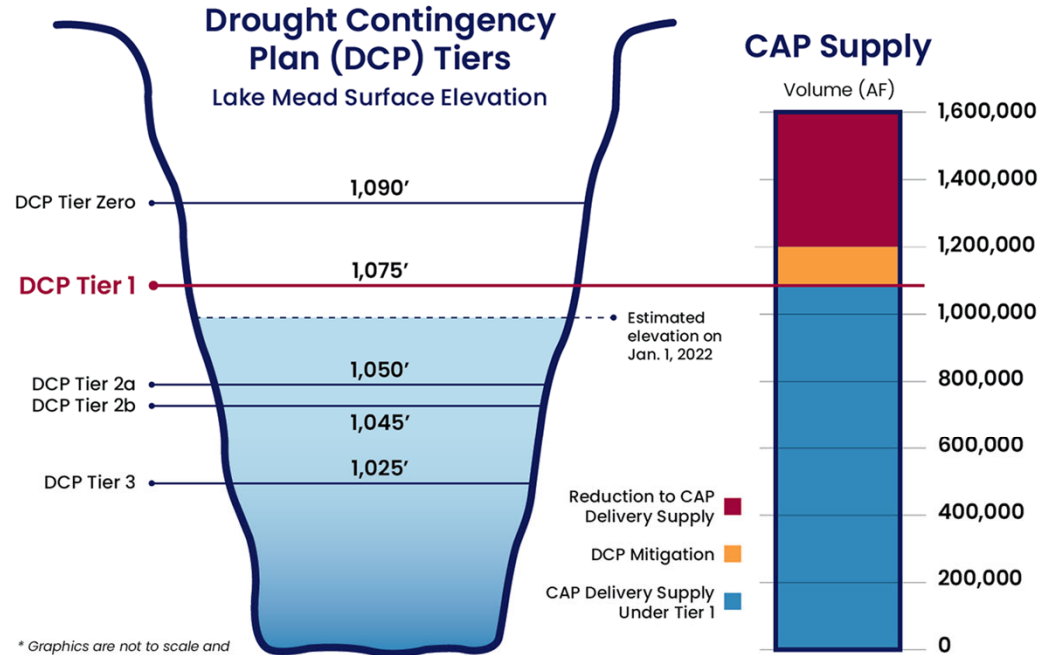
# Mitigation Commitments

	2020	2021	2022	2023	2024	2025	2026
Ag Pool Parties	 105 KAF - Tier 1  70 KAF - Tiers 2a/2b GW 16.5K			No CAP Wet Water Mitigation			
				Groundwater Infrastructure Program 70 KAF / Yr			
NIA Contractors & Subcontractors	 100% Tiers 1/2a/2b			75%* - Tiers 1/2a 50%* - Tier 2b			No Mitigation 2026 or Tier 3

- **Mitigation Component**
  - Wet water CAP deliveries for mitigation
  - Payment for reductions (compensated mitigation) when wet water mitigation is insufficient
  - Money for new groundwater infrastructure for CAP Ag
- **Offset Component**
  - System conservation and ICS creation to replace CAP ICS that is used for mitigation
  - Pre-firming concept to address NIA firming obligations from Indian water settlements

# 2022 – Tier 1 Shortage recap

## Tier 1 Shortage: CAP Reductions



\* Graphics are not to scale and serve only as a representation.

To learn more, please visit: [www.cap-az.com/colorado-river-shortage](http://www.cap-az.com/colorado-river-shortage)

## 2022 Reduction to CAP Users After DCP Mitigation

