

**Post 2025 AMAs Committee
Governor's Water Council
Reading the Road Signs**

**Water Resources Research Center Conference
June 19, 2020**

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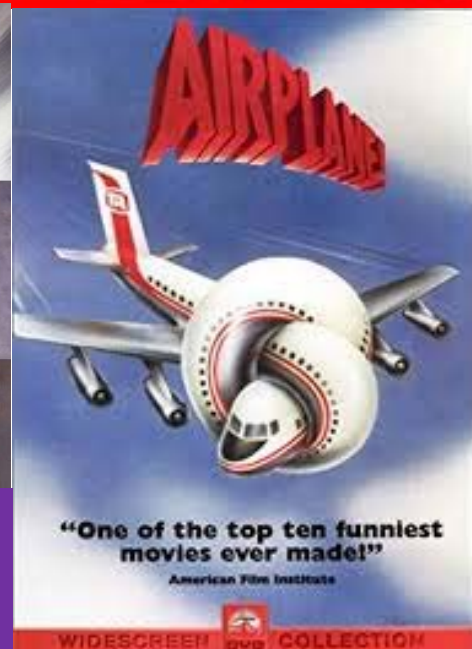
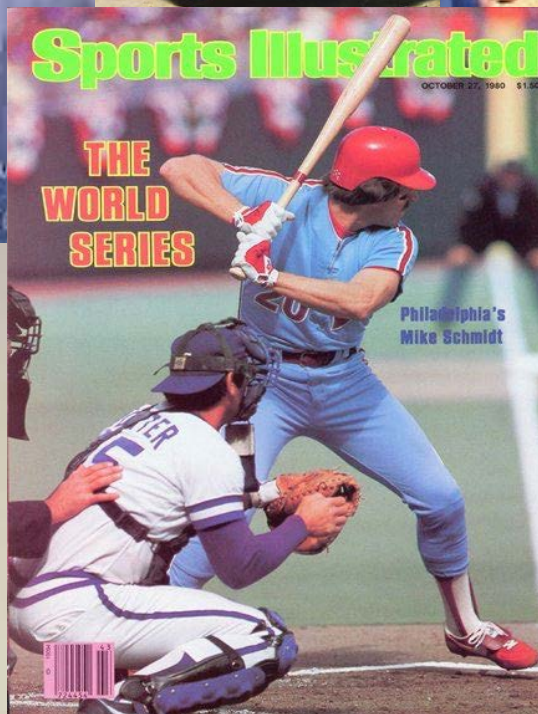
amwua
ONE FOR WATER™



THE STAR WARS SAGA CONTINUES



PINK FLOYD THE WALL



1980

Committee Objective & Approach


GOAL

Identify water management challenges facing the AMAs and generate strategic solutions for 2025 and beyond

APPROACH

1. Identify and analyze issues
2. Present findings to Governor's Water Council
3. Develop solutions/strategies to address the challenges





Committee Progress – Defining the Issues

Objective – Succinctly explain the issue to establish a common set of facts before developing a strategy or solution.

Three “Issue Briefs” have been developed and reviewed by the Committee.

Issue briefs located at

<https://new.azwater.gov/gwaicc>

Hydrologic Disconnect

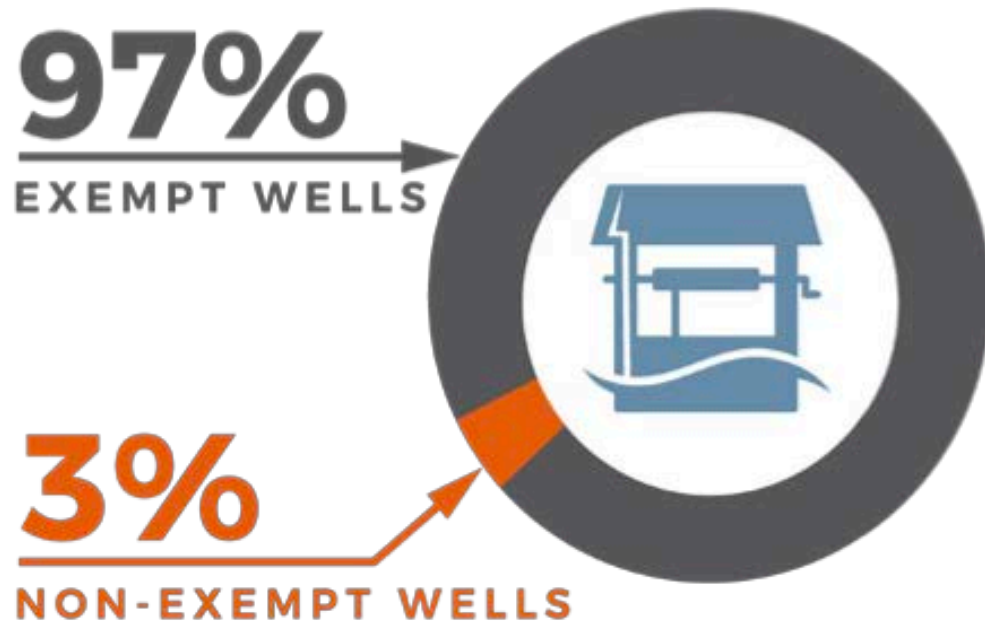
- Recharge & Recovery / Pumping & Replenishment can occur AMA-wide
- This disconnect can lead to water management problems, including localized groundwater depletion



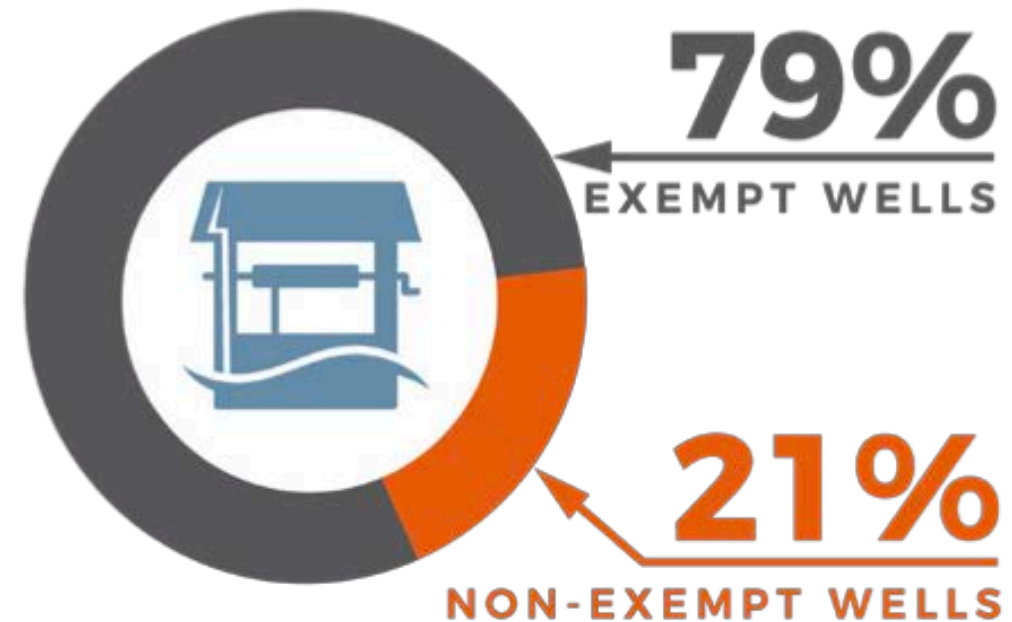
**PHOENIX AMA – 5,646
square miles / 100 miles
wide / 7 sub-basins**

Exempt Wells

- Pump 35 gpm or less
- Unregulated but impact other well types
- Extent of the issue varies between AMAs



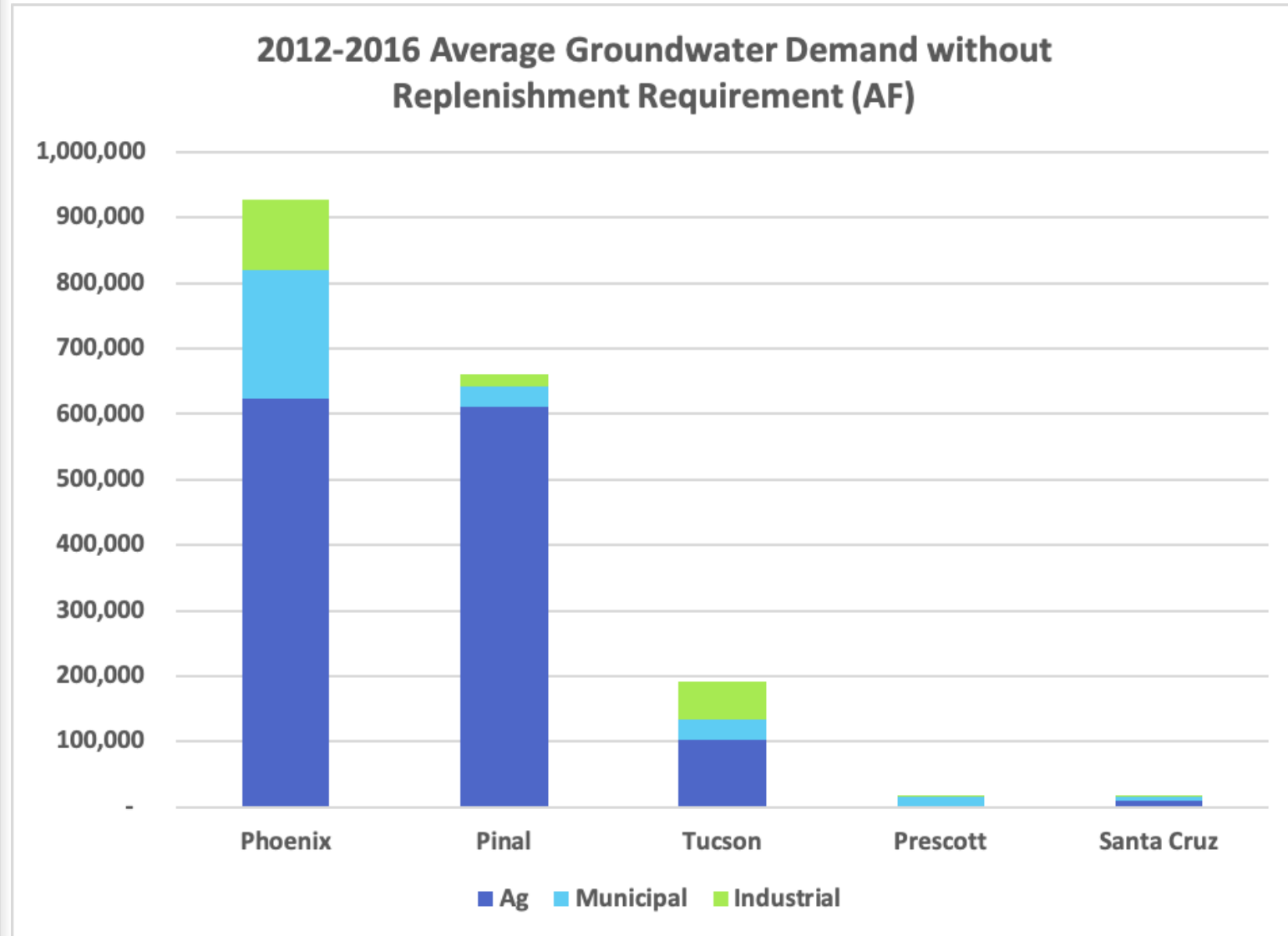
PRESCOTT AMA WELL TYPES



ARIZONA WELL TYPES

Unreplenished Groundwater Withdrawals


- Groundwater pumping allowed without requirement to replenish or replace
- Such pumping occurs in all sectors



List of Challenges (so far)

- Exempt Wells
- Unreplenished Groundwater Pumping
- Aquifer/Sub-basin Groundwater Management
 - Hydrologic Disconnect
- CAGR D
 - Limits for Enrollment
 - Uncertainty of sufficient supplies for future replenishment
- Impacts of Climate Change
- Impacts to Environment
 - Groundwater Recharge for Streams and Wildlife
- AMA Data Collection



A large, semi-transparent graphic of water splashing and bubbling, covering the left side of the slide. A small green horizontal bar is located at the top left of this graphic.

Looking Forward

