

## **Presentation Roadmap**

CAGRD 2025 Plan of Operation Overview & Timeline (Grignano)

Stakeholder Outreach & Replenishment Obligation Projection Development (Baji)

Focus Groups & Water Provider Meetings

Replenishment Obligation Projection

Discussion and Consideration of Action to Approve Replenishment Projections for Use in the 2025 CAGRD Plan of Operation



# **CAGRD Plan of Operation Overview & Timeline**

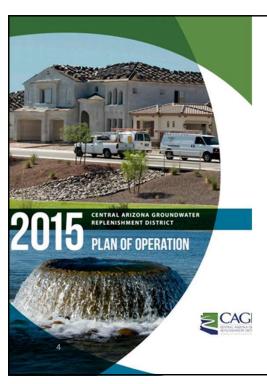
(Laura Grignano)

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Discussion and Consideration of Action to Approve Replenishment Projections for Use in the 2025 CAGRD Plan of Operation



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# **CAGRD Plan of Operation**

- By statute, CAGRD operates under a 10-year Plan of Operation.
- All Plans have been developed with public input and have been approved by ADWR.
- The current 10-year Plan of Operation was approved by ADWR on August 5, 2015.
- Describes the projected replenishment obligations and supplies to meet those current and future obligations.
- Last August, CAP staff began a multi-year effort to develop the next Plan of Operation.

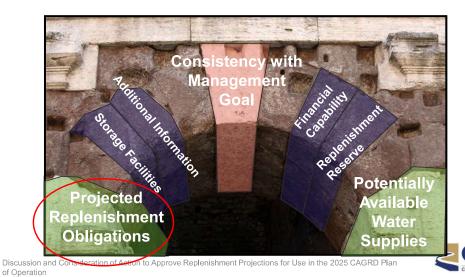
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### **Building the Plan of Operation**



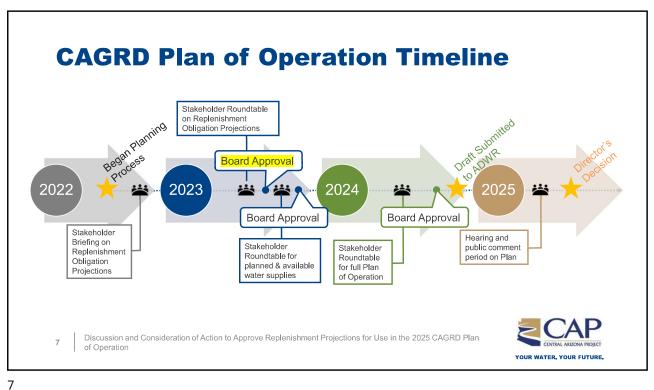
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## **Overall Goals & Objectives: Plan Process**

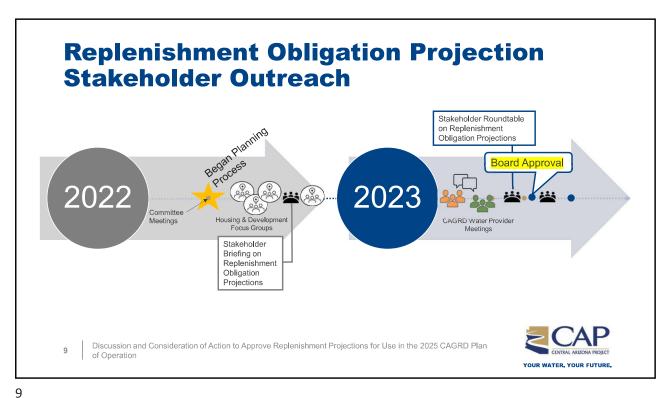
- 1. Submit a new Plan of Operation to ADWR Director on or before January 1st of 2025
- 2. Provide quarterly updates to the CAGRD Committee on progress of the plan development.
- 3. Solicit input and feedback from stakeholders prior to obtaining Committee and Board approval of 1) replenishment obligation projections 2) planned and potentially available water supplies and 3) the remainder of the Plan of Operation components.
- 4. Engage with stakeholders through multiple venues including stakeholder Briefings and Roundtables in 2022, 2023 and 2024.

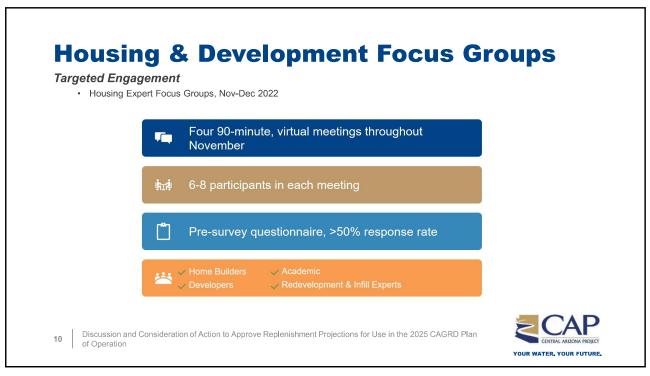
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# **CAGRD Water Provider Meetings** *Eight meetings in April* 2023

Reached 18/23 MSAs

Expected reliance on CAGRD

Acquisition of renewable supplies to offset groundwater pumping

Re-Designation

Reached 4/5 Top ML Water Providers

Use of Groundwater Allowance in Reporting to CAGRD

Acquisition of renewable supplies to offset groundwater pumping

Potential ML to MSA Conversion

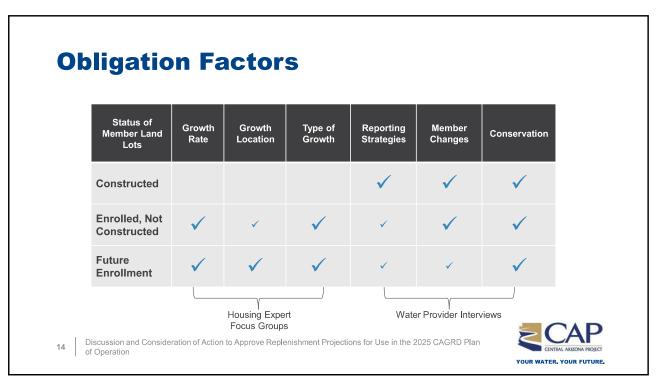
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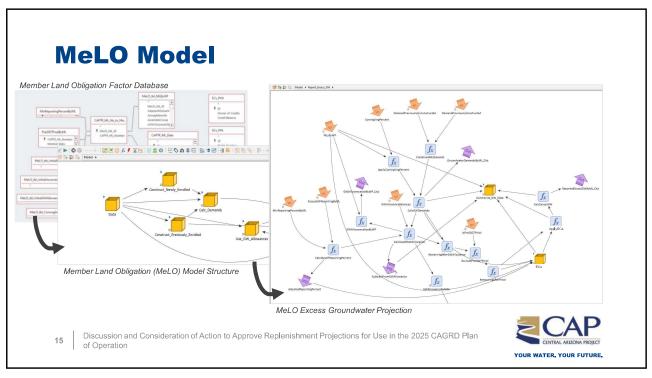


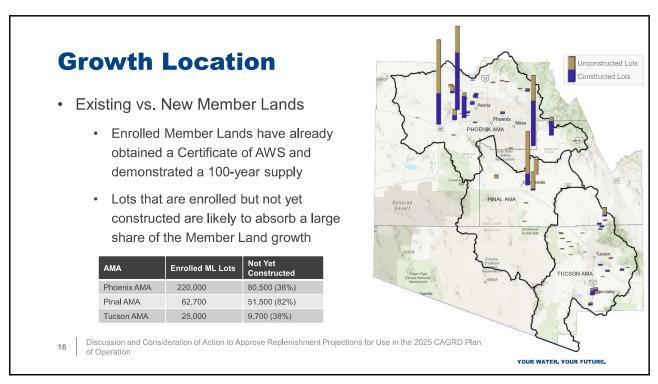
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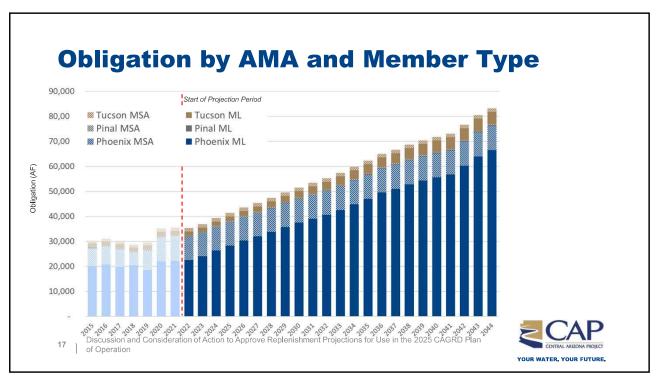
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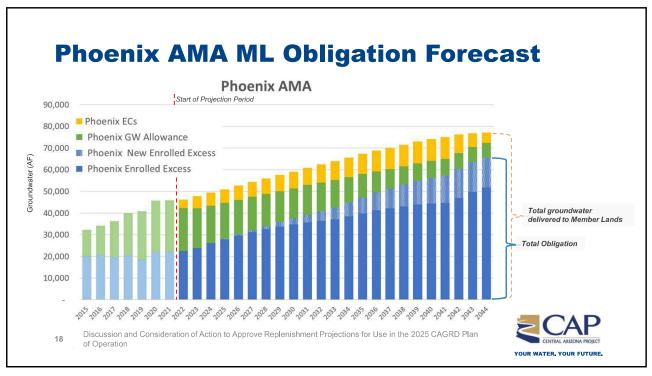












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# **Obligation Estimates**

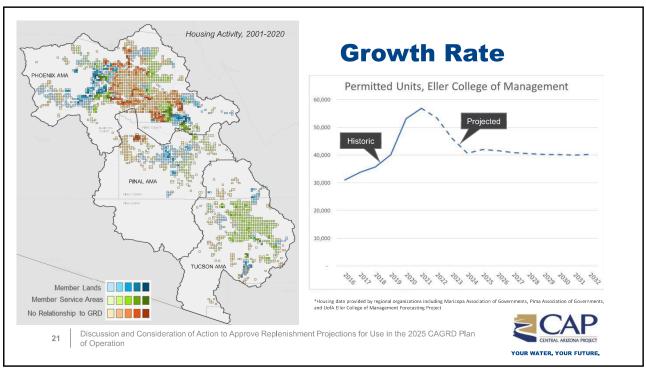
		Current (2021)	20-Year Forecast (AF/year)	100-Year Forecast (AF/year)
Member Lands	Previously Enrolled	24 KAF	56 KAF	63 KAF
	Newly Enrolled Lots	-	15 KAF	13 KAF
Member Service Areas		12 KAF	12 KAF	15 KAF
	TOTAL	35 KAF	83 KAF	91 KAF

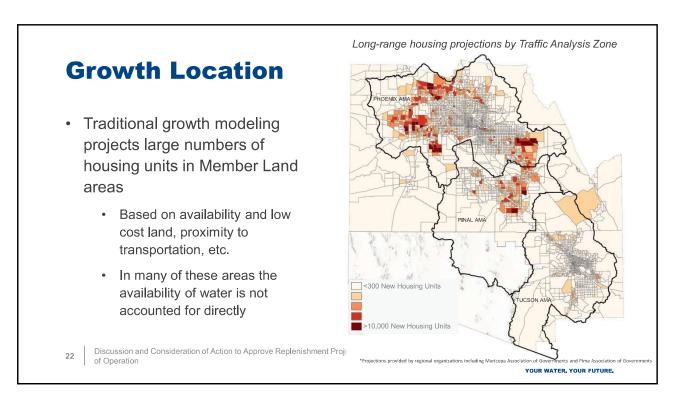
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# Thank you! Questions? Discussion and Consideration of Action to Approve Replenishment Projections for Use in the 2025 CAGRD Plan of Operation





# **Growth Type**

- The proportion of multi-family housing units has increased in the past decade
- This is associated with urban densification, and results in lower per capita water use

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The state of the st

100%

90%

80%

70%

60%

50% 40%

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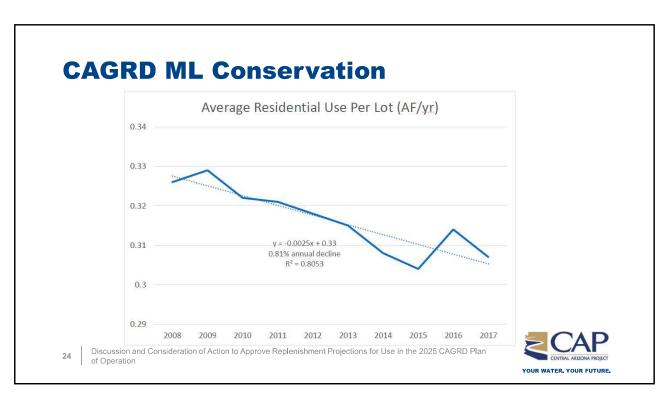
CAP
CENTRAL ARIZONA PROJECT
YOUR WATER, YOUR FUTURE

Average

2000 - 2021

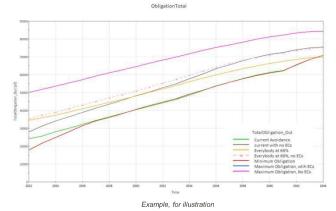
**MULTI-FAMILY** 

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# **Sensitivity Analysis- Reporting Behavior**

- During the 20-year period, reporting strategies have a large and persistent effect on projected obligation
  - High utilization of groundwater allowances, supplemented with Extinguishment Credits, can reduce reported Excess Groundwater by 20-30 KAF/yr.
- Current reporting is near the minimum of obligation



ECAP CENTRAL ARIZONA PROJECT

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