

# Welcome

The meeting will begin shortly, in the meantime please:

- Keep your microphone muted during the meeting
- If you have a question/comment during the meeting type it in the chat box and it will be read and addressed during the Call to Public
- If you experience any technical difficulties, please contact ADWR Help Desk at 602-771-8444 or [tickets@azwater.gov](mailto:tickets@azwater.gov)



# Douglas AMA GUAC

## October 16, 2025



# Meeting Agenda

## **1. Call to Order – Welcome & Introductions – Chair**

## **2. Meeting Logistics – Taylor Pearson, ADWR**

## **3. Overview of Irrigation Grandfathered Rights (IGFR) Application Process – Madison Moreno, ADWR**

Madison will provide a general overview of the IGFR process and its relevance to water users in the Douglas AMA.

## **4. Understanding Water Duties within the Douglas AMA – Madison Moreno, ADWR**

A brief discussion of water duties and how they relate to water management in the AMA.

## **5. Large Industrial and Commercial Water Users: Overview and Management Plan Context – Madison Moreno, ADWR**

An overview of large industrial and commercial water users and their role within the AMA Management Plan.

## **6. AMA Director Report – David French, ADWR**

David will provide an update on the Arizona Department of Water Resources activities and staffing.

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# Meeting Logistics

## \*For guests joining online:

- Please keep your microphone muted during the meeting
- Type your question/comment in the chat box and it will be read and addressed
- During the Call to Public attendees will have the option to speak to the Council
- This meeting is being recording and will be posted to ADWR's website
- With any technical difficulties please contact ADWR Help Desk at 602-771-8444 or [tickets@azwater.gov](mailto:tickets@azwater.gov)
- If you would like to be added to the GUAC mailing list, please email [tpearson@azwater.gov](mailto:tpearson@azwater.gov) stating: "Add (your email) to Douglas AMA GUAC Mailing List"



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# Overview of Grandfathered Right Application Process



# Application Analysis – Start to Finish

## Application Review

- Substantive Review of App
- Missing information will be put into an RFI (Request for Information)

## GIS Mapping

- Verifying Historic Irrigation & Claimed SCI Acreage
- Questions will be put into an RFI

## Status Summary

- Department Identification - Quantity of Acres Eligible for GFR
- Map Included for IGFRs
- Applicant Response w/ More Information, or Acceptance

## Unsigned Certificate

- Draft GFR, with Eligible and Ineligible Acres Explained
- Map Included for IGFRs
- Appeal within 30 days – otherwise, signed GFR will be Issued

## Signed Certificate

- Signed Type 2 GFR/IGFR
- Water Duty

# Application Analysis – RFI (Request for Information)

- \* An RFI (Request for Information) is sent by the Department to an applicant. These are some of the reasons why -
  - \* The applicant did not provide all information requested on their application
  - \* We require more information for accurate mapping
  - \* Questions regarding wells
  - \* And more
  
- \* Once an RFI is sent to an applicant, their application is on *pause* until it is replied to. There is a 60-day timeframe for RFI responses.

# Application Analysis – Statistics

- \* 193 applications total
- \* 35 applications remain awaiting RFI responses
- \* 17 being mapped
- \* 141 have received status summaries, unsigned certificates, or signed certificates
  
- \* To move along application processing – Please respond to your RFI

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# Overview of Water Duty Calculation



# Calculation of Irrigation Water Duties

- \* The irrigation water duty is the amount of water reasonably required per acre to annually irrigate the historic crops grown on a farm unit.
- \* The Irrigation water duty is calculated by dividing the total water required to produce the historically grown crops by the assigned irrigation efficiency.

$$\frac{\text{Total Irrigation Requirements per Acre}}{\text{Assigned Irrigation Efficiency}} = \text{Irrigation Water Duty}$$

## Crop Consumptive Use

- The amount of water in acre feet per acre for each crop

APPENDIX 4A: DAMA CONSUMPTIVE USE AND OTHER NEEDS REQUIREMENTS BY CROP	
Crop	Consumptive Use (AF/Acre)
Alfalfa	4.80
Corn	2.51
Wheat	2.78
Cotton	3.55
Barley	2.95
Grapes	3.23
Dry Beans	4.76
Pecans (with groundcover)	4.97
Pecans (without groundcover)	4.12
Pistachios	4.60
Sorghum	4.87
Watermelon	2.97
Oats	2.95
Herbs	1.42
Millet	2.66
Peppers	3.12
Potatoes	2.75
Rye	2.23
Sod/Grass seed	4.14
Triticale	2.41
Double Crop Barley & Corn	5.01
Double Crop Wheat & Corn	4.84

# Irrigation Efficiencies

Acres	Set Irrigation Efficiency
10-99	80%
100-499	83%
500+	85%

Set irrigation efficiencies to create an equitable distribution of volumetric reductions of groundwater use

# Example:

- \* Farm A has 100 acres of historical irrigation and has been approved for a 100-acre Irrigation Grandfathered Right.
- \* They are growing pecans with groundcover
- \* Their total yearly allotment will be 599 acre-feet per year

$$\frac{\text{Total Irrigation Requirements per Acre (4.97)}}{\text{Assigned Irrigation Efficiency (83\%)}} = \text{Irrigation Water Duty (5.99 AF/Acre)}$$

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# Overview of New Large Industrial or Commercial Users



# Industrial Use

- \* Type 2 – Non-irrigation right, can be sold independently from the land
- \* Type 1 - Retirement of irrigated acres to use the allotment for a non-irrigation use, like industrial.
  - \* 3AF/Acre per acre of retired land
- \* GIU (General Industrial Use) - Contact the Wells Department at 602-771-827, or permit-wells@azwater.gov
- \* Delivery from a Municipality

# New Industrial & Commercial Conservation Program

- \* Applies To:

- \* New industrial or commercial users that use over 100 acre-feet per year
- \* Operations beginning after January 1, 2027

- \* Requirements:

- \* Must prepare and submit a Water Conservation Plan to the Director
- \* Plan may be combined with other required conservation plans

- \* Plan Must Include:

- \* Estimate of potential water savings
- \* Identification of major water use areas and conservation measures
- \* Employee education program on water conservation
- \* Timeline for implementing conservation actions

# Questions?

managementplans@azwater.gov

Douglas AMA Information:

<https://www.azwater.gov/douglas-ama>



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