

# 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.
- During the Call to Public people will have the option to speak to the Council.
- If you experience any technical difficulties, please contact ADWR Help Desk at 602-771-8444 or [tickets@azwater.gov](mailto:tickets@azwater.gov)



# Tucson AMA GUAC

## September 16, 2025



# Meeting Agenda

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

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

**3. Arizona Water Banking Authority – Madeleine Oliver, AWBA**

Madeleine will present the AWBA 2026 Preliminary Plan of Operation

**4. Water Management Assistance Program Updates – Tommy Thiatmaja, ADWR**

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**5. WMAP DCP Completed Project Presentations**

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- 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 Tucson AMA GUAC Mailing List”



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# 2026 Preliminary AWBA Plan of Operation

**Madeleine Oliver**, Water Resources Specialist



Groundwater Users Advisory Council - Tucson AMA  
September 16, 2025

09/16/2025

# 2026 Preliminary Plan of Operation

## Water Availability

- BOR announced Tier 1 shortage for 2026
  - 512,000 AF reduction to AZ Colorado River entitlement
- Resultant reduction to CAP
  - Other Excess reduced first
  - Ag pool reduced second
  - Portion of non-Indian agricultural (NIA) pool impacted

# 2026 Preliminary Plan of Operation

## Credit Development

- No Excess CAP water available to AWBA
- Goals achieved through other means
  - Intentionally Created Surplus (ICS) Firming Credits
  - Long-term Storage Credit (LTSC) purchases
    - Changes in pricing method due to tightening market

# Funding for 2026 Plan of Operation

Funding Source	Estimated Funds Available		Estimated Funds Utilized		Estimated Credits (AF)	
	AWBA	CAWCD	AWBA	CAWCD	Water Storage	Developed Credits
<b>Withdrawal Fees</b>						
Phoenix AMA (ICS) <sup>1</sup>	\$1,596,260		\$373,454		0	1,157
Phoenix AMA (LTSC) <sup>2</sup>			\$1,222,805		0	2,292
Tucson AMA <sup>3</sup>	\$328,813		\$328,813		0	822
<b>Water Storage Tax</b>						
Phoenix AMA		\$0		\$0	0	0
Pinal AMA		\$0		\$0	0	0
Tucson AMA		\$0		\$0	0	0
<b>Total</b>	<b>\$1,925,073</b>		<b>\$1,925,073</b>		<b>0</b>	<b>4,271</b>

<sup>1</sup> Funds used to develop ICS Firming Credits at \$290.40/AF pursuant to AWBA's 2019 IGA with the Community. Developed credits include a 10% loss factor.

<sup>2</sup> The purchase rate of \$533.50 per LTSC neither accounts for the source of credit nor market fluctuation.

<sup>3</sup> The purchase rate of \$400 per LTSC neither accounts for the source of credit nor market fluctuation.

# Distribution of Credits

## Firming for 2026

- Tier 1 Shortage condition
- Tribal firming obligation for the Gila River Indian Community (Community): 10,281 AF

Firming Proposal for the Community - Tier 1 Shortage in 2026:

Year	Firming Credits Developed			Firming Credits Used (AF)		Remaining Balance (AF)
	Firming Credits Developed (AF)	Cost/AF	Total Cost	Through CY 2025	CY 2026 <sup>1</sup>	
2015	16,000	\$157.00	\$2,512,000	16,000	0	0
2016	12,000	\$161.00	\$1,932,000	12,000	0	0
2017	7,000	\$164.00	\$1,148,000	4,600	2,400	0
2018	9,000	\$160.00	\$1,440,000	0	7,881	1,119
<b>Total</b>	<b>44,000</b>		<b>\$7,032,000</b>	<b>32,600</b>	<b>10,281</b>	<b>1,119</b>

<sup>1</sup> Based on CAWCD's August 2025 estimates of 2026 water orders.

- No firming for CAP M&I or on-River (sub)contractors

**No request for Intentionally Created Unused Apportionment**

# Estimated Firming Volumes thru 2026

Objective and Location	Estimated Credits Available as of Dec 31, 2025 <sup>1</sup>	Estimated Credits Used in 2026	Estimated Credits Remaining as of Dec 31, 2026
	Acre-feet		
<b>CAP M&amp;I Firming (4-cent tax)</b>	<b>2,368,057</b>	<b>0</b>	<b>2,368,057</b>
Phoenix AMA	1,601,173	0	1,601,173
Pinal AMA	234,791	0	234,791
Tucson AMA	532,093	0	532,093
<b>On-River M&amp;I Firming (gen. fund)</b>	<b>403,830</b>	<b>0</b>	<b>403,830</b>
<b>Tribal Settlement Obligations:<sup>2</sup></b>	<b>160,633</b>	<b>10,281</b>	<b>150,352</b>
Community - 15,000 AFY	160,633	10,281	150,352
<i>LTSCs</i>	105,390	0	105,390
<i>Firming Credits</i>	11,400	10,281	1,119
<i>ICS Firming Credits</i>	43,843	0	43,843
WMAT - 3,750 AFY	0	0	0
Hualapai - 557.5 AFY	0	0	0
<b>Future Settlements- 4416.5 AFY<sup>3</sup></b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Federal Assistance (SAWRSA)</b>	<b>34,102</b>	<b>0</b>	<b>34,102</b>
<b>Groundwater Mgmt. (W/Fees)</b>	<b>780,087</b>	<b>0</b>	<b>780,087</b>
Phoenix AMA	219,941	6,650	213,291
Pinal AMA	453,695	-6,650	460,345
Tucson AMA	106,451	0	106,451
<b>Shortage Reparations</b>	<b>109,489</b>	<b>0</b>	<b>109,489</b>
<b>Pinal Redirect Credits</b>	<b>14,125</b>	<b>0</b>	<b>14,125</b>
<b>Interstate - SNWA</b>	<b>613,846</b>	<b>0</b>	<b>613,846</b>

<sup>1</sup> Includes all credits accrued and utilized through 2025

<sup>2</sup> The White Mountain Apache Tribe Water Rights Quantification Act enforceability date is December 30, 2027. The Hualapai Tribe settlement enforceability date is April 15, 2029.

<sup>3</sup> The AWBA understands that it is highly unlikely that additional NIA priority water would be included in future settlements. Therefore, the AWBA is assuming there will be no additional firming obligations of NIA priority water.

# Questions?

Email: [moliver@azwater.gov](mailto:moliver@azwater.gov)

Website: <https://waterbank.az.gov/>



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# Water Management Assistance Program Fund

**Current Balance: \$160,467**

Encumbered/committed: \$67,050

**Remaining Balance: \$93,417**

# TUCSON ACTIVE MANAGEMENT AREA Groundwater Withdrawal Information

Year		2021	2022	2023	2024	2025	2026
WMAP	Fee	\$0.25	\$0.50	\$0.50	\$0.50	\$0.50	Max \$2.00
	Collected	\$35,393	\$70,173	\$74,957	\$71,868	N/A	
Admin & Enforcement	Fee	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	Min. \$0.50 Max. \$1.00
	Collected	\$70,996	\$70,173	\$74,956	\$71,869	N/A	
Water Bank	Fee	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50
	Collected	\$354,698	\$350,866	\$374,785	\$359,346	N/A	
Total	Fee	\$3.25	\$3.50	\$3.50	\$3.50	3.50	TBD
	Collected*	\$555,408	\$585,800	\$607,194	\$596,639	N/A	

\* in addition to AMWP, Admin & Enforcement and Water Bank, amount includes late fees, Recovery Wells fee, and Water Quality Fund

# Current Projects being funded WMAP:

PROJECT NAME	CONTRACTOR	TOTAL FUNDING	REMAINING FUNDING	CONTRACT ENDS
Arizona Project WET	University of Arizona	\$67,050	\$67,050	8/30/2026

# Current Projects being funded Groundwater Conservation Grant Projects:

PROJECT NAME	CONTRACTOR	TOTAL FUNDING	REMAINING FUNDING	CONTRACT ENDS
Expanding a Water Loss Control Program throughout Tucson Water's Distribution System	City of Tucson	\$249,908	\$0	Completed
Automated Gate for Marana Road Canal	Cortaro-Marana Irrigation District	\$30,092	\$0	Completed
Marana Water Citizens' Water Academy	Town of Marana	\$25,000	\$0	Completed

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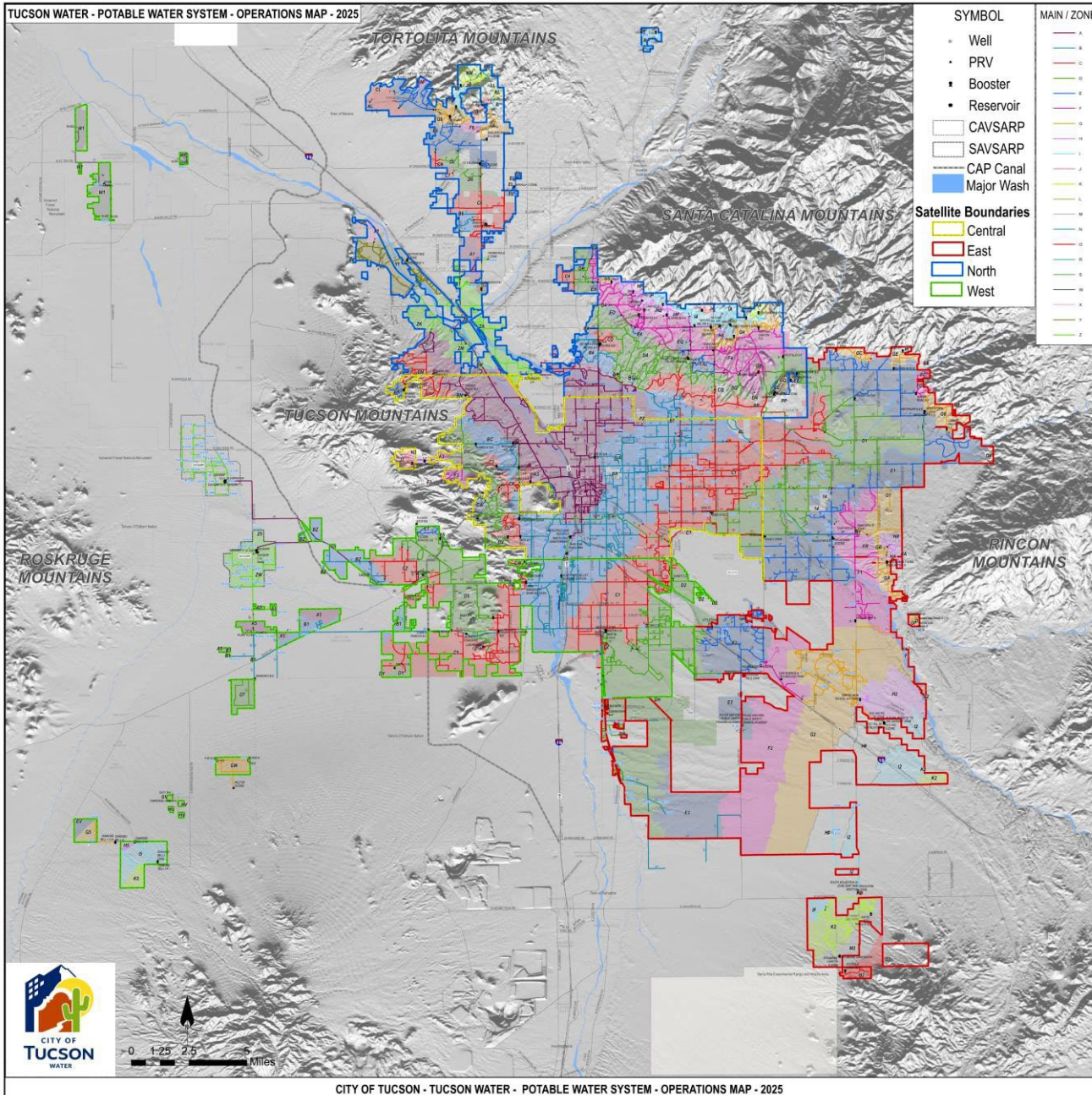
10. **Adjournment** – *Chair*



Leak Detection Program ADWR  
grant non-revenue water loss  
2020-3121 IGA  
Project Summary  
09/16/2025

**John Van Winkle, P.E.**  
**Administrator-Chief Engineer**  
**Planning and Engineering Division**





## Potable System Overview

- 391 sq mile Active Management Area
- 4,660 Miles of Pipelines
  - 418 miles are transmission
- 130 Boosters
- 146 Transfer Valves
- 21,850 Hydrants
- 157 Potable Wells
- 63 Storage Facilities

## ADWR Grant Overview

- 2021 ADWR Awarded \$250k to Tucson Water
- Focus on distribution and transmission system
- Overall goal to expand/enhance leak detection
- 2024 Project Closeout

# Transmission Main

- 30" steel transmission main at Alley Way and S Santa Clara Av
- Pipeline experiencing stray current interference from a gas line
- Pipeline was excavated, leak found and repaired



# Transmission Mains

- 42" Avra Valley Main
- Non-destructive acoustic internal inspection
- 2 anomalies found
- Locations excavated and inspected
- Issues determined to not be leaks but noisy valves on laterals

The portion of the pipeline inspected for this assessment began at Station 42+41 near the intersection of Sandario Road and Ajo Highway in the West and ended at Station 860+06 near the Martin Reservoir in the East. An approximate aerial view of the inspection limits is provided in Figure 2.1.

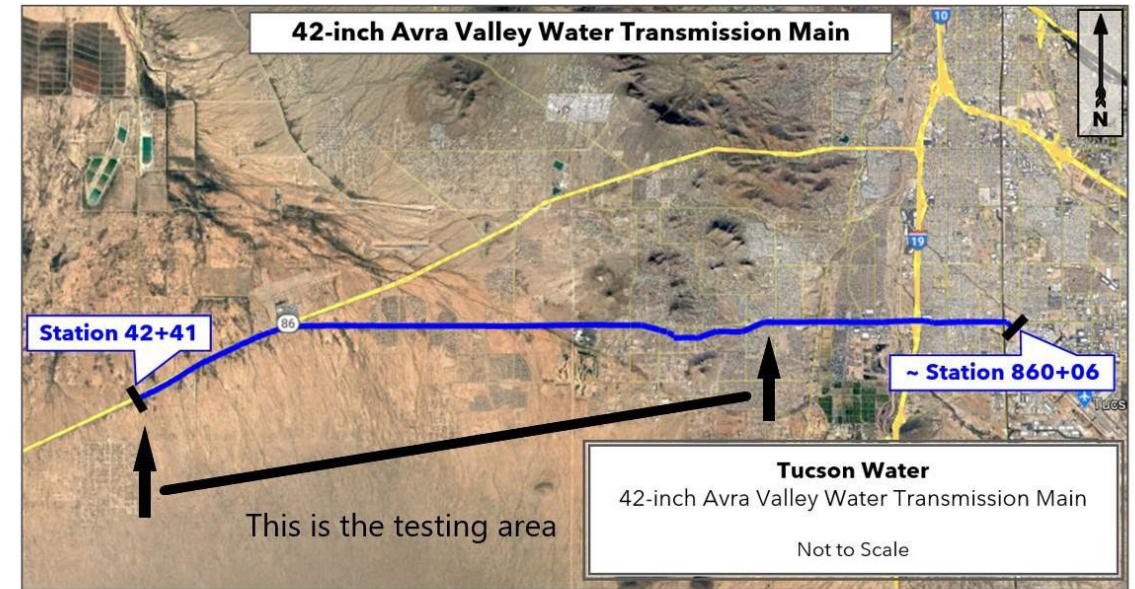


Figure 2.1: Approximate aerial view of the inspection limits of the 42-inch Avra Valley Transmission Main



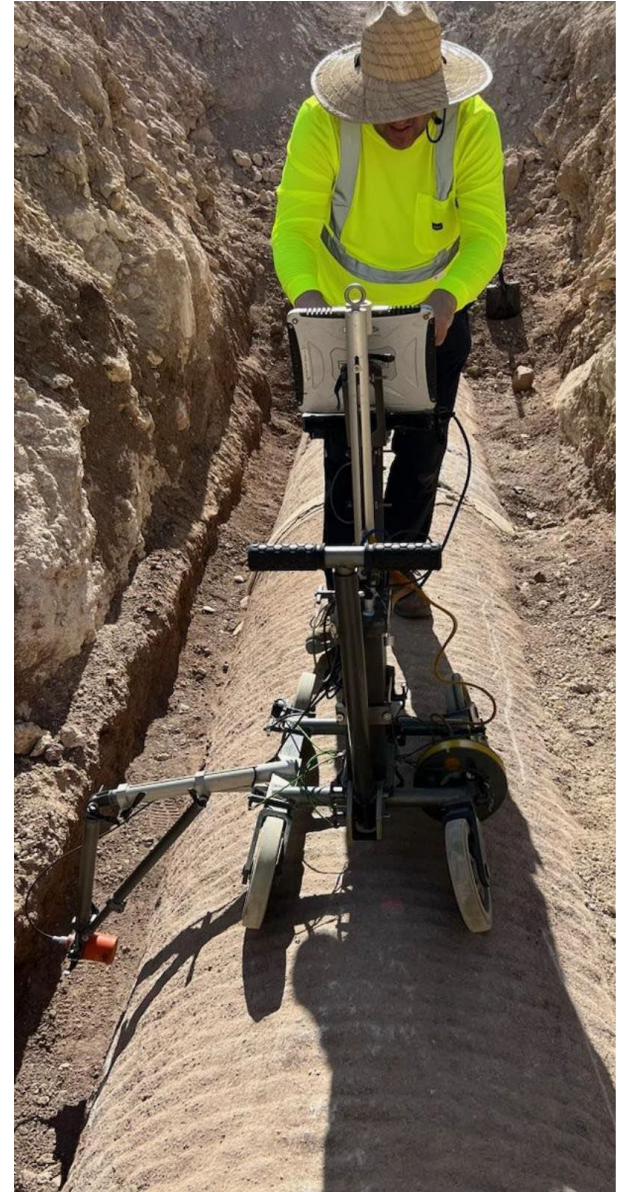
# Distribution System

- Leak Detection on Broadway E-W of Stone Ave.
- Traditional acoustic leak detection boots on the ground
- 192 leaks found and repaired
- Water loss equated to approximately 120 GPM



# Grant Summary

- 658 Miles of Distribution Pipeline inspected
- 192 Leaks Found and Repaired
- Stray current interference identified and fixed
- Estimated 63 million gallons or 194 acre-feet of water saved per year
- 9 miles of Avra Valley Transmission Main inspected



# THANK YOU

**John Van Winkle, P.E.**  
**Administrator-Chief Engineer**  
**Planning and Engineering**  
**Division**

[John.vanwinkle@tucsonaz.gov](mailto:John.vanwinkle@tucsonaz.gov)



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