

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
- If you experience any technical difficulties, please contact ADWR Help Desk at 602-771-8444 or tickets@azwater.gov



Phoenix 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 – Rebecca Bernat, AWBA

Rebecca will present the AWBA 2026 Preliminary Plan of Operation

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

Tommy will review withdrawal fee rates and money collected in past five years, current projects, and remaining balance.

5. WMAP Contract Renewals

- a. Water Conservation Management Program (WCMP) – Chris Fredman, Buckeye Valley Natural Resources Conservation District (NRCD)
- b. Gilbert Smart Irrigation Controller Rebate Program – Jeremiah Churchill, Town of Gilbert

6. WMAP Completed Project Presentations

- a. Northern Avenue Lateral Surface Water Capacity Restoration – Andrew Fraser, Maricopa Water District

7. Groundwater Withdrawal Fee Recommendation

The Council will discuss and recommend to ADWR Director groundwater withdrawal fee rates for the reporting year 2026.

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11. Adjournment – Chair



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- 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
- If you would like to be added to the GUAC mailing list, please email tpearson@azwater.gov stating: “Add (your email) to Phoenix AMA GUAC Mailing List”



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2026 Preliminary AWBA Plan of Operation

Rebecca Bernat, Ph.D., Manager



Groundwater Users Advisory Council - Phoenix AMA
September 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
Withdrawal Fees						
Phoenix AMA (ICS) ¹	\$1,596,260		\$373,454		0	1,157
Phoenix AMA (LTSC) ²			\$1,222,805		0	2,292
Tucson AMA ³	\$328,813		\$328,813		0	822
Water Storage Tax						
Phoenix AMA		\$0		\$0	0	0
Pinal AMA		\$0		\$0	0	0
Tucson AMA		\$0		\$0	0	0
Total	\$1,925,073		\$1,925,073		0	4,271

¹ 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.

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

³ 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 ¹	
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
Total	44,000		\$7,032,000	32,600	10,281	1,119

¹ 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 ¹	Estimated Credits Used in 2026	Estimated Credits Remaining as of Dec 31, 2026
	Acre-feet		
CAP M&I Firming (4-cent tax)	2,368,057	0	2,368,057
Phoenix AMA	1,601,173	0	1,601,173
Pinal AMA	234,791	0	234,791
Tucson AMA	532,093	0	532,093
On-River M&I Firming (gen. fund)	403,830	0	403,830
Tribal Settlement Obligations:²	160,633	10,281	150,352
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
Future Settlements- 4416.5 AFY³	0	0	0
Federal Assistance (SAWRSA)	34,102	0	34,102
Groundwater Mgmt. (W/Fees)	780,087	0	780,087
Phoenix AMA	219,941	6,650	213,291
Pinal AMA	453,695	-6,650	460,345
Tucson AMA	106,451	0	106,451
Shortage Reparations	109,489	0	109,489
Pinal Redirect Credits	14,125	0	14,125
Interstate - SNWA	613,846	0	613,846

¹ Includes all credits accrued and utilized through 2025

² 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.

³ 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: rbernat@azwater.gov

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



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Water Management Assistance Program Fund

Current Balance: \$631,611

Encumbered/committed: \$356,861 (+\$216,000 for WCMP)

Remaining Balance: \$274,750 (\$58,750)

PHOENIX ACTIVE MANAGEMENT AREA Groundwater Withdrawal Information

Year		2021	2022	2023	2024	2025	2026
WMAP	Fee	\$0.25	\$0.25	\$0.25	\$0.30	\$0.35	Max. \$2.00
	Collected	\$189,539	\$206,495	\$162,030	\$229,462	N/A	
Admin & Enforcement	Fee	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	Min. \$0.50 Max. \$1.00
	Collected	\$381,806	\$412,991	\$324,060	\$327,803	N/A	
Water Bank	Fee	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50
	Collected	\$1,909,032	\$2,064,955	\$1,620,704	\$1,639,014	N/A	
Total	Fee	\$3.25	\$3.25	\$3.25	\$3.30	\$3.35	TBD
	Collected*	\$2,743,231	\$2,906,467	\$2,350,958	\$2,418,368	N/A	

*In addition to WMAP, Admin & Enforcement and Water Bank, amount includes late fees, recovery wells fee, and Water Quality Fund fee

Current Projects being funded WMAP:

PROJECT NAME	CONTRACTOR	TOTAL FUNDING	REMAINING FUNDING	CONTRACT ENDS
Arizona Project WET	University of Arizona	\$75,000	\$60,000	7/31/2026
Residential Water Use	City of Phoenix	\$139,000	\$139,000	2/28/2027
Smartscape Professional Landscape Training	University of Arizona	\$112,861	\$112,861	8/30/2027
Water Conservation Management Program (WCMP)	Buckeye Valley Natural Resources Conservation District (NRCD)	\$216,000	\$33,000	12/31/2025
Gilbert Smart Irrigation Controller Rebate Program	Town of Gilbert	\$45,000	\$6,000	12/31/2025

10/23/2025

Phoenix GUAC

Current Projects being funded Groundwater Conservation Grant Projects:

PROJECT NAME	CONTRACTOR	TOTAL FUNDING	REMAINING FUNDING	CONTRACT ENDS
Using Project-Based STEM Education to Enhance Groundwater Conservation in Maricopa County Schools	University of Arizona – Arizona Project WET	\$195,855	\$0	Completed
Northern Avenue Lateral Surface Water Capacity Restoration	Maricopa Water District	\$251,500	\$0	Completed
El Mirage Water Conservation Program	City of El Mirage	\$150,000	\$15,000	1/19/2026
Pecan to New Magma Reclaim Water Line	EPCOR Water	\$250,000	\$110,000	Terminated
Leak Detection Equipment Replacement	Arizona Water Company	\$60,000	\$0 (\$6,000 WMAP)	3/31/2026

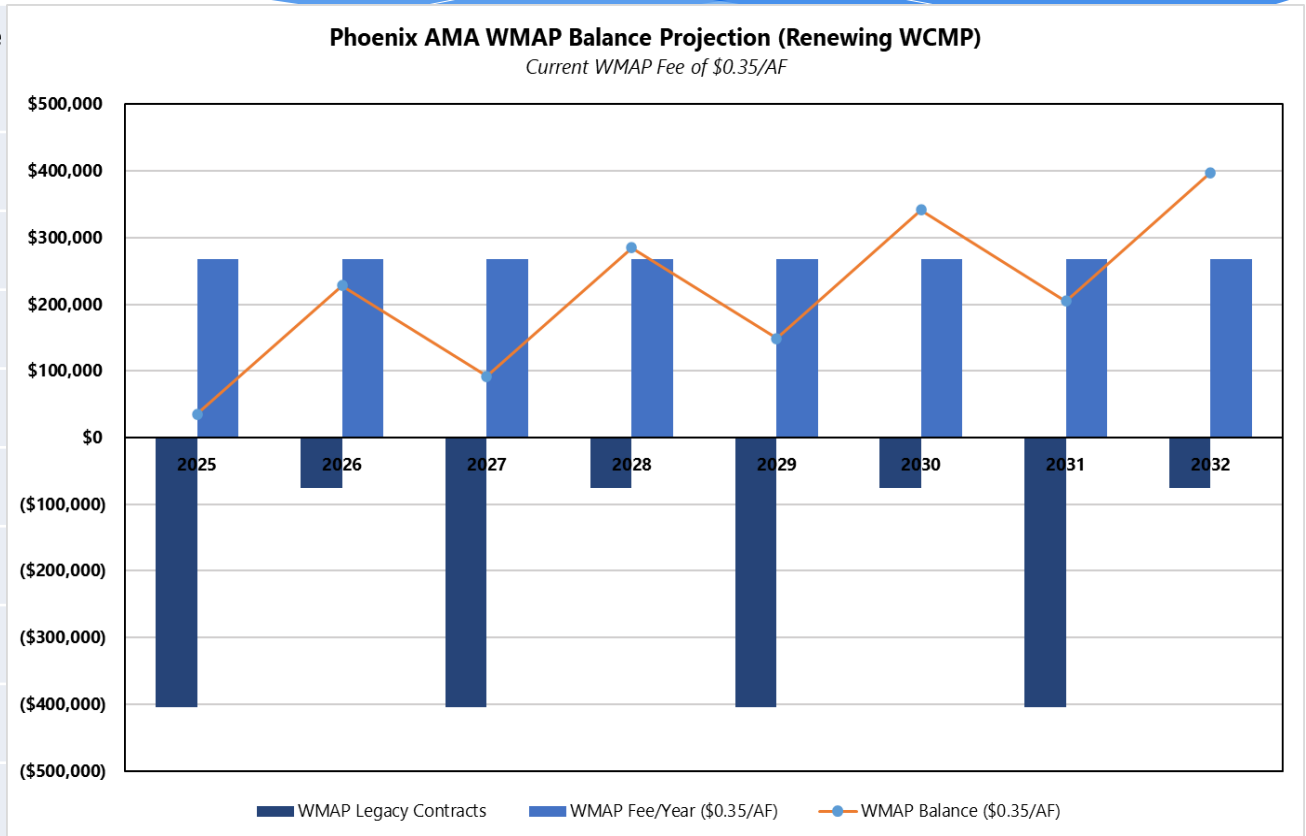
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Phoenix GUAC

PHOENIX ACTIVE MANAGEMENT AREA

WMAP FEE Projections \$0.35:

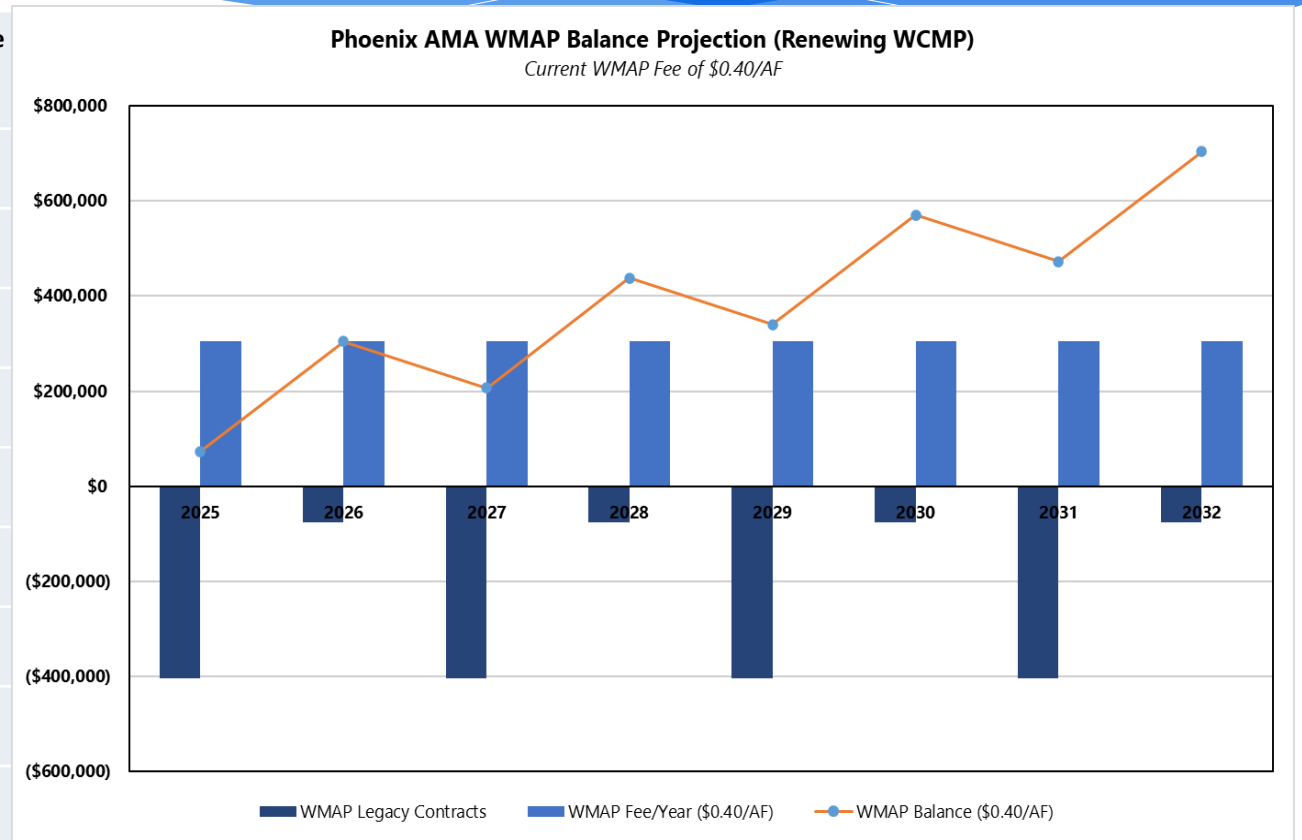
Year	WMAP Fee/AF	WMAP Fee/Year	Cost of WMAP Legacy Contracts	WMAP Balance (not renewing WCMP)	WMAP Balance (Renewing WCMP)
2024	\$0.30	\$229,462	(\$75,000.00)	\$387,611	\$171,611
2025	\$0.35	\$267,706	(\$403,861.00)	\$251,456	\$35,456
2026	\$0.35	\$267,706	(\$75,000.00)	\$444,161	\$228,161
2027	\$0.35	\$267,706	(\$403,861.00)	\$308,006	\$92,006
2028	\$0.35	\$267,706	(\$75,000.00)	\$500,712	\$284,712
2029	\$0.35	\$267,706	(\$403,861.00)	\$364,556	\$148,556
2030	\$0.35	\$267,706	(\$75,000.00)	\$557,262	\$341,262
2031	\$0.35	\$267,706	(\$403,861.00)	\$421,107	\$205,107
2032	\$0.35	\$267,706	(\$75,000.00)	\$613,812	\$397,812



PHOENIX ACTIVE MANAGEMENT AREA

WMAP FEE Projections \$0.40:

Year	WMAP Fee/AF	WMAP Fee/Year	Cost of WMAP Legacy Contracts	WMAP Balance (not renewing WCMP)	WMAP Balance (Renewing WCMP)
2024	\$0.30	\$229,462	(\$75,000.00)	\$387,611	\$171,611
2025	\$0.40	\$305,949	(\$403,861.00)	\$289,699	\$73,699
2026	\$0.40	\$305,949	(\$75,000.00)	\$520,649	\$304,649
2027	\$0.40	\$305,949	(\$403,861.00)	\$422,737	\$206,737
2028	\$0.40	\$305,949	(\$75,000.00)	\$653,686	\$437,686
2029	\$0.40	\$305,949	(\$403,861.00)	\$555,775	\$339,775
2030	\$0.40	\$305,949	(\$75,000.00)	\$786,724	\$570,724
2031	\$0.40	\$305,949	(\$403,861.00)	\$688,812	\$472,812
2032	\$0.40	\$305,949	(\$75,000.00)	\$919,762	\$703,762



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WATER CONSERVATION
MANAGEMENT PROGRAM



*Buckeye
Valley
Natural Resource
Conservation District*



WATER CONSERVATION
MANAGEMENT PROGRAM



The WCMP was originally established in 1991 to provide water users in the Phoenix AMA with technical irrigation services as a tangible benefit from the 1987 pump tax.

Chris Fredman

Over 25 years experience

Certified Landscape Irrigation Auditor

Arizona irrigation contractor



STANDARD IRRIGATION SYSTEM EVALUATION

Assessment of various technical components and managerial strategies of an irrigation system. Ultimately, a determination of the irrigation efficiency is established and when plausible, strategies for improvement are developed and discussed with the grower.



TECHNICAL & Ag BMP SERVICES

Services are designed to aid growers with a specific aspect of irrigation water management. Technical requests include flow rate measurements, irrigation scheduling, and Ag BMP enrollment.



PROMOTIONAL & OUTREACH ACTIVITIES

An attempt to reach the public as well as maintain contact with past and future cooperators. Activities include workshops, speaking engagements, public events, newsletters, live social media interviews, and a program web site.



PROGRAM BENEFITS

Cooperator Estimates

- Affecting approximately 21,420 acres on average, per year
- Conserved approximately 89,693 acre-feet of water since 2013, averaging 8,153 acre-feet per year
- Benefiting roughly 22,000 households, equating to over 85,000 individuals each year



COOPERATOR RESPONSES

“Thank you, I have literally saved half of my annual water use on my alfalfa as a result of working with you and the WCMP”

“knowing the uniformity of our sprinkler has helped us make changes to become more efficient and the crop has improved”

“Thanks Chris, I just used these points for a series on wise water use...”



WHEAT

Historical Consumptive Use

Water management directly impacts the success of any crop but especially wheat and other small grains. Scheduling irrigation events to occur when the crop and soil require it is key to maximizing irrigation efficiency and crop production. There are approximately six critical crop growth stages when the crop should not be under any water related stress to maximize crop production and quality: the 5 leaf stage, 2 nodes, pre-boot, heading/flowering, milk, and soft dough. Although these are good rules of thumb, there are several other factors that influence when an irrigation event should occur to maximize crop production, quality, and irrigation efficiency. Determining the active root zone, the soil moisture content within the active root zone, crop growth stage, and weather conditions should be considered when making irrigation scheduling decisions.

To the right, is a "Mean Consumptive Use Chart" from the University of Arizona that estimates the water requirements for Wheat produced in Arizona. The estimated crop water use is broken down into the first and last half of each month. Divide one of those halves, for a given month, by 15 to determine an estimated daily water requirement. Once a daily requirement has been established, take half of the water holding capacity of a field and divide it by the daily water requirement. The result is a rough estimation of how many days you have between irrigation events to avoid water related crop stress. Again, *this is a rough estimate*. It does not take into consideration weather or soil conditions.

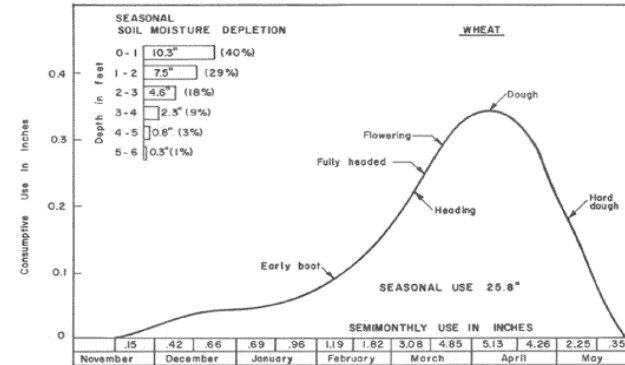


Figure 14.—Mean consumptive use for high-yielding wheats at Mesa, AZ, 1969-70.

The WCMP is available to assist with irrigation scheduling, interpreting consumptive use charts, determining water holding capacities, and many other technical irrigation services to help you become as efficient as possible. Call the WCMP today!!

WCMP SERVICES

- ❖ Irrigation System Performance Evaluations
- ❖ Flow Rate Measurement
- ❖ Ag BMP Enrollment
- ❖ Irrigation Scheduling Assistance
- ❖ Topographic Survey
- ❖ Soil Texture & Water Holding Capacity Identification
- ❖ Root Depth Determination
- ❖ Field & Set Size Measurement

The WCMP provides irrigation services that help improve irrigation efficiency and save you money. Through a cooperative effort between the Buckeye Valley Natural Resource Conservation District and the Arizona Department of Water Resources, the WCMP is a free irrigation management services program helping to sustain production agriculture in the Phoenix AMA. The WCMP provides water measurement, slope determination, irrigation scheduling assistance, irrigation system evaluations, pump, and practical recommendations to help improve irrigation efficiency.

Call today to experience the value of the WCMP 480.466.2968

**Call the WCMP today!
480.466.2968**



Ag BMP Workshop





NRCS Intern IWM Training Workshop

Arizona Farm Bureau –
Instagram Live
“Talk to a Farmer;
Water Conservation”



• Standard Irrigation System Evaluation Report – 1st Page

Surface Irrigation Evaluation Summary Sheet			
			Eval No: <u> </u>
Irrigation Goal: <u>Refill the root zone</u>		Date: <u> </u>	
FIELD INFORMATION:			
Length(ft): <u>1145</u>	Width (ft): <u>1200</u>	Set Width (ft): <u>87</u>	
Field Size (ac): <u>31.5</u>	Set Area (ac): <u>2.3</u>	Crop: <u>rye grass</u>	
Grade (ft/100ft): <u>0.40</u>	Side Grade (ft/100ft): <u>0</u>	Field ID #: <u> </u>	
WATER SOURCE:			
Supply Source: <u>IDD</u>		\$ per acre foot: <u>\$54.00</u>	
SOILS INFORMATION:			
Primary Soil Series: <u>Laveen Sandy Loam</u>	Texture: <u>FSL</u>		
Average AWHC*** for a 3 root zone: <u>4.8</u>		acre-inches	
Leaching Needs: <u> </u>		acre-inches	
Average Amount to Refill Root Zone: <u>4.0</u>		acre-inches	
Total Amount Needed: <u>4.0</u>		acre-inches	
Other Soil Info: <u> </u>			
IRRIGATION INFORMATION:			
Irrigation System: <u>Graded Border</u>		Furrows / Borders per set: <u>2</u>	
Flow Rate: <u>400</u> Miner's Inches	Miner's Inches (amount ordered) <u>350</u>		
(measured) <u>10.0</u> Cubic Feet per Second			
<u>4500</u> Gallons Per Minute			
Field Time (hrs): <u>24</u>	Total Depth Applied: <u>7.61</u> acre inches	Runoff(initial)*: <u>15%</u>	
Amount Infiltrated: (amount applied - amount of runoff)	<u>6.47</u> acre inches	Runoff (avail)**: <u>15%</u>	
*Initial runoff is estimated or measured tailwater leaving the field.			
**Available runoff assumes a 15% loss, due to seepage and evaporation, from the initial amount.			
***AWHC - Available Water Holding Capacity			
****Water Beneficially Used = Total Amount Needed + Assumed Reused Runoff			
RESULTS:			
Application Efficiency (AE) = Total Amount Needed / Total Depth Applied			
AE = 53%			
Irrigation Efficiency (IE) = Water Beneficially Used**** / Total Depth Applied			
IE = 62%			

2025 – 2026 Fiscal Year

- 25 Standard Irrigation System Evaluations
- 5 Technical/BMP Services
- 2 Outreach/Promotional Activities





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MANAGEMENT PROGRAM



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ADWR Water Management Assistant Program

Smart Irrigation Controller Rebate Program

Phoenix AMA GUAC Meeting: September
16, 2025

gilbert





Gilbert's Water Sources



Colorado River Water



Salt & Verde Supplies



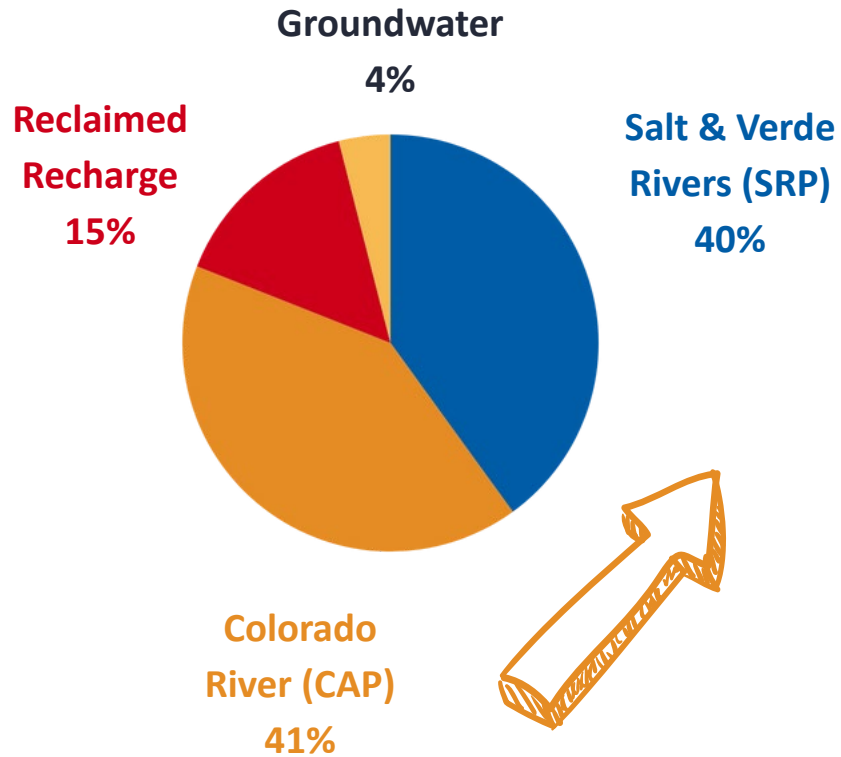
Groundwater



Reclaimed Water

Gilbert's Water Supply

Potable Water Supply

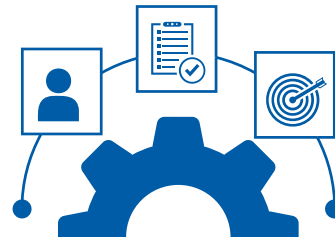


Colorado River Water Tier 1 Shortage

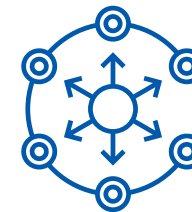
Gilbert is currently in Stage 1: Water Education



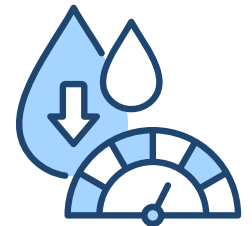
Strategy for Water Resiliency



Operational Resilience Efforts



Sustainable Water Portfolio



Conservation Efforts



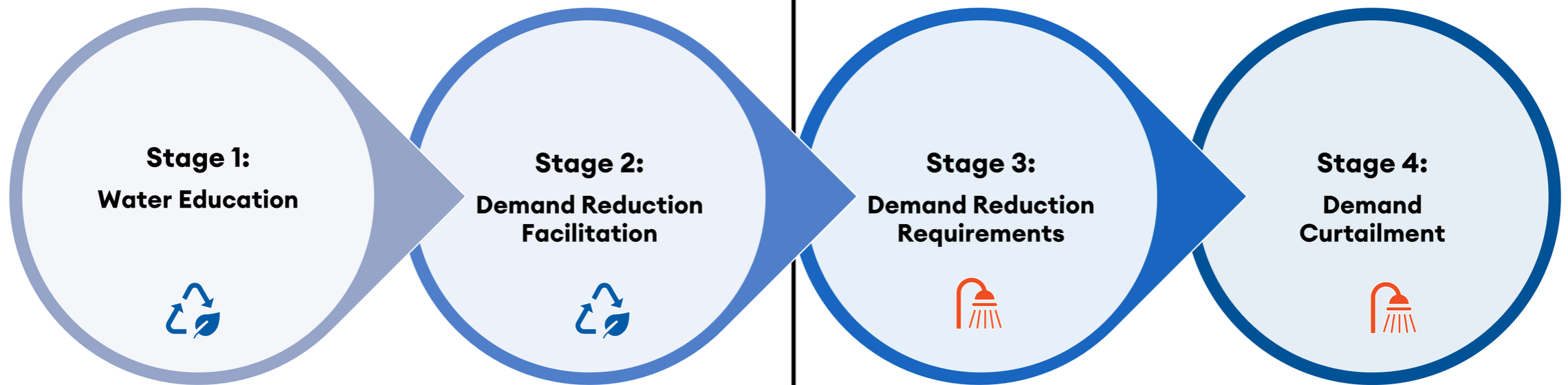
The B.L.U.F

The Colorado River is still producing less water than ever before due to decades of severe drought, a hotter and drier climate, and the long-term imbalance between supply and demand.

Even with favorable hydrology, one good year of snowpack and runoff will not replace what over 20 years of drought have done to Lake Mead and Powell elevation levels.

The Town of Gilbert will continue to strategize to reduce water usage through critical problem solving, planning, and community engagement by utilizing the [Water Supply Reduction Management Plan.](#)

Water Supply Reduction Management Plan



Protect Renewable Supply

- Responses match the mildness of the situation
- Support desire to be a good steward through education and incentives

Protect Physical Supply

- Responses match severity of the situation
- Maintains balance as supplies are reduced



Delivering water and power™

- **In 2021**, Gilbert teamed up with SRP to Pilot a Smart Irrigation Controller “program.”
- **100 Smart** Controllers were installed and programmed to residents in Gilbert to determine potential water savings.
- **Smart Controller** pre and post consumption analysis resulted in an annual average water savings of 23,542 gallons per household.



Smart Irrigation Pilot Program

Proposal for Project Funding

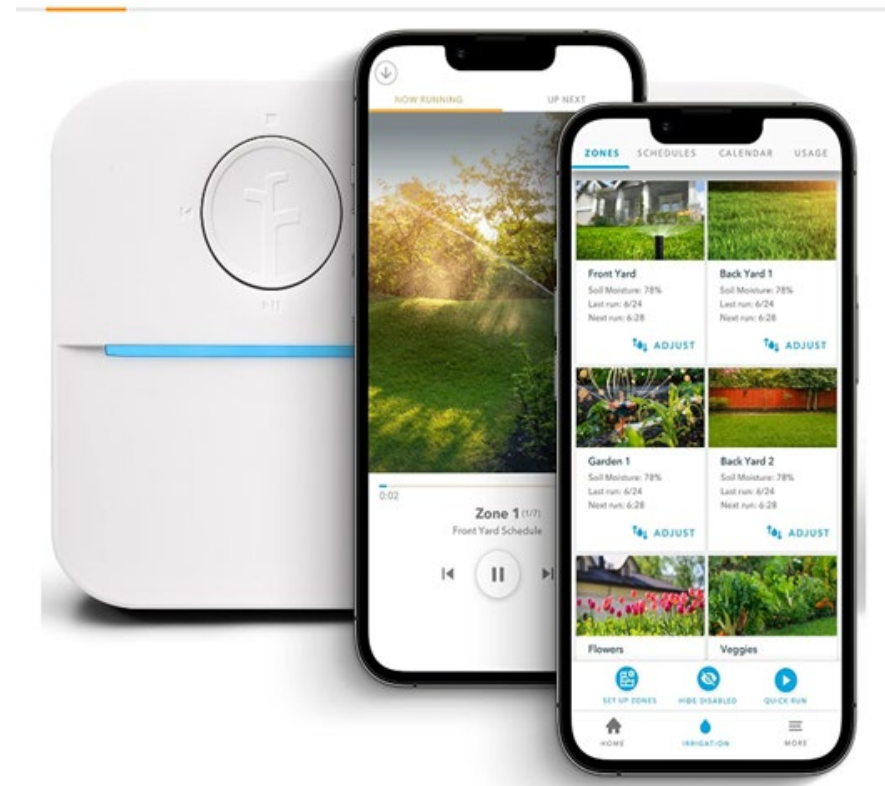


- **Residential customers** can receive up to \$250 per household, once.
- **Non-residential** can receive up to \$400 per site, up to two times.
- **Smart Controllers** can prevent overwatering, which can reduce the risk of water runoff and erosion.
- **Water and cost** savings seen through pre and post smart controller installation.

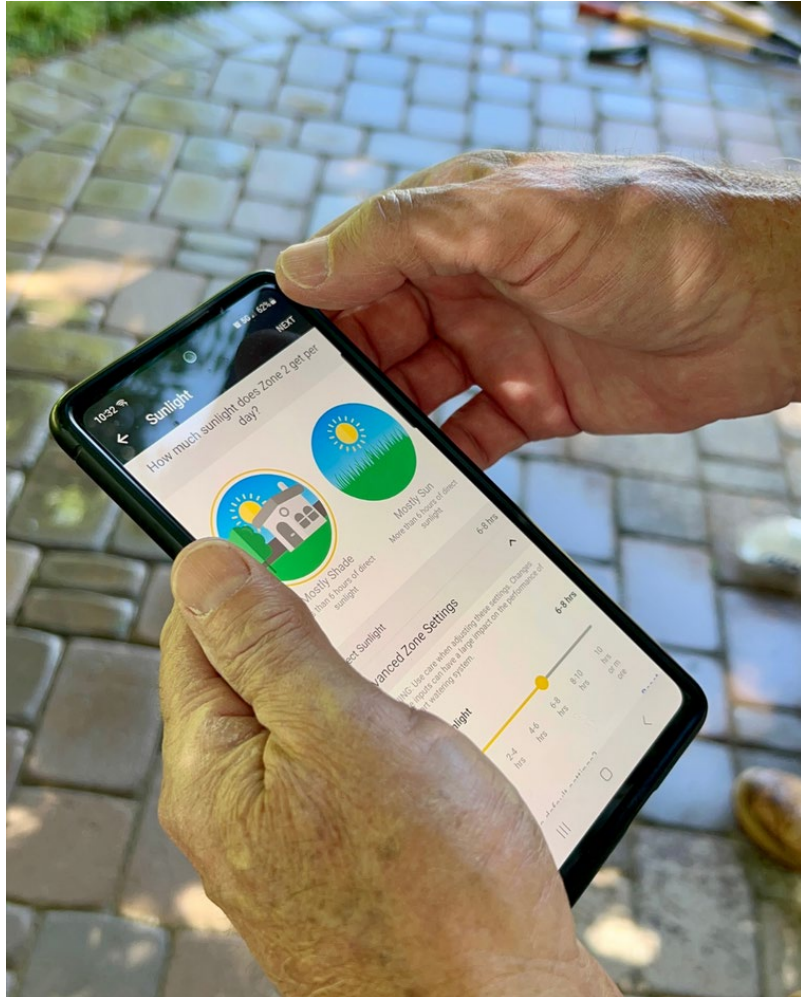


Smart Irrigation Controller Rebate Program

Year	Approved Rebates	Rebate Funding Awarded	Estimated Water Savings (gallons)
2022	63	\$11,009	1,483,146
2023	294	\$44,298	6,921,348
2024	251	\$35,856	5,909,042
2025	157	\$23,711	3,696,094
Total	765	\$114,874	18,009,630



Smart Controller Outreach and Messaging




📣 **Seasonal Campaigns:** We deliver targeted outreach during peak irrigation months, using newsletters, social media, and utility bill inserts to educate residents and businesses on the water-saving benefits of smart controllers.


🏠 **Workshops & Events:** Our team hosts in-person and virtual sessions—including Water Efficiency Checkups and landscape classes—to demonstrate how smart technology reduces waste and supports sustainable landscaping.

🤝 **Partnerships & Incentives:** We collaborate with HOAs, commercial property managers, and local businesses to promote controller upgrades, supported by rebate programs and tailored guidance from our conservation staff.


Smart Controller Education

Workshops cover smart controller setup and highlight key water-saving benefits.

 **Weather-Based Adjustments:** These controllers use real-time weather data—like rainfall, temperature, and humidity—to automatically adjust watering schedules, preventing overwatering during cooler or rainy periods.

 **Precision Scheduling:** Unlike traditional timers, smart controllers water only when needed and at optimal times (like early morning), reducing evaporation and runoff.

 **Soil and Plant Sensitivity:** Many systems monitor soil moisture or plant type, tailoring irrigation to actual landscape needs rather than a fixed schedule.

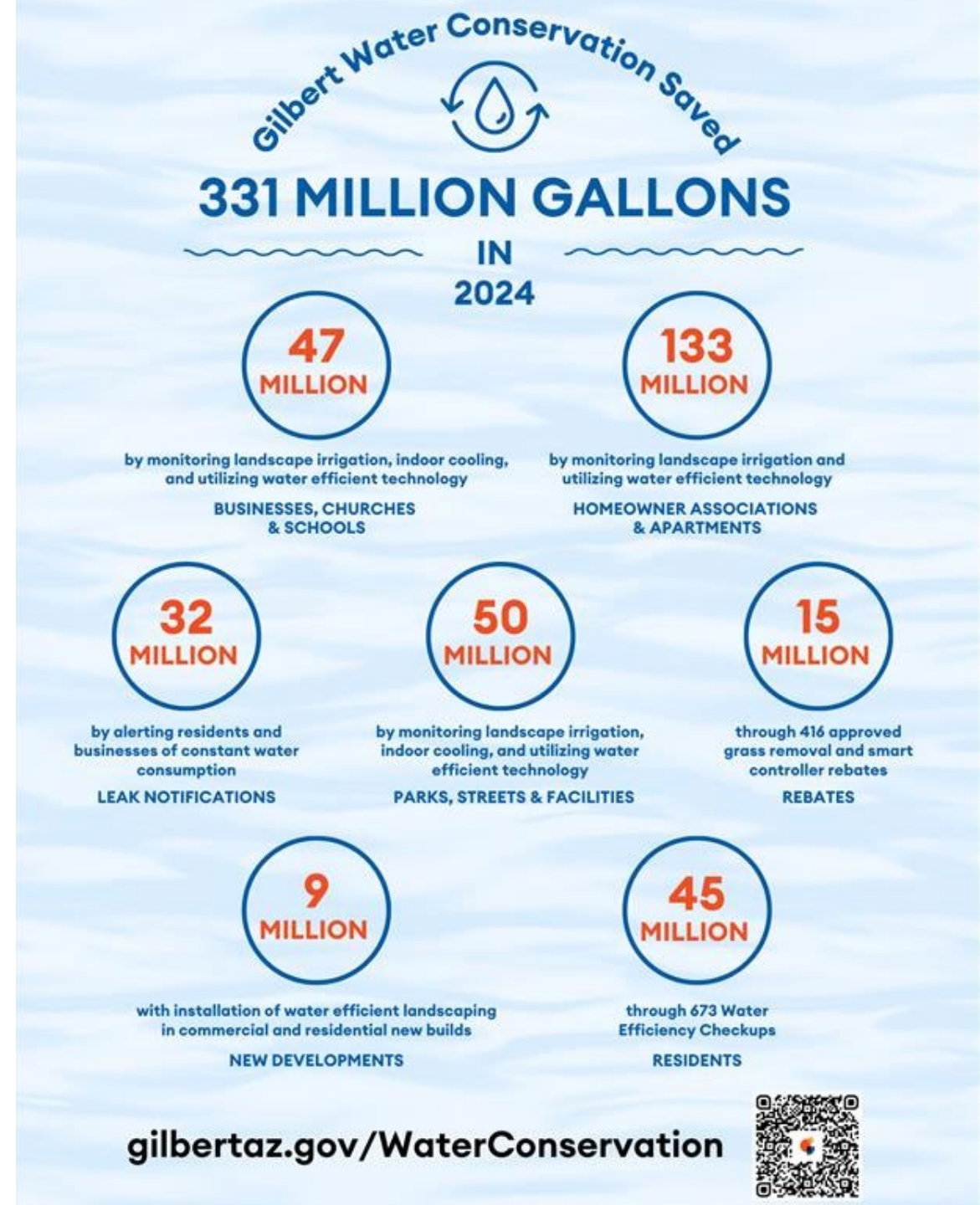
 **Remote Monitoring & Alerts:** Users can manage watering from their phone or computer, receive leak alerts, and make quick adjustments—saving water and catching issues early.

Criteria for Evaluation

- Reduces outdoor demand
- 5th Phoenix AMA Management Plan
- Benefits residents, HOAs and other commercial organizations
- Funds would extend the program for an additional two years; **reach 600 potential customers**
- Each household can potentially reduce their outdoor irrigation use by **23,542 per year**




2024 Water Conservation Scorecard

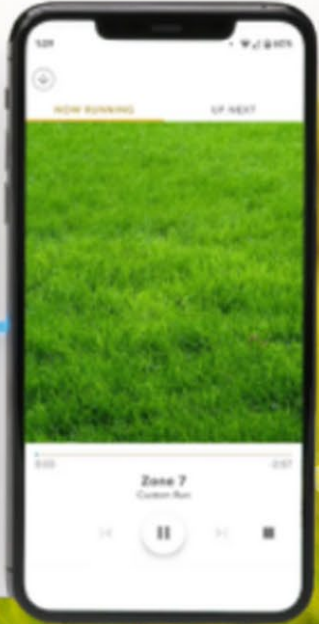




Thank You



Jeremiah Churchill
Water Resources and
Conservation Coordinator
Jeremiah.churchill@gilbertaz.gov



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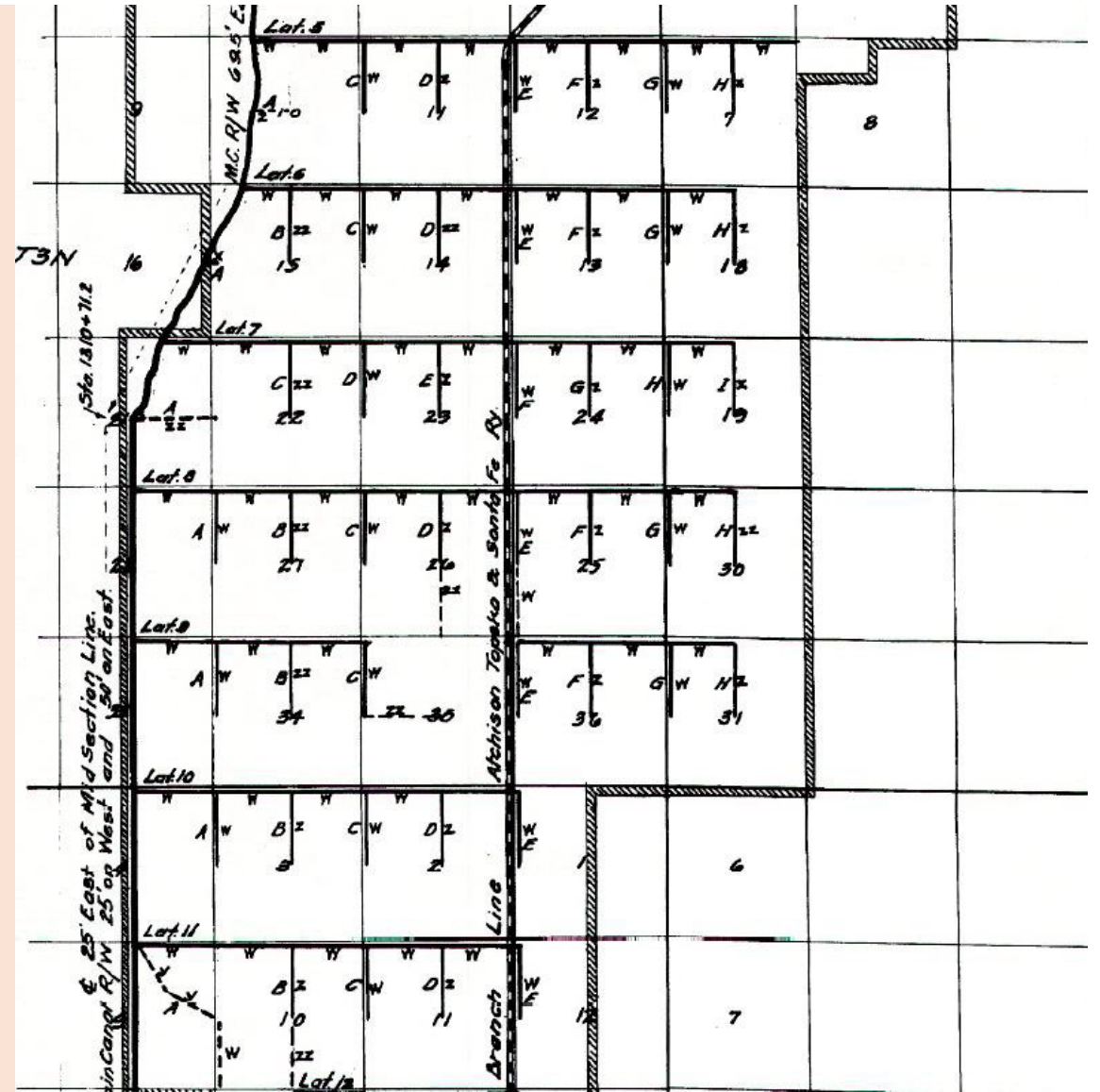
11. Adjournment – Chair



Northern Avenue Lateral Surface Water Capacity Restoration

Drought Contingency Plan - Groundwater
Conservation Grant No. 2020-3115

Dr. Andrew Fraser, PhD
District Engineer
Maricopa Water District

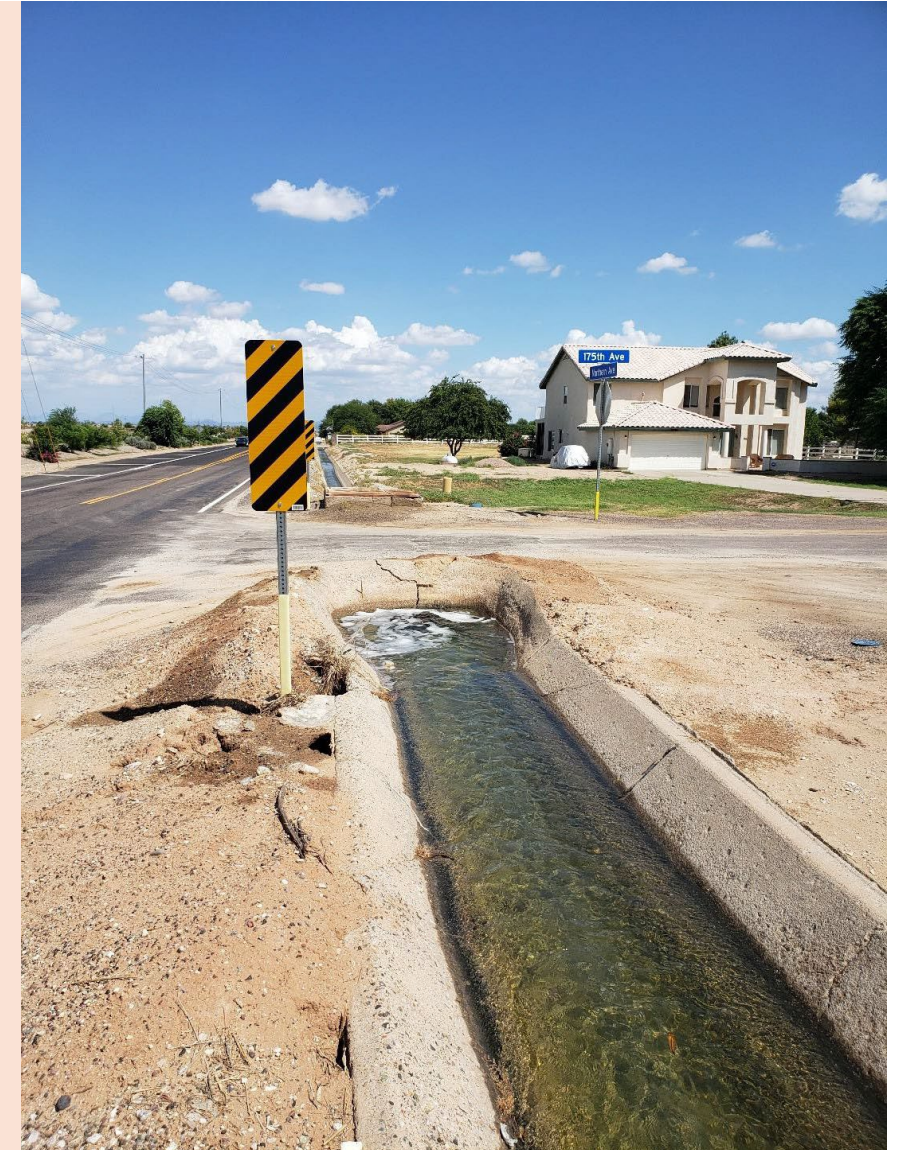


Background

- Maricopa County Municipal Water Conservation District No. 1 (MWD) is an irrigation district located in northwest Maricopa County serving approximately 60 sq. miles.
- Many areas within the district are still served by MWD's original delivery system consisting of concrete lined ditches and culverts
- Aging and deteriorated areas of this system resulted in significant capacity constraints
- The Northern Avenue Lateral was operating at 60% of the original capacity due to deteriorated culverts at roadway crossings
- The loss in capacity resulted in the increased reliance on groundwater to meet water demands along the Northern Avenue Lateral

Project Scope and Objectives

- In 2019, MWD identified six culverts along Northern Avenue that were constraining surface water delivery capacity.
- These existing culverts were corrugated metal pipes that had been crushed or otherwise degraded over the years
- Prior to the grant, MWD replaced the first culvert at Northern Avenue and 185th Avenue
- Grant funding was sought to accelerate the replacement timeline for the remaining 5 culverts.
- **Objective: Replace existing culverts to restore surface water delivery capacity and reduce the reliance on groundwater sourced from MWD's well located at Northern Ave. and Citrus Rd.**



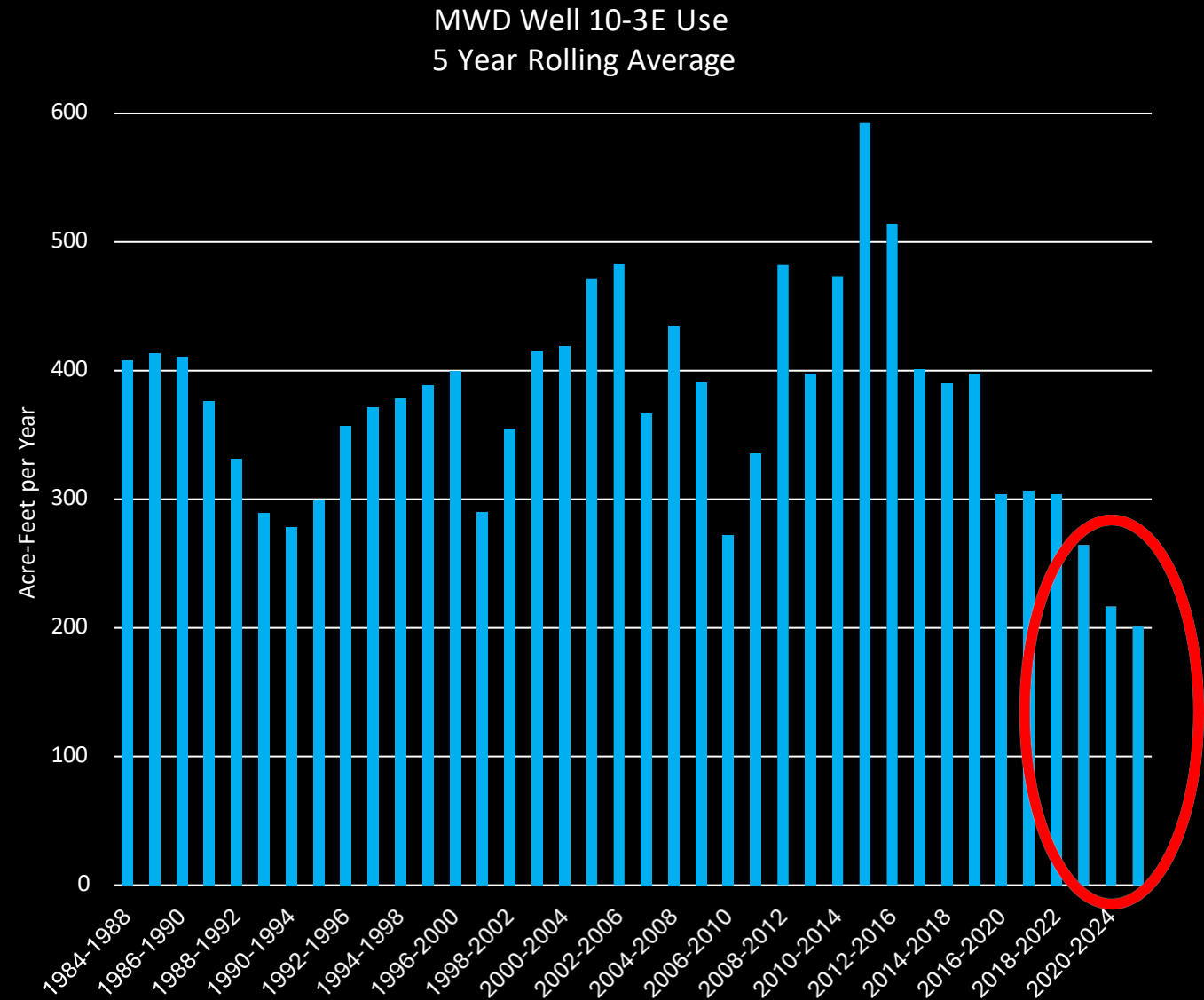
Construction

- Construction began in Q4 of 2022 and continued through Q3 of 2024.
- Each culvert replacement required approximately 1 week of work and full road closures at each intersection.
- The overall project experienced delays due to material availability and utility conflicts.
- Concrete elliptical pipe was selected as the preferred material due to its durability and profile



Results

- Culvert replacement has restored the capacity of the Northern Avenue Lateral close to its original design.
- The increased capacity has allowed MWD to deliver more surface water and rely less on groundwater sourced from MWD Well 10-3E located at Northern Ave. and Citrus Rd.
- 5-Year Rolling Average of Well 10-3E highlights the declining use of a groundwater for demands along Northern Avenue



Conclusion

- Since the initiation of construction in 2022, the five-year rolling average use of Well 10-3E has declined to 200 acre-feet/year (2021-2025) from a five-year rolling average of 300 acre-feet/year in the period preceding culvert replacement (2018-2022).
- MWD estimates that the project has produced direct groundwater savings of 350 Acre-Feet to date.
- In the short- to mid-term, it is estimated that the annual use of Well 10-3E will continue to be around 200 acre-feet/year due to MWD's annual dry-up period and result in an expected groundwater savings of approximately 100 acre-feet/year. This is approximately 170 acre-feet less than the historical average from 1984-2024.
- In the long term, use is expected to continue to fall to around 170-180 acre-feet/year for savings of 120-130 acre-feet/year.

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Water Management Assistance Program Fund

Current Balance: \$631,611

Encumbered/committed: \$356,861 (+\$216,000 for WCMP)

Remaining Balance: \$274,750 (\$58,750)

PHOENIX ACTIVE MANAGEMENT AREA Groundwater Withdrawal Information

Year		2021	2022	2023	2024	2025	2026
WMAP	Fee	\$0.25	\$0.25	\$0.25	\$0.30	\$0.35	Max. \$2.00
	Collected	\$189,539	\$206,495	\$162,030	\$229,462	N/A	
Admin & Enforcement	Fee	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	Min. \$0.50 Max. \$1.00
	Collected	\$381,806	\$412,991	\$324,060	\$327,803	N/A	
Water Bank	Fee	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50
	Collected	\$1,909,032	\$2,064,955	\$1,620,704	\$1,639,014	N/A	
Total	Fee	\$3.25	\$3.25	\$3.25	\$3.30	\$3.35	TBD
	Collected*	\$2,743,231	\$2,906,467	\$2,350,958	\$2,418,368	N/A	

*In addition to WMAP, Admin & Enforcement and Water Bank, amount includes late fees, recovery wells fee, and Water Quality Fund fee

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