



Water Services Department Water Services Update





Water Services Update Agenda

- Goodyear Water Service Overview
- Elevated Total Trihalomethanes (TTHM) levels
- Colorado River System Capacity
- Designation of Assured Water Supply (DAWS) Modification
- Water Allocation Ordinance & Path Forward





Water Services Update Agenda

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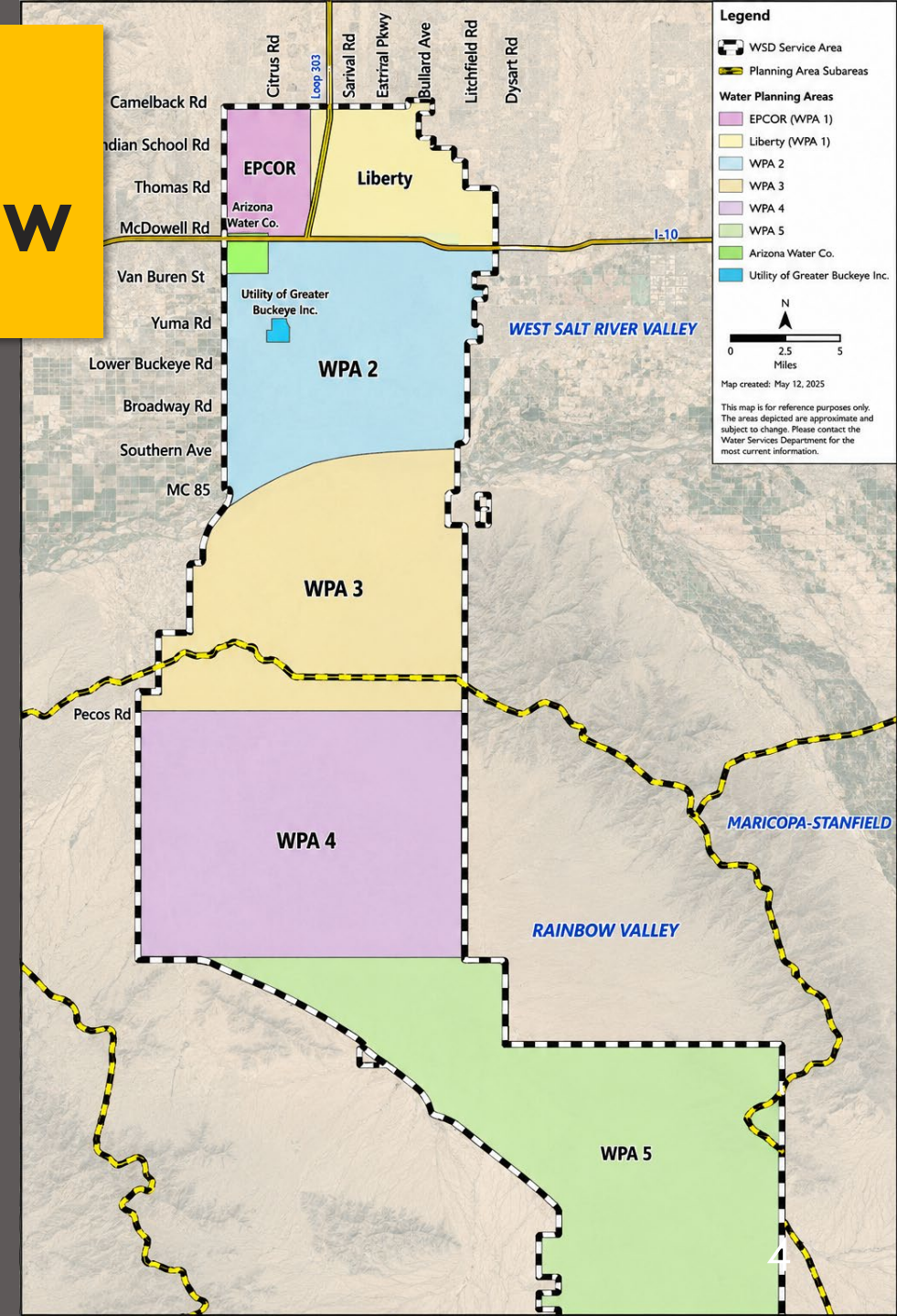


Water Services Update

Goodyear Water Service Overview

Water Planning Areas

- Private providers
 - EPCOR
 - Liberty Utilities
 - Arizona Water Company
- City is Provider

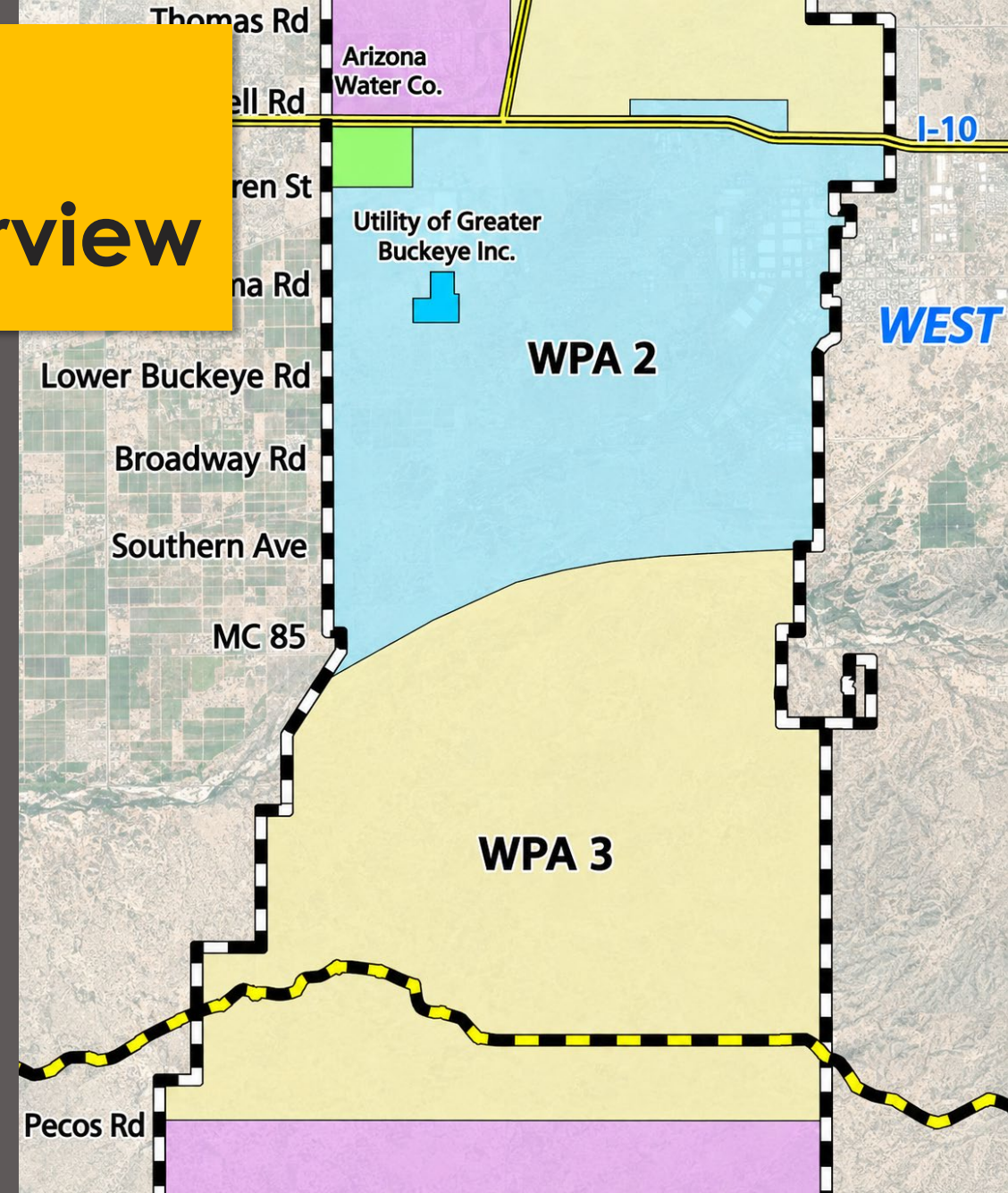


Water Services Update

Goodyear Water Service Overview

City Water Services Areas

- Designation
- Areas of Growth

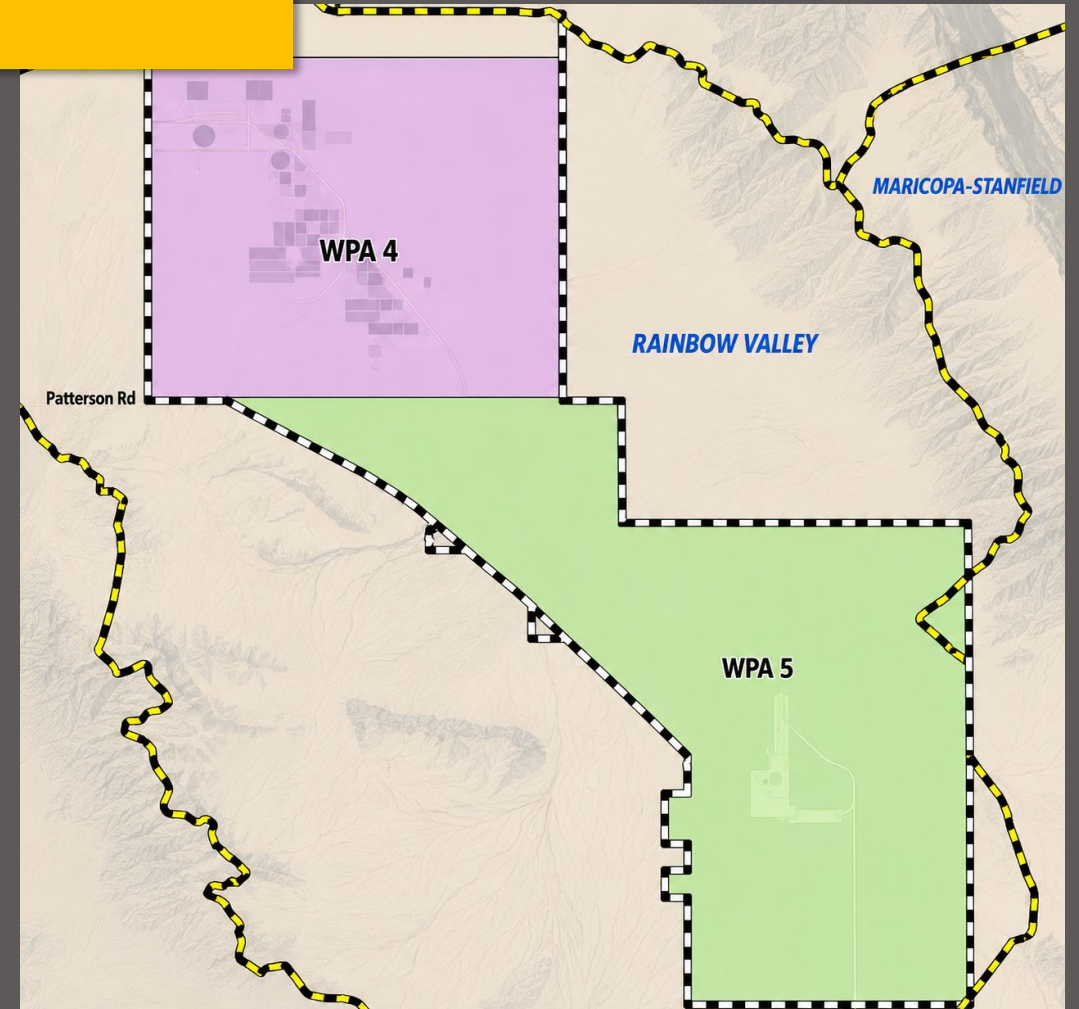


Water Services Update

Goodyear Water Service Overview

Southern Areas of City

- Provider Options
- Development Projects
 - Estrella
 - Rainbow Valley Ranch
 - Terrasante
 - Estrella Highlands



Water Services Update

Goodyear Water Service Overview



Water Treatment

- Groundwater
 - Total dissolved solids
 - Arsenic
 - Nitrates
 - Disinfection

Water Services Update

Goodyear Water Service Overview

Water Treatment

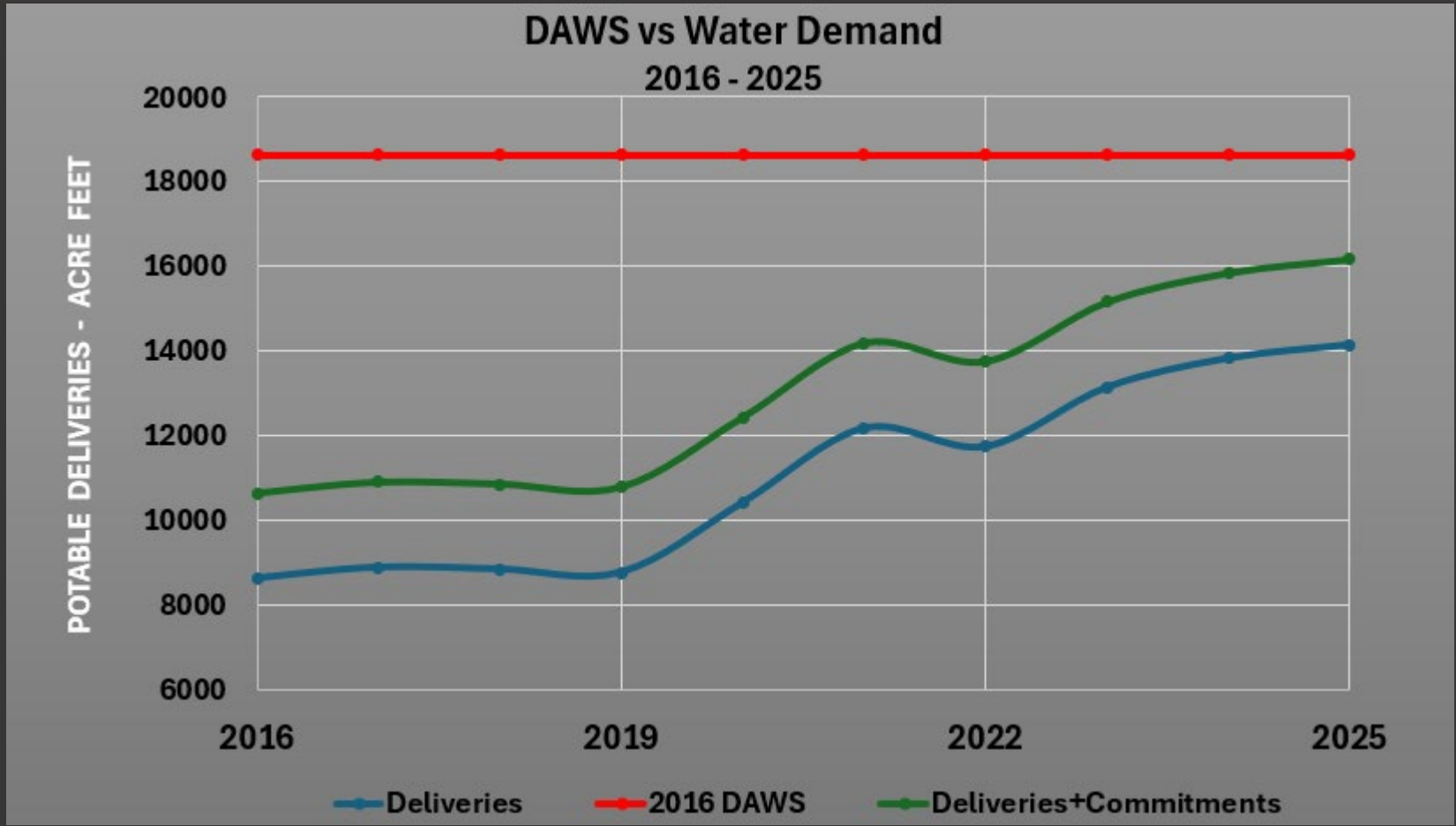
- Surface Water
 - Suspended solids
 - Arsenic
 - Taste & odor
 - Disinfection





Water Services Update

Goodyear Water Service Overview





Water Services Update

Goodyear Water Service Overview

Addressing Growth

- Key Capital Projects
 - Wells 24 and 26
 - Reverse Osmosis expansions
 - Surface Water Treatment Facility
 - 157th Water Reclamation Facility
 - Rainbow Valley Water Reclamation Facility





Goodyear Water Services Questions



Water Services Update Agenda

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Water Services Update Elevated TTHM Levels



What is TTHM?

- **Can form in water over time**
 - Groundwater
 - Surface water
- **Monitoring**
 - Regular testing
 - Running annual average

Water Services Update Elevated TTHM Levels

TTHM Level Exceedances

- 2nd quarter (May 2026)
- 3rd quarter (Sept 2026)

Factors

- Source Water Quality
- Time/Water age
- Temperature

Water Services Update Elevated TTHM Levels

Water Quality

- **Not an emergency**
- **Safe to drink**
- **No action needed**

CITY OF
Goodyear

Public, Fee, and Tax Notices

Search

OUR CITY

GOVERNMENT

Is my drinking water safe to use?

Yes. This is not an emergency, and your water remains safe to drink and use as normal. If the water is ever unsafe to drink for any reason, the city would notify customers within 24 hours. No immediate corrective action is required by customers.

Do I need to boil my water, buy bottled water or install a filtration system?

No. This is not a boil-water notice, and customers do not need to boil water, buy bottled water or install a filtration system because of this notice.

Water Services Update Elevated TTHM Levels

Short-term

- Operational changes
- Purchased portable Granular Activated Carbon (GAC) Treatment vessels

Maricopa County consent order

Longer-term

- Full scale permanent solution





Elevated TTHM Levels

Questions



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Water Services Update

Colorado River System Capacity

- **Colorado River Basin**
 - Upper Basin States
 - Lower Basin States
- **1922 Colorado River Compact**
- **Prolonged Drought**
 - Lake Powell
 - Lake Mead



Water Services Update

Colorado River System Capacity



- **2007 Interim Guidelines**
 - Defined Pool Elevations
 - Upheld 1922 Compact
- **Drought Contingency Plan**
 - 2019 – 2021
 - 2022 AZ takes first cut
 - 2024 to present

Water Services Update Colorado River System Capacity

- **Draft Environmental Impact Statement (EIS) - January 2026**
 - Lower Basin – 7%-44% reductions
 - Upper Basin – 0% reductions
- **Final EIS - July 2026**
 - 10-year operational framework
 - 2-year operating intervals



Water Services Update

Colorado River System Capacity



- Record of Decision – August 2026
- Lower Basin – 1.25 MAF Reduction
- Arizona Impact
 - 760,000 AF / year reduction
 - Additional 250,000 AF / year reduction
- Goodyear Impact
 - 14% reduction in CAP deliveries
 - Increased reliance on groundwater



Water Services Update Colorado River System Capacity

Goodyear Portfolio – Scenario #1

- **5% Growth capped at build-out**
- **2027-2028**
 - 14% reduction in CAP deliveries
- **2029-2050**
 - 35% reduction in CAP deliveries
 - Advanced Water Purification (AWP) in 2036



Water Services Update Colorado River System Capacity

Goodyear Portfolio – Scenario #1

	2026	2027	2028	2029	2030	2035	2040	2045	2050
Estimated Demands	16,263	17,076	17,930	18,826	19,768	25,229	26,355	26,355	26,355
Supplies:									
→ CAP - Municipal & Industrial	10,742	9,238	9,238	6,982	6,982	6,982	6,982	6,982	6,982
→ CAP - Gila River Indian Community	7,000	6,020	6,020	4,550	4,550	4,550	4,550	4,550	4,550
→ Arizona Water Bank	0	301	301	752	752	752	752	752	752
→ Reclaimed Water	3,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
→ West Salt River Valley Groundwater	0	0	0	0	0	2000	2000	2000	2000
→ Rainbow Valley Groundwater	0	0	0	0	0	274	274	274	274
→ Advanced Water Purification	0	0	0	0	0	2,400	4,480	4,480	4,480
→ Longterm Storage Credit Balance	109,923	114,406	118,035	117,493	116,009	106,636	99,062	92,479	85,895



Water Services Update Colorado River System Capacity

Goodyear Portfolio – Scenario #2

- **5% Growth capped at build-out**
- **2027-2028**
 - 14% reduction in CAP deliveries
- **2029-2050**
 - 65% reduction in CAP deliveries
 - Advanced Water Purification (AWP) in 2036



Water Services Update Colorado River System Capacity

Goodyear Portfolio – Scenario #2

	2026	2027	2028	2029	2030	2035	2040	2045	2050
Estimated Demands	16,263	17,076	17,930	18,826	19,768	25,229	26,355	26,355	26,355
Supplies:									
CAP - Municipal & Industrial	10,742	9,238	9,238	3,760	3,760	3,760	3,760	3,760	3,760
CAP - Gila River Indian Community	7,000	6,020	6,020	2,450	2,450	2,450	2,450	2,450	2,450
Arizona Water Bank	0	301	301	1,396	1,396	1,396	1,396	1,396	1,396
Reclaimed Water	3,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
West Salt River Valley Groundwater	0	0	0	0	0	2000	4000	6000	6000
Rainbow Valley Groundwater	0	0	0	0	0	274	274	274	274
Advanced Water Purification	0	0	0	0	0	2,400	4,480	4,480	4,480
Longterm Storage Credit Balance	109,923	114,406	118,035	112,814	106,652	73,886	52,919	34,943	24,966



Water Services Update Colorado River System Capacity

Moving Forward

- **Augmentation**
 - Agreements
 - Advanced Water Purification
 - Desalination
- **Legislative Support**





Colorado River System Capacity

Questions



Water Services Update Agenda

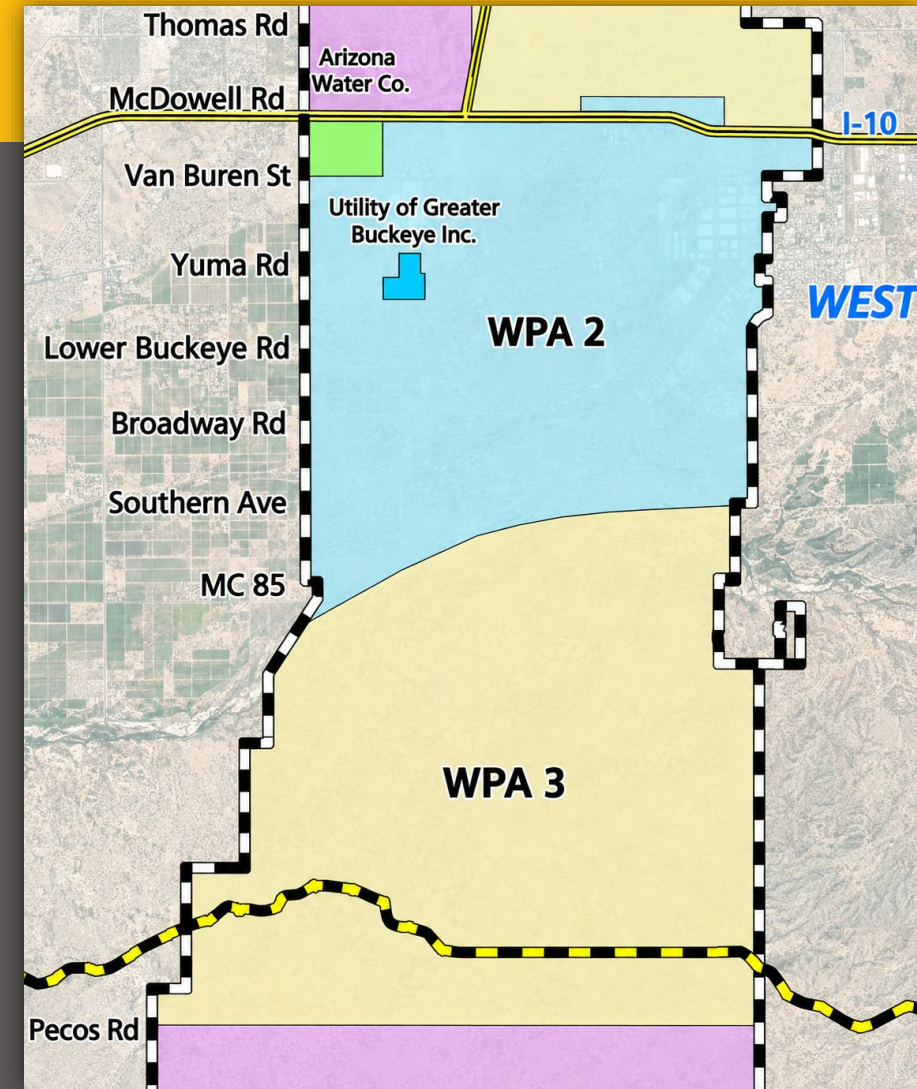
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Water Services Update DAWS Modification

- ADWR administered
- Goodyear DAWS - Expires 2028
- 100-year Assured Water Supply
 - Physical
 - Continuous
 - Legal
 - Water Quality
 - Financial Capability
 - Active Management Area (AMA) Goals





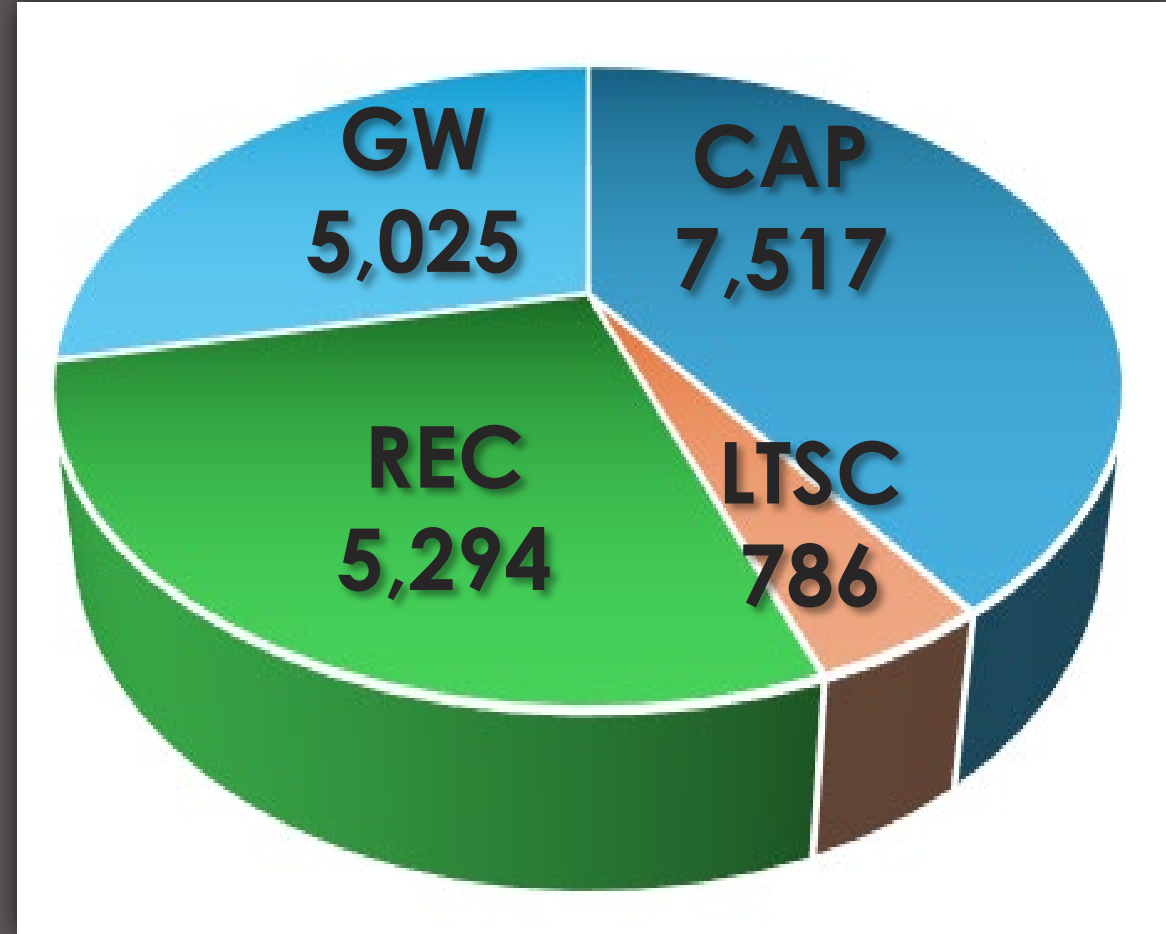
Water Services Update

DAWS Modification

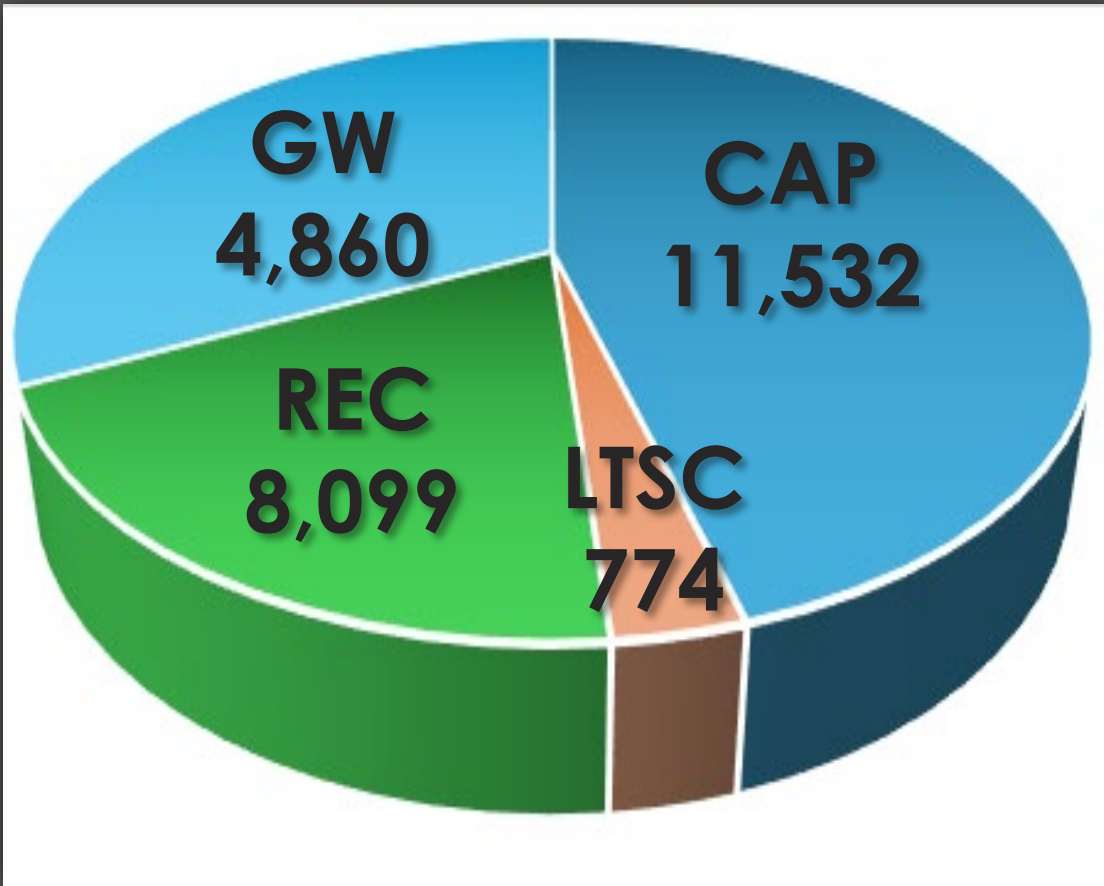
2016 Designation

18,622 acre-ft (AF) per year

- Central Arizona Project (CAP)
- Groundwater (GW)
- Reclaimed/Effluent Water (REC)
- Long Term Storage Credits (LTSC)



Water Services Update DAWS Modification



2026 Designation

25,265 acre-ft (AF) per year

- Central Arizona Project (CAP)
- Groundwater (GW)
- Reclaimed/Effluent Water (REC)
- Long Term Storage Credits (LTSC)

36% increase from 2016 DAWS

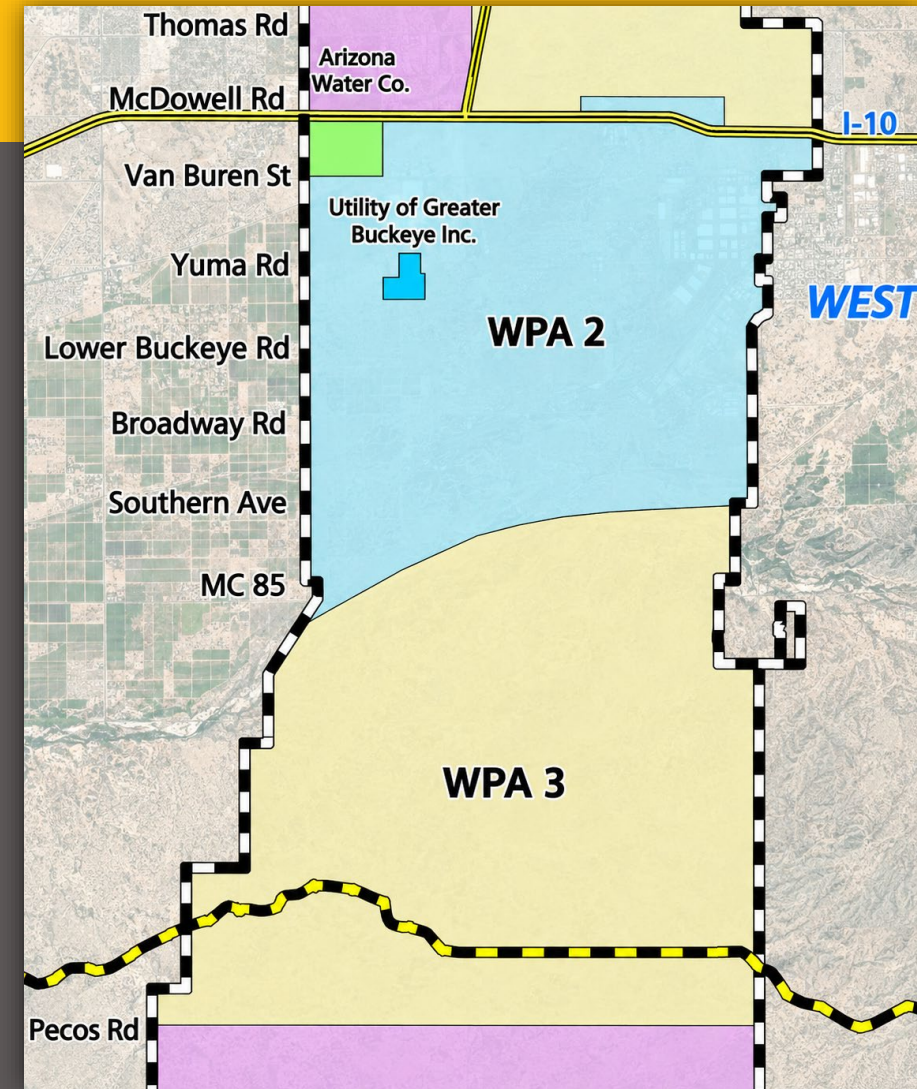
Water Services Update DAWS Modification

■ Supporting City's growth

- Increase portfolio
- Planning areas

■ Timeline

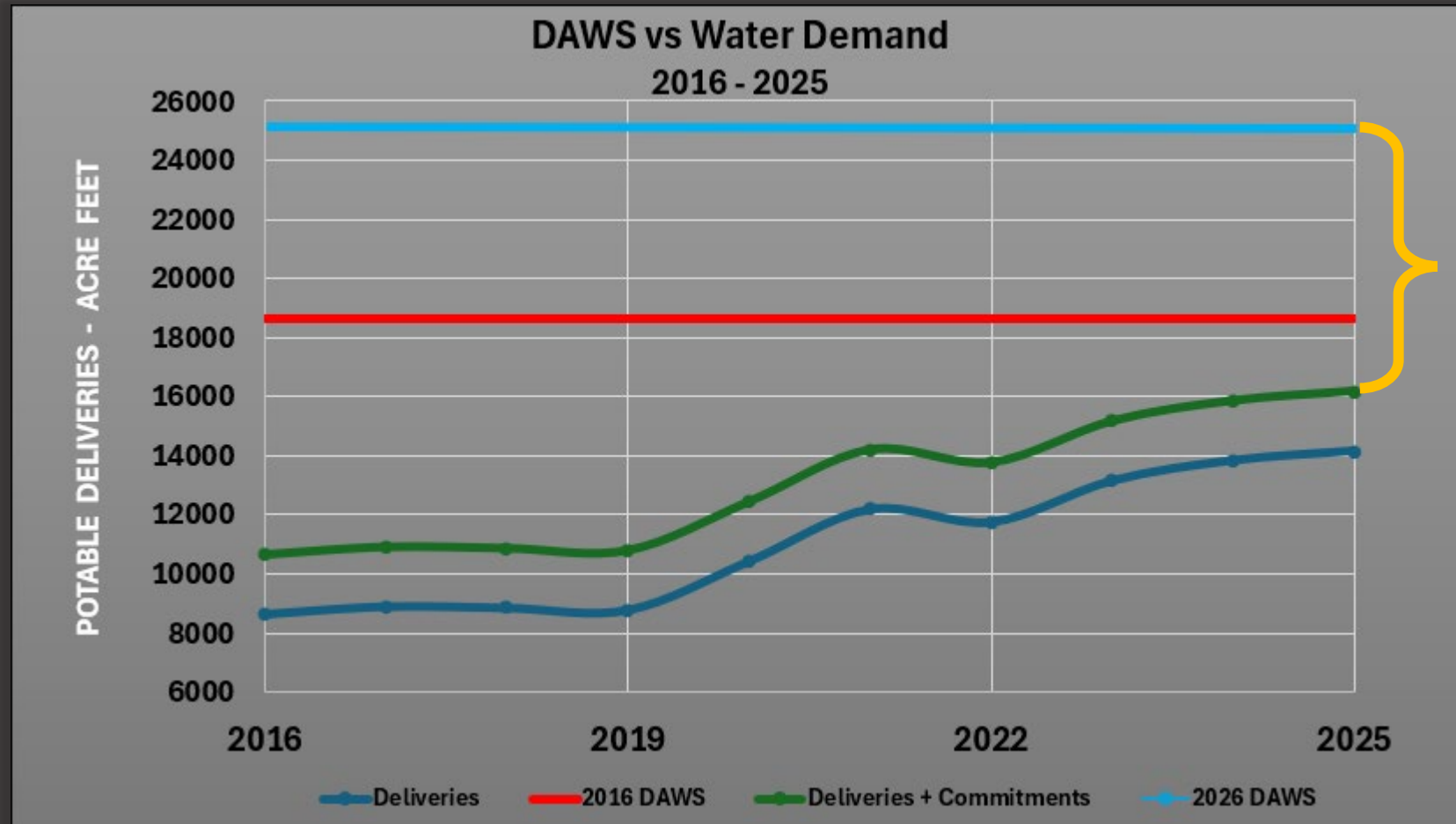
- Application submitted - May 2024
- 1st ADWR letter - June 2024
- 2nd ADWR letter - October 2025
- 3rd ADWR letter - April 2026
- Public Notice - July/August 2026





Water Services Update

DAWS Modification





Designation of Assured Water Supply (DAWS) Modification

Questions



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Water Services Update

Water Allocation Ordinance & Path Forward

- 
- Conservation
 - Augmentation/Agreements
 - Advanced Water Purification
 - Desalination
 - Water allocation policy

Water Services Update

Water Allocation Ordinance & Path Forward

Water Allocation Ordinance

- Adopted policy - May 2025
- Draft enabling ordinance - June 2026
- Additional outreach - Summer 2026
- Council adoption - Oct/Nov 2026



Water Allocation Ordinance & Path Forward

Questions



Water Services Department Water Services Updates

A wide-angle photograph of a desert landscape. In the foreground, there are several tall saguaro cacti and some dry, yellowish-brown shrubs. The middle ground shows rolling hills and mountains with varying shades of brown, tan, and green. The sky is a deep blue with some lighter clouds. A semi-transparent dark grey rectangle is overlaid on the bottom half of the image, containing the text "Discussion & Questions" in white.

Discussion & Questions