Urban Land Institute

Water Wise Development Coalition

Marianne Eppig, Sr. Director of Resilience, ULI

November 19, 2025

Headquartered in Washington, D.C., ULI is an independent and nonpartisan organization singularly focused on impact.

From its establishment in 1936, ULI's fundamental purpose has been to **connect** industry leaders, **inspire** best practices for equitable and sustainable land use, and **lead** in anticipating and addressing challenges facing the urban landscape.

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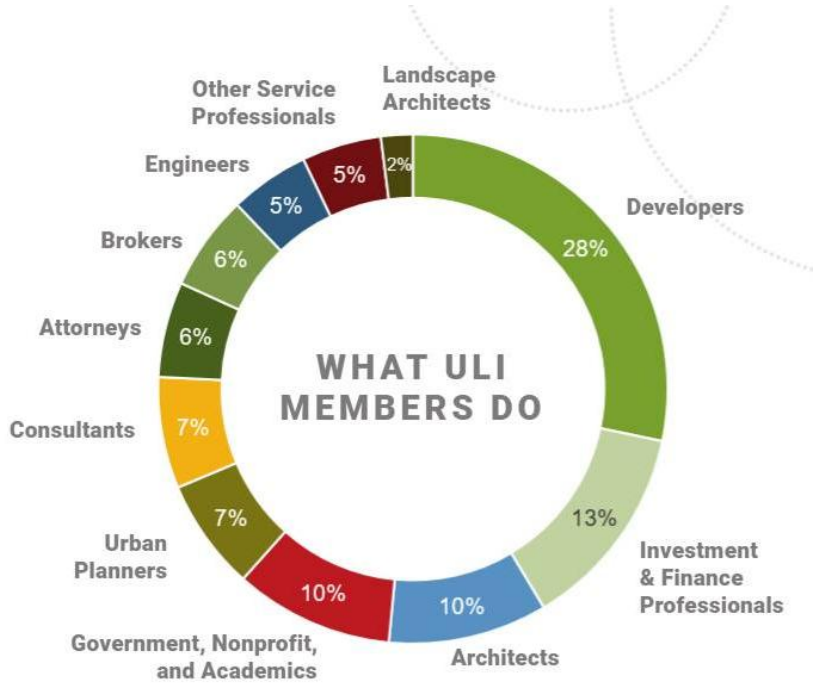
LOCAL IMPACT



70+ District and National Councils worldwide

ULI AMERICAS

58 District Councils

ULI EUROPE

13 National Councils

ULI ASIA PACIFIC

7 National Councils

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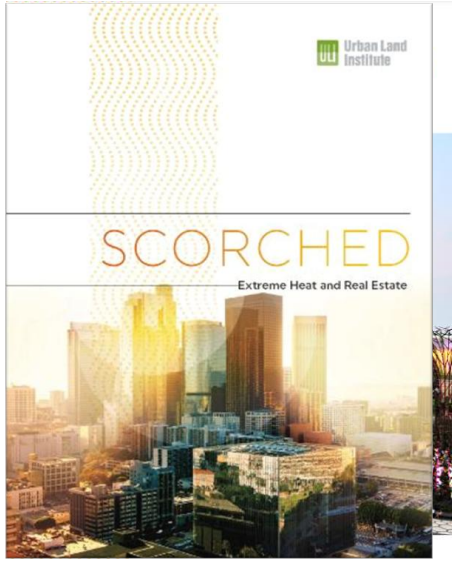
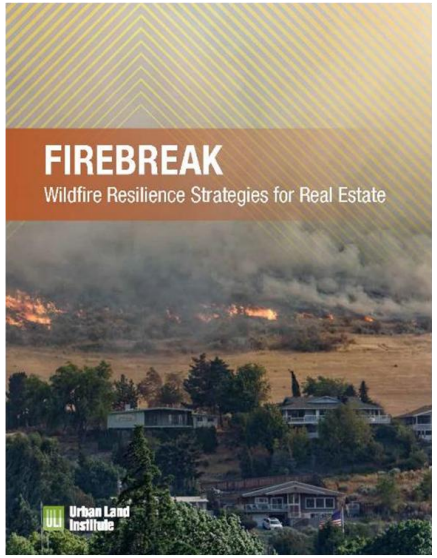
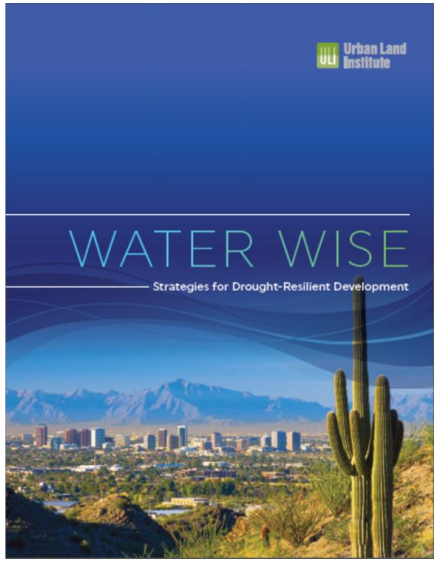
ULI's Urban Resilience Program

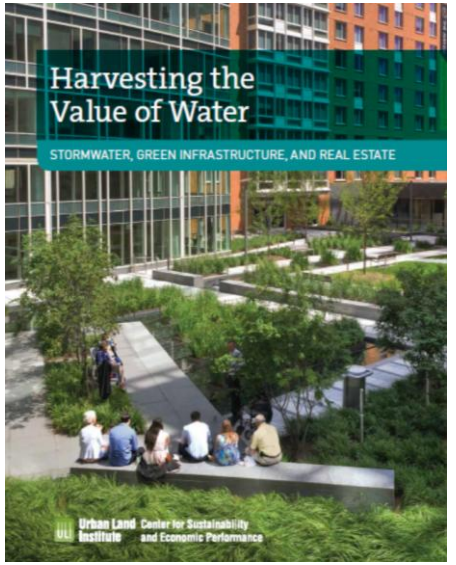
ULI's Urban Resilience program is focused on how buildings, cities, and communities can be more resilient to the impacts of climate change and other environmental vulnerabilities. We do this by:

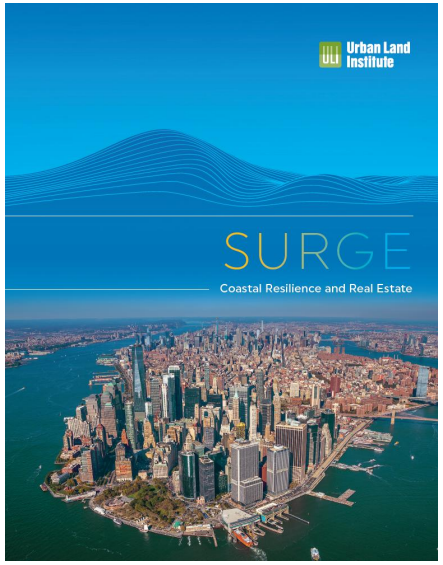
- Advancing industry understanding of resilience
- Cultivating champions for resilience and catalyzing resilience partnerships
- Supporting communities in becoming more climate resilient

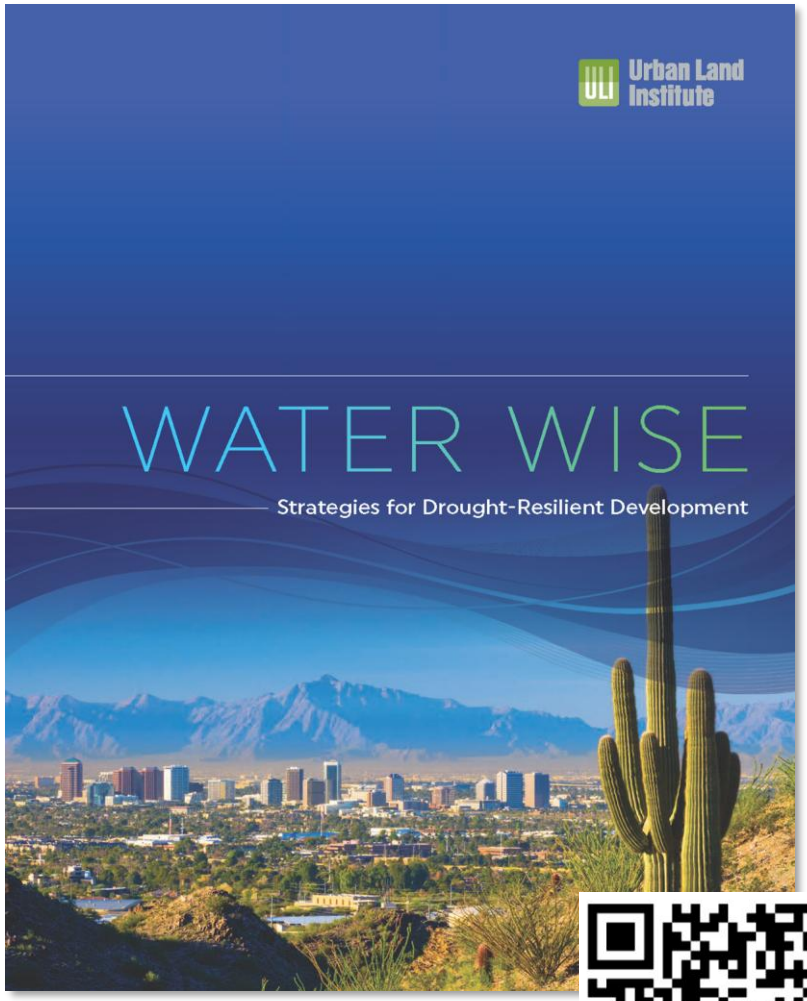












Water Wise Report

From ULI's Urban Resilience Program

Water Wise: Strategies for Drought-Resilient Development introduces the challenges associated with drought and limited freshwater availability and provides best practices for real estate and land use professionals to address them.

- Water-wise policy recommendations included!
- Many case studies!

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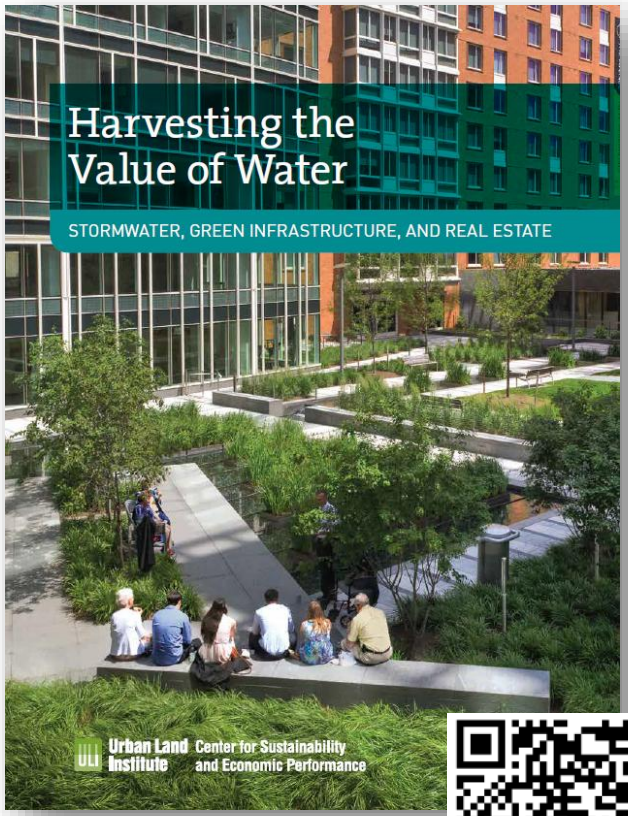
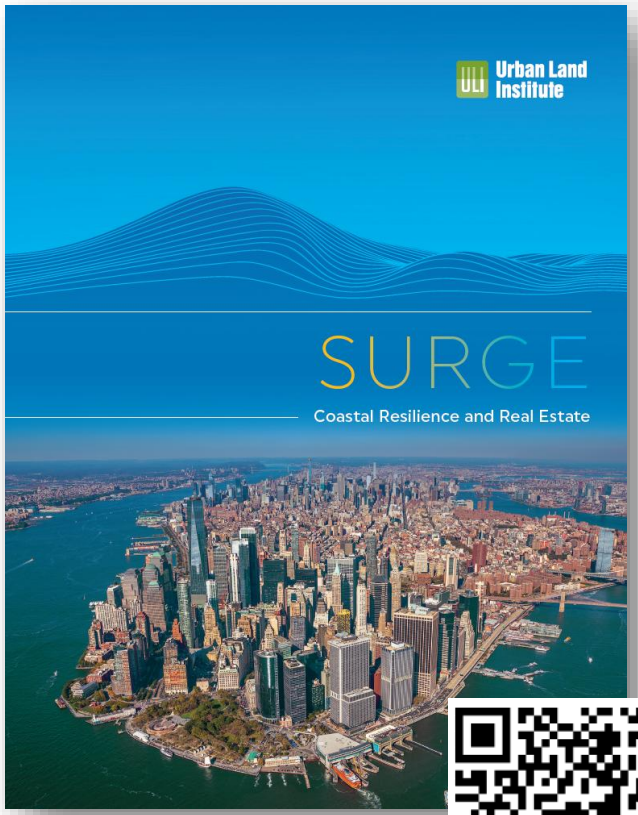
ULI Reports & Resources on Flooding





More ULI resources on flood preparedness:

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Water Wise Development Coalition

Intro for newbies!

- **Who:** ULI, in partnership with the Alliance for Water Efficiency, the Sonoran Institute, and the WaterNow Alliance, is convening land use and real estate professionals with policymakers and decision-makers.
- **What:** Advancing water-smart real estate development and supportive policies.
- **When & Where:** Quarterly virtual meetings.
- **How:** Participants will have a say in meeting topics, speakers, and efforts.

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COLORADO
Colorado Water Conservation Board
Department of Natural Resources

GATES FAMILY FOUNDATION

SONORAN INSTITUTE

Alliance for Water Efficiency

waternow alliance

Agenda

- ULI welcome and introductions (5 minutes)
- Speakers (15 minutes each):
  - **Anne Castle,** senior fellow at the Getches-Wilkinson Center for Natural Resources, Energy, and the Environment at the University of Colorado Law School
  - **John Berggren,** Regional Policy Manager, Healthy Rivers, Western Resource Advocates
  - **Ken Ransford,** Secretary to the Colorado Basin Roundtable, and Ken Ransford, P.C.
  - **Sarah Porter,** Director, Kyl Center for Water Policy at Arizona State University's Morrison Institute for Public Policy
- Group discussion and resource sharing (20 minutes)
- ULI wrap up (5 minutes)

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The Colorado River

Update on Post-2026 Negotiations

Water Wise Development Coalition

November 19, 2025

Anne Castle

Getches-Wilkinson Center, University of Colorado Law School

COLORADO RIVER BASIN

THE BASIC MATH

COLORADO RIVER COMPACT 1922

- River divided equally, sort of, 7.5 MAF to each
- Lower Basin gets 7.5 MAF + 1.0 MAF more
- Upper Basin gets 7.5 MAF, with a big catch
- If deliveries required to Mexico in future, split equally between Upper and Lower Basin

No. 6227

United States of America

DEPARTMENT OF STATE

To whom these presents shall come, Greeting:

I Certify That the document annexed is a true copy of the [illegible] River Compact," signed 24th November, 1922, at the [illegible]anta Fe, New Mexico, the original of which is on file [illegible]partment.

In testimony whereof I, Charles E. Hughes, Secretary of State, have hereunto caused the Seal of the Department of State to be affixed and my name subscribed by the Chief Clerk of the said Department, at the City of Washington, this twenty-second day of December, 1922.

Charles E. Hughes
Secretary of State.
By [illegible]
Chief Clerk.

Compact Language

There is hereby apportioned to the Upper Basin and the Lower Basin, respectively, the exclusive use of 7,500,000 acre-feet of water per annum

The Lower Basin is given the right to increase its use by one million acre-feet per annum

The Upper Basin will not cause the flow of the river at Lee Ferry to be depleted below 75,000,000 acre feet over any period of ten consecutive years

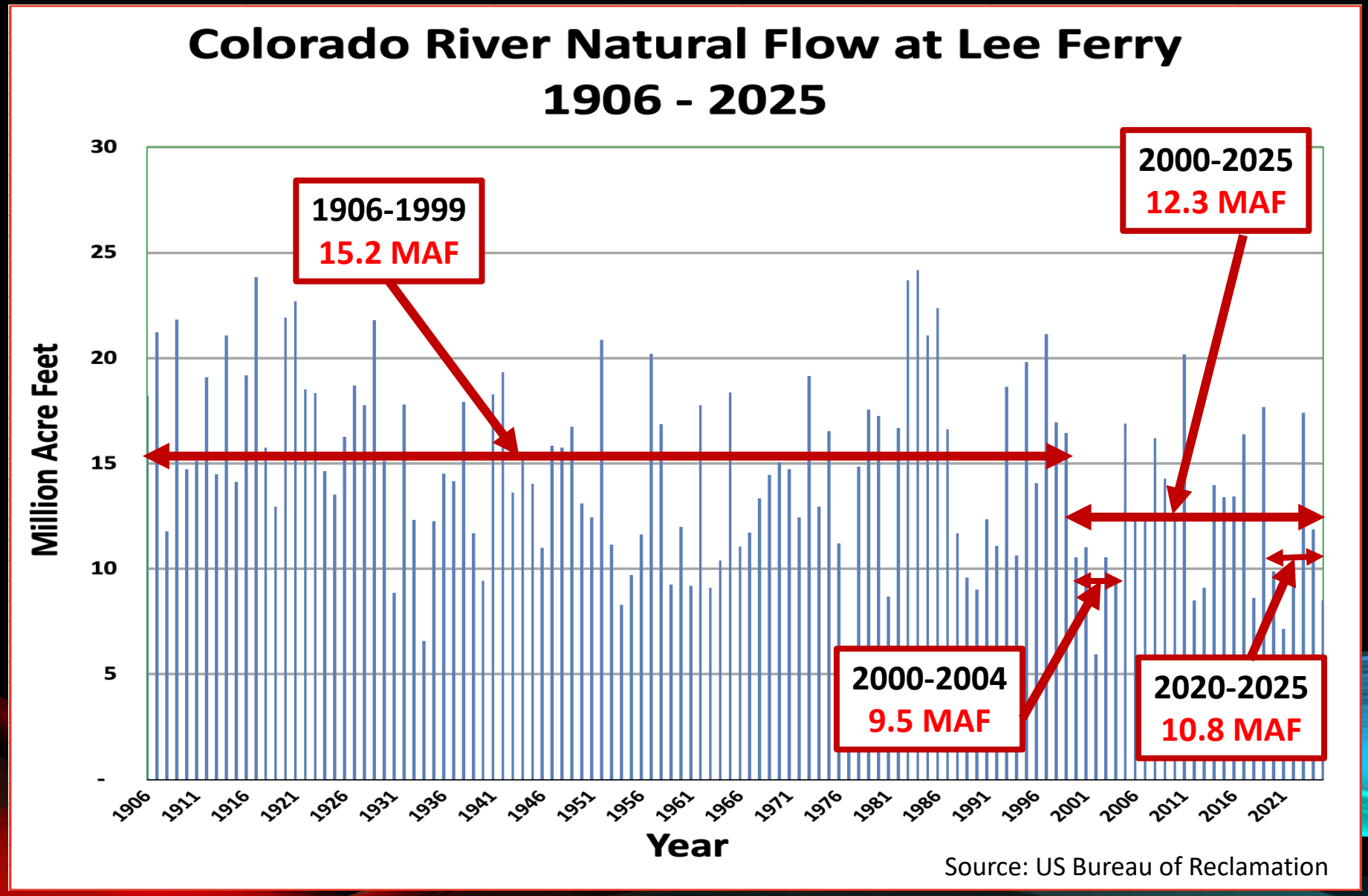
Legal Allocations

1922 Compact
7.5 MAF for Upper Basin
7.5 + 1.0 MAF for Lower Basin

1944 Mexico Treaty
1.5 MAF to Mexico

Compact	16.0 MAF
Treaty with Mexico	1.5
Total	**17.5 MAF**
Add in evaporation	1.5
LEGAL PLUS PHYSICAL	**19.0 MAF**

AVAILABLE SUPPLY



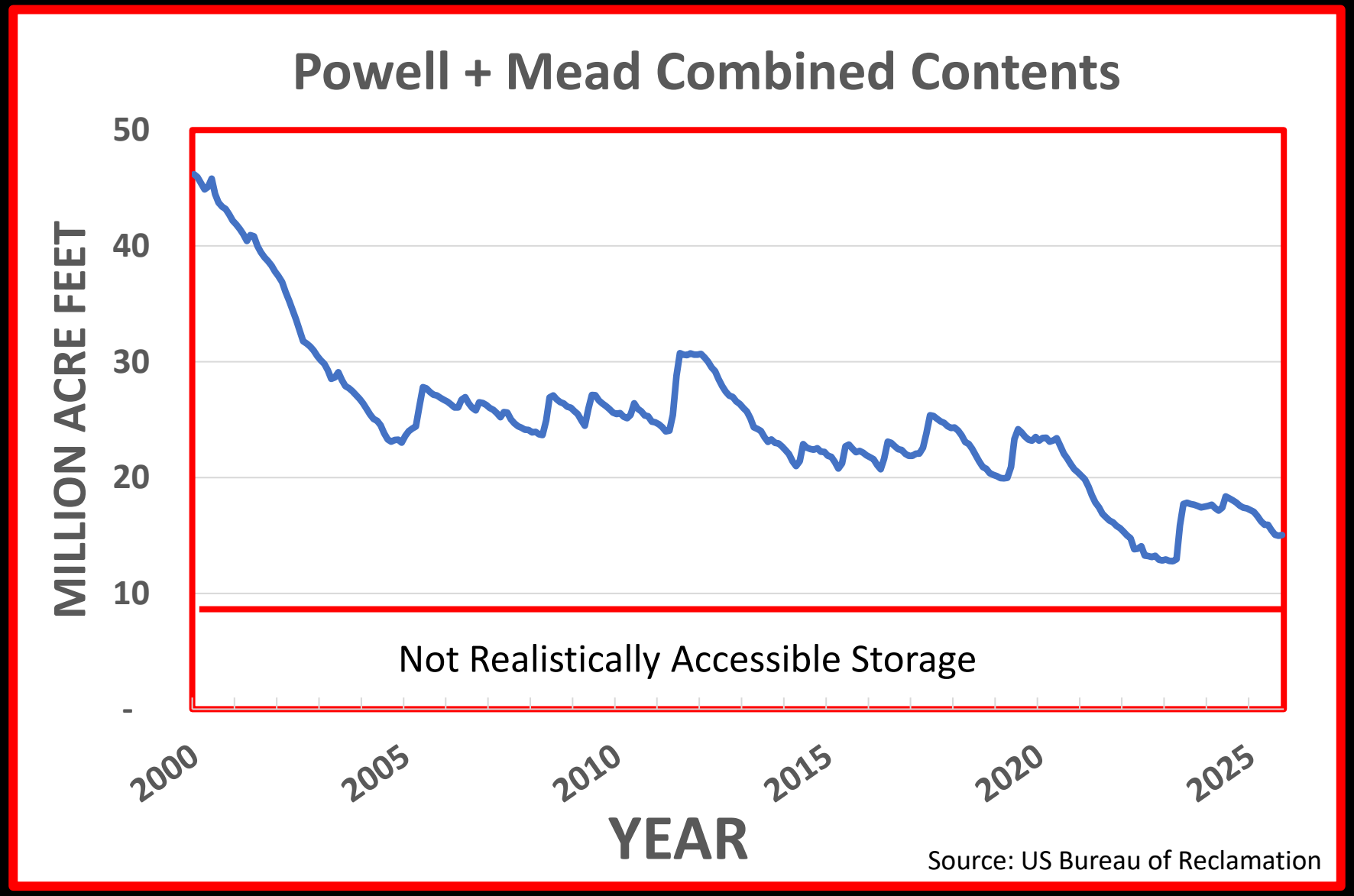
Source: US Bureau of Reclamation

Inflows and Outflows

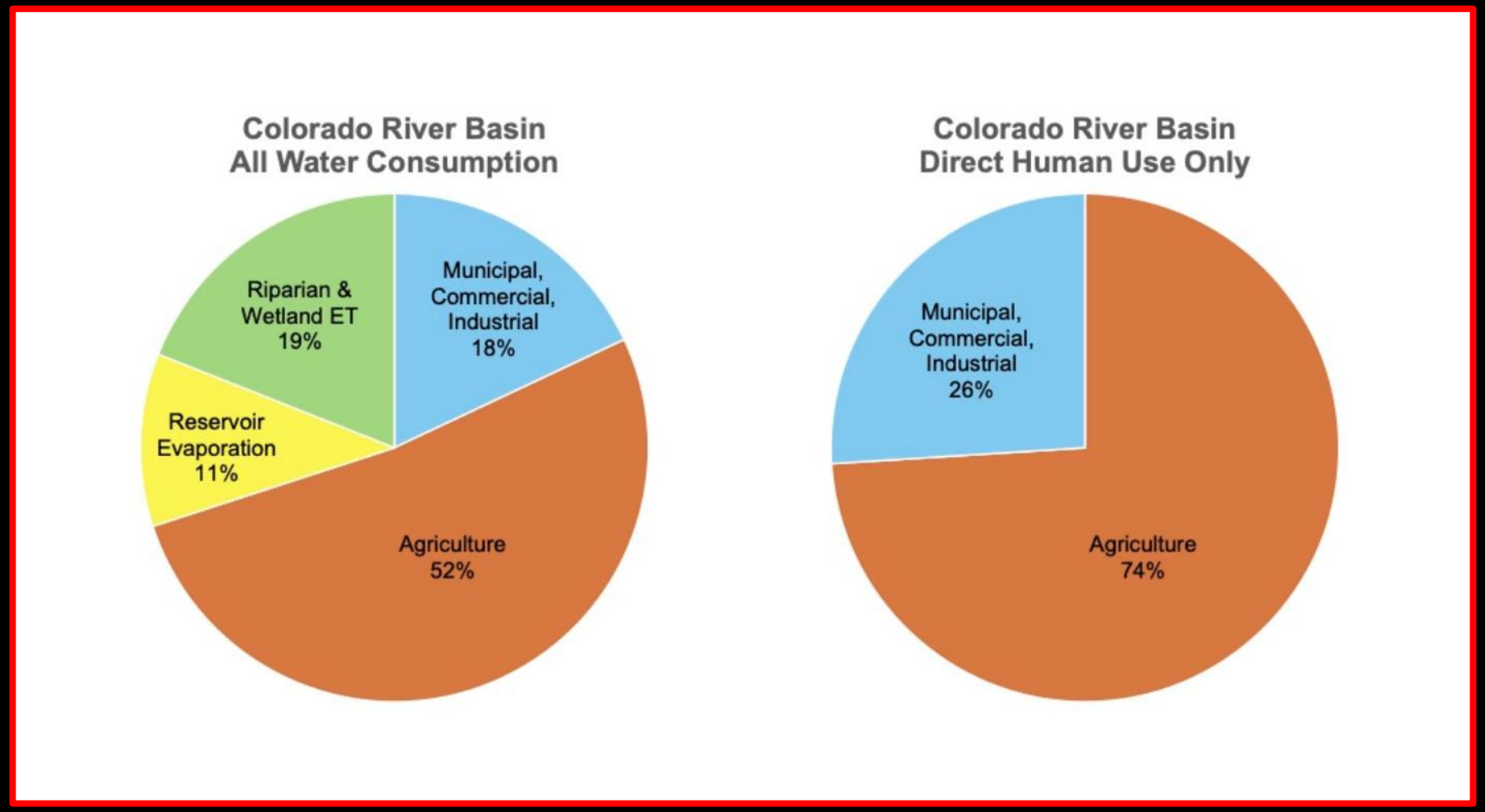
(in millions of acre feet)

Natural Flow (2020-2025)	11.6
Outflows	
UB use	4.0-4.5
LB mainstem use	6.0-7.5
LB evap & losses	1.5
Mexico	1.4-1.5
	12.9 – 15.0
Deficit Balance	1.3 – 3.4

Results

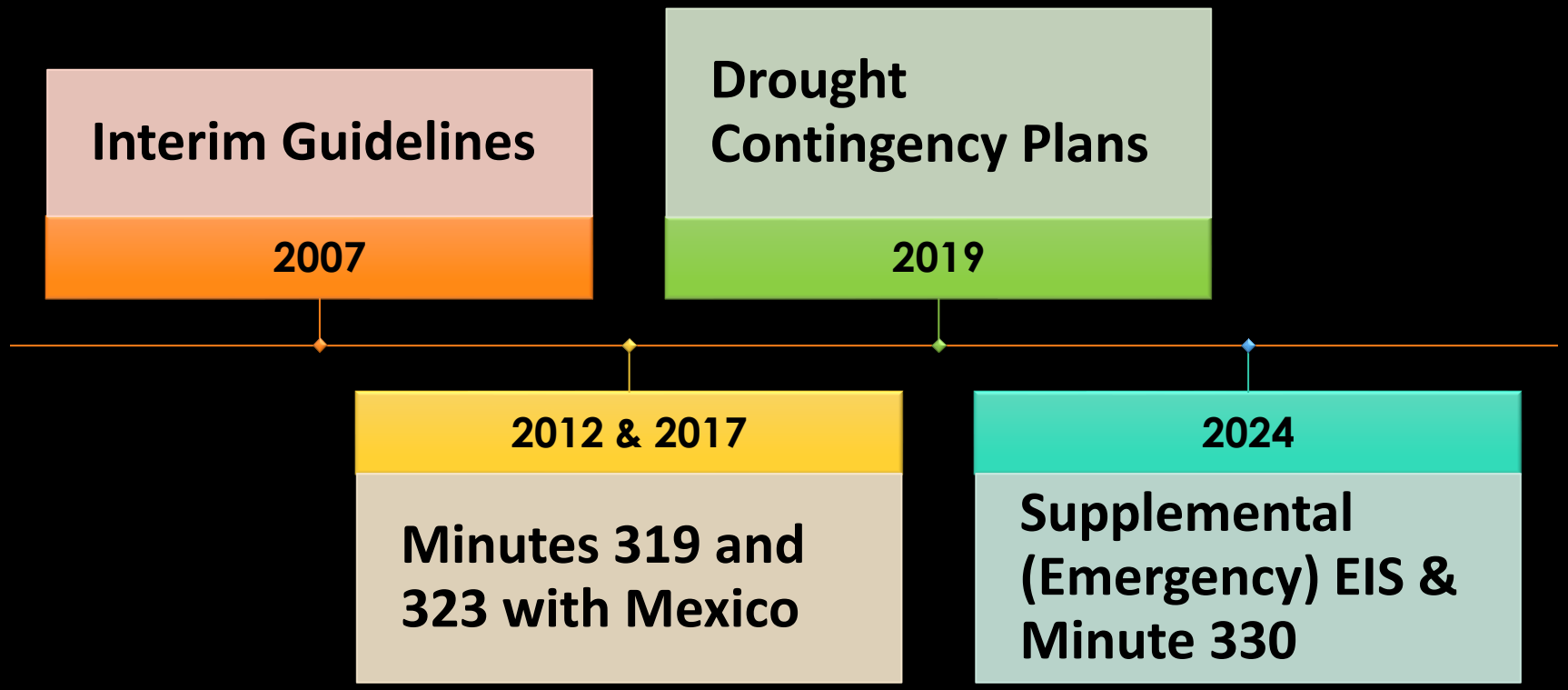

Powell + Mead Combined Contents
MILLION ACRE FEET
50
40
30
20
10
-
Not Realistically Accessible Storage
2000
2005
2010
2015
2020
2025
YEAR
Source: US Bureau of Reclamation

Consumptive Uses of Water



Source: Richter et al. 2024, Water Education Colorado

21st Century Efforts to Address the Deficit



MAJOR FEATURES

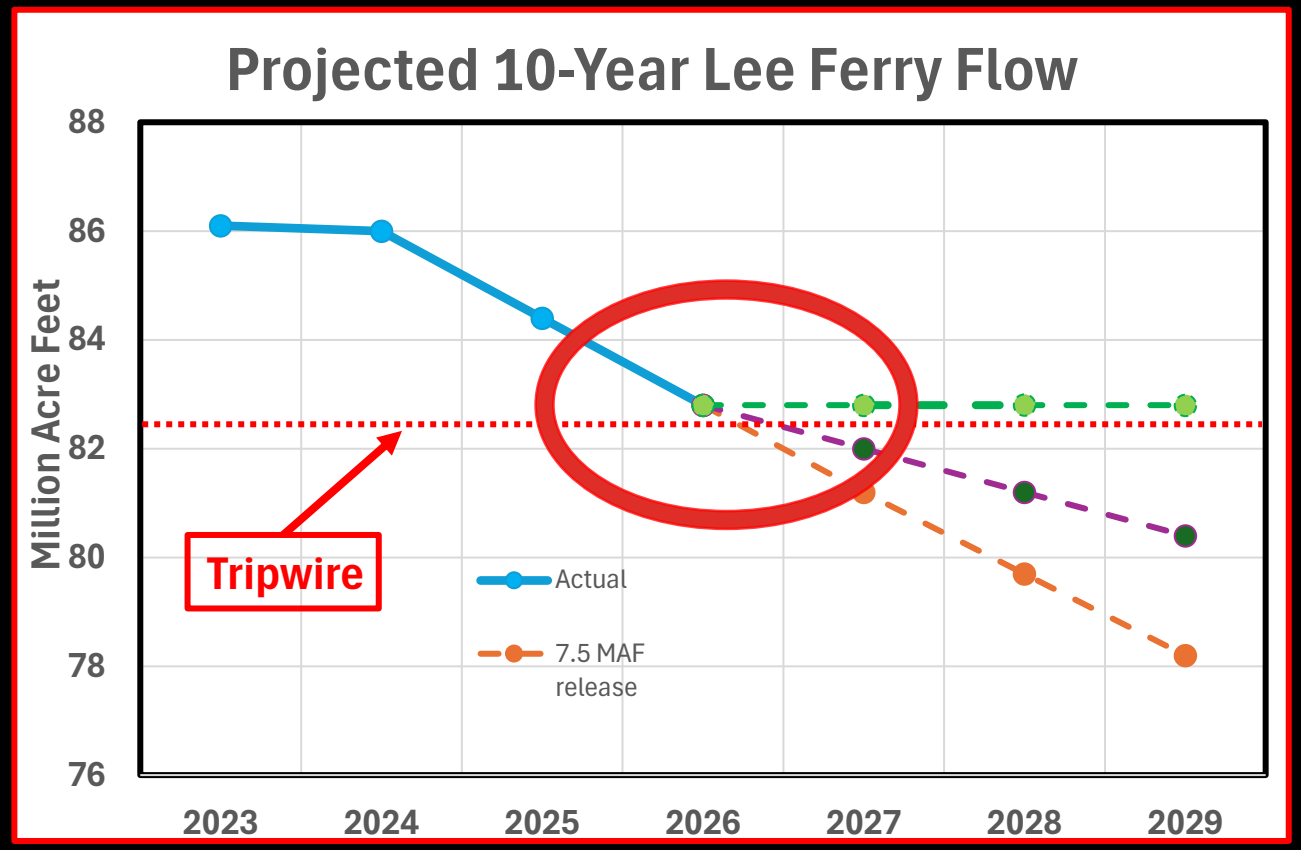
- Cuts to Lower Basin allocations based on elevations in Lake Mead
- Cuts to deliveries to Mexico
- Balancing of contents of Mead and Powell
- Voluntary, temporary, and compensated additional conservation
- All expire in 2026
- They've all made it better, but they haven't solved the problem!

THE CHALLENGE

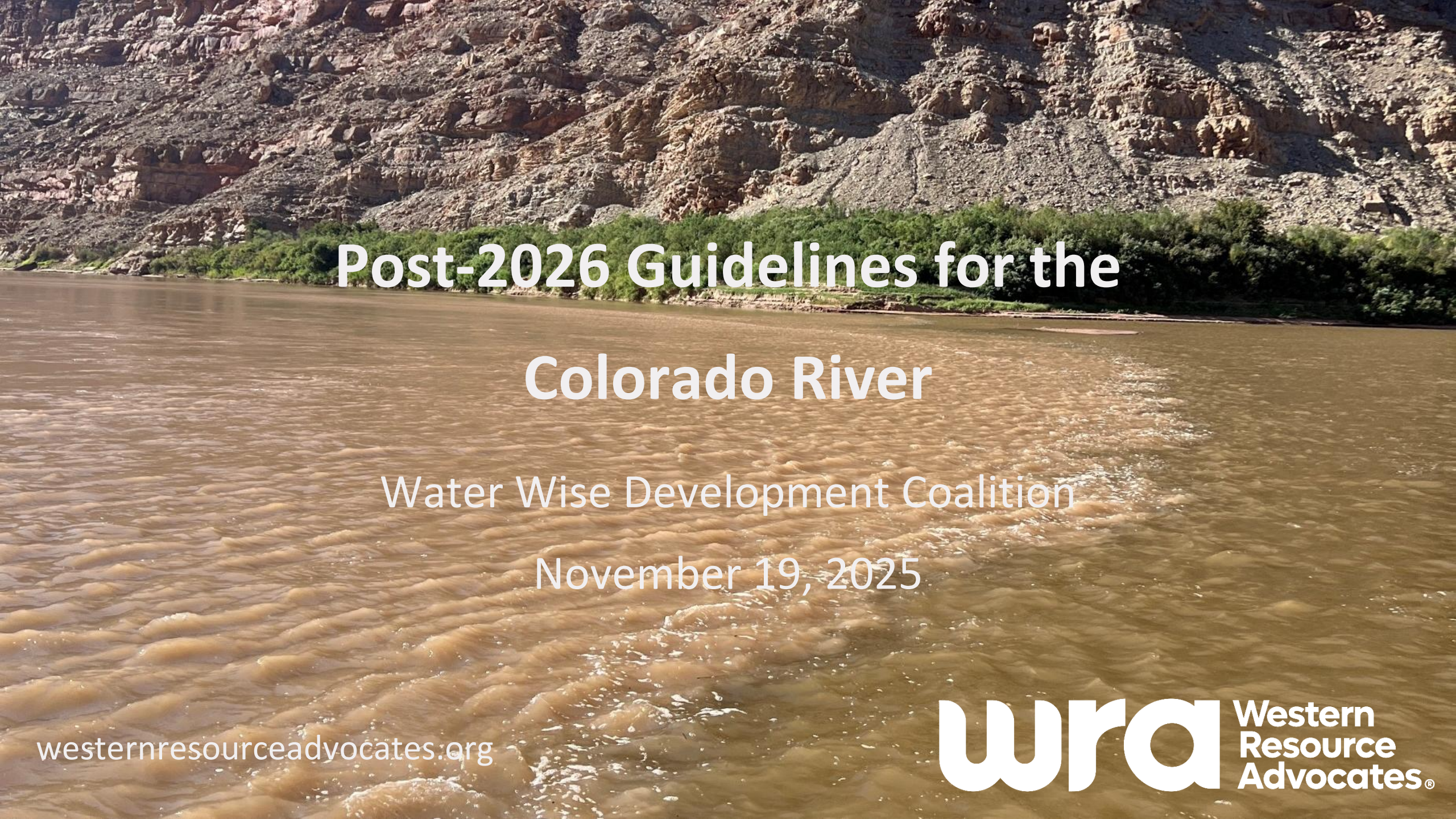
Because all the agreements/guidelines expire in 2026, new process started to determine future operations

LITIGATION?

- Compact requires 75 MAF + ½ of obligation to Mexico to pass Lee Ferry every 10 years ≈ 82.5 MAF
- That "tripwire" will be triggered soon – 2026 or 2027
- To induce waiver of litigation, deal has to be sufficiently beneficial to all parties



Source: Eric Kuhn



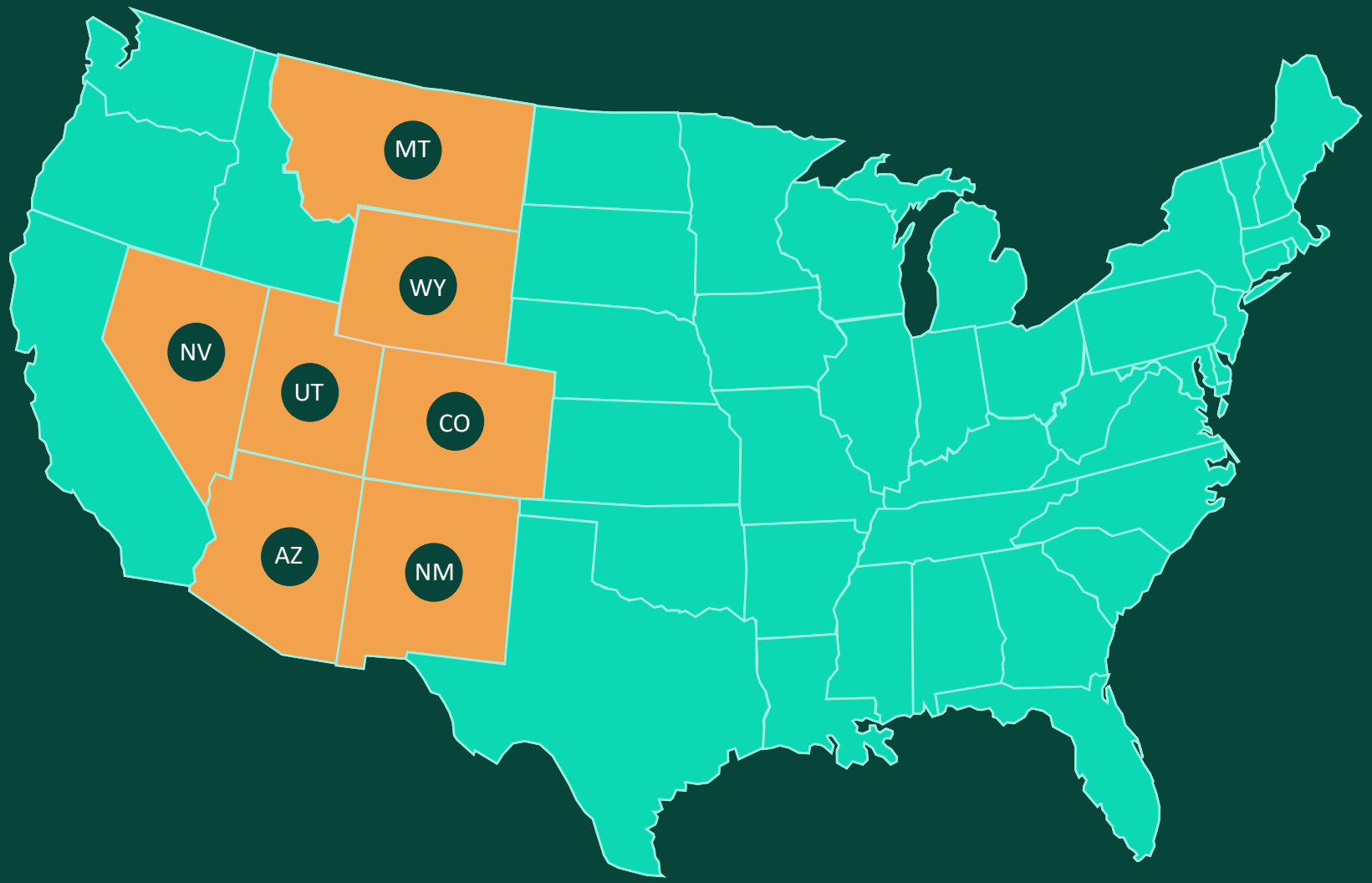
Post-2026 Guidelines for the Colorado River

Water Wise Development Coalition

November 19, 2025

westernresourceadvocates.org

Western Resource Advocates®



Where We Work

- Federal & Regional Collaboration
- State Legislatures
- State Agencies & Commissions
- Local Governments
- Electric Utilities
- Diverse Coalitions & Communities

WRA works across seven states in the **Interior West** to **protect our climate**, land, air, and water.

NATIONAL ARCHIVES
FEDERAL REGISTER
The Daily Journal of the United States Government

Notice

Colorado River Reservoir Operations: Development of Post-2026 Operational Guidelines and Strategies for Lake Powell and Lake Mead

A Notice by the Reclamation Bureau on 10/20/2023

PUBLISHED DOCUMENT: 2023-23127 (88 FR 72535)

PDF
Document Details
Table of Contents
Public Comments
Regulations.gov Data
Sharing
Print

DOCUMENT HEADINGS

Department of the Interior
Bureau of Reclamation
[RR03040000, 23XR0680A1, RX187860005004001]

AGENCY:

Bureau of Reclamation, Interior.

ACTION:

Notice of availability.

SUMMARY:

The Department of the Interior (Department) has issued a Scoping Summary Report on the Development of Post-2026 Operational Guidelines and Strategies for Lake Powell and Lake Mead. The

Photo Credit: Dave Papineau (with support from Lighthawk)

Why are Post-2026 Guidelines needed?

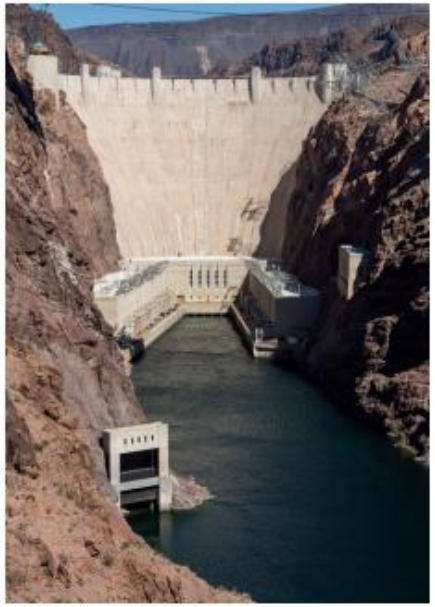
- DOI legally required to coordinate operations
- 2007 Interim Guidelines are expiring
- 2007 Interim Guidelines were insufficient to reduce risk
- Continued (and worsening) supply and demand imbalances
- More conservation is needed
- Need to address Tribal needs

BUREAU OF RECLAMATION

Alternatives Report

Post-2026 Operational Guidelines and Strategies for Lake Powell and Lake Mead

Upper Colorado Basin Region
Lower Colorado Basin Region



U.S. Department of the Interior

January 2025

Five Alternatives Being Analyzed

No Action

- Required by NEPA; revert to decades old operating framework

Five Alternatives Being Analyzed

Federal Contingency

- What Reclamation can do with existing authorities, without any new agreements

Five Alternatives Being Analyzed

Enhanced Coordination

- What Reclamation would like to do; developed in coordination with NPS, FWS, and with input from Tribes and hydropower


Photo Credit: Dave Papineau (with support from Lighthawk)

Five Alternatives Being Analyzed

Maximum Operational Flexibility

- Developed by NGOs; promotes flexibility, system stability, and environmental stewardship


Photo Credit: Dave Papineau (with support from Lighthawk)

Five Alternatives Being Analyzed

Supply Driven

- Base operations on a recent average in "natural flows"

Maximum Operational Flexibility (formerly Cooperative Conservation Alternative)

Audubon
AMERICAN RIVERS
Environmental Defense Fund
wra Western Resource Advocates
The Nature Conservancy
TROUT UNLIMITED
Theodore Roosevelt Conservation Partnership

wra

This alternative:

- Improves reservoir operations
- Integrates environmental stewardship and emphasizes mitigation
- Creates a new flexible tool for conservation
- Preserves binational opportunities for Delta restoration
- Broadens the range of options

Where do things stand?

- Reclamation moving forward with Draft EIS

Post-2026 Timeline

- June 2023: Notice of Intent to prepare an Environmental Impact Statement (EIS) formally initiated the Post-2026 Process
- October 2023: Scoping Summary Report and Federal Register Notice identified the Proposed Federal Action and Purpose & Need
- January 2025: Alternatives Report identified preliminary range of alternatives
- **Current: Overall process currently refining alternatives for Draft EIS**
- Fall-Winter 2025: Publication of Draft EIS
- Spring-Summer 2026: Publication of Final EIS
- Summer-Fall 2026: Adopt Record of Decision

Where do things stand?

- Reclamation moving forward with Draft EIS
- November 11th "deadline" was.... missed.

PRESS STATEMENT on the current Status of Colorado River negotiations from the seven Colorado River Basin States, the Department of the Interior, and the Bureau of Reclamation:

- "The seven Colorado River Basin states together with the Department of the Interior and the Bureau of Reclamation recognize the serious and ongoing challenges facing the Colorado River. Prolonged drought and low reservoir conditions have placed extraordinary pressure on this critical water resource that supports 40 million people, tribal nations, agriculture, and industry.

- While more work needs to be done, collective progress has been made that warrants continued efforts to define and approve details for a finalized agreement. Through continued cooperation and coordinated action, there is a shared commitment to ensuring the long-term sustainability and resilience of the Colorado River system."

Photo Credit: Dave Papineau (with support from Lighthawk)

Where do things stand?

- Reclamation moving forward with Draft EIS
- November 11th "deadline" was.... missed.
- States are still negotiating and face a February "deadline"

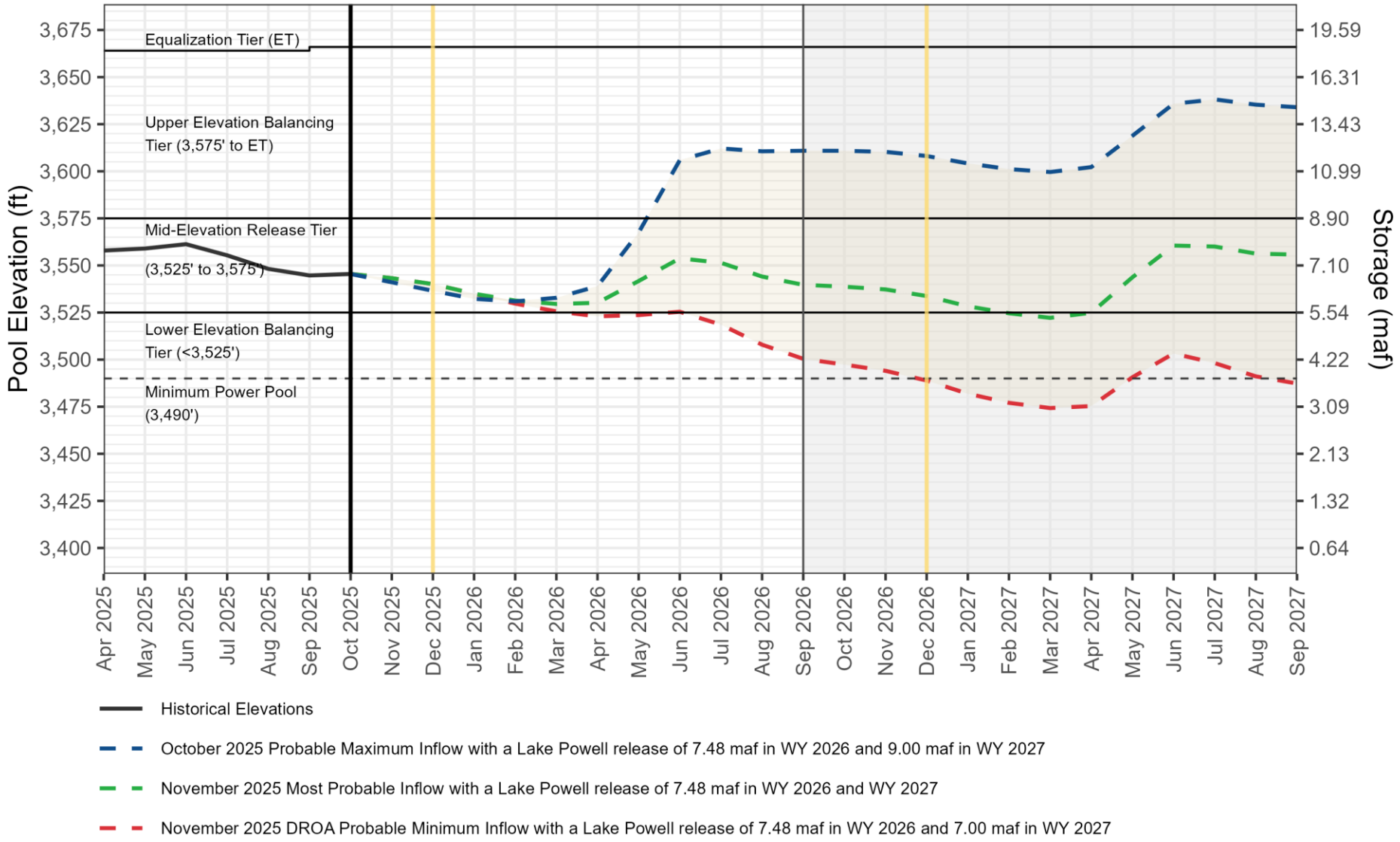
Next steps?

- "Bolting" together a Preferred Alternative that will become the new guidelines

Important context…

Lake Powell End-of-Month Elevations[1]

Projections from October and November 2025 24-Month Study Inflow Scenarios



Historical Elevations

October 2025 Probable Maximum Inflow with a Lake Powell release of 7.48 maf in WY 2026 and 9.00 maf in WY 2027

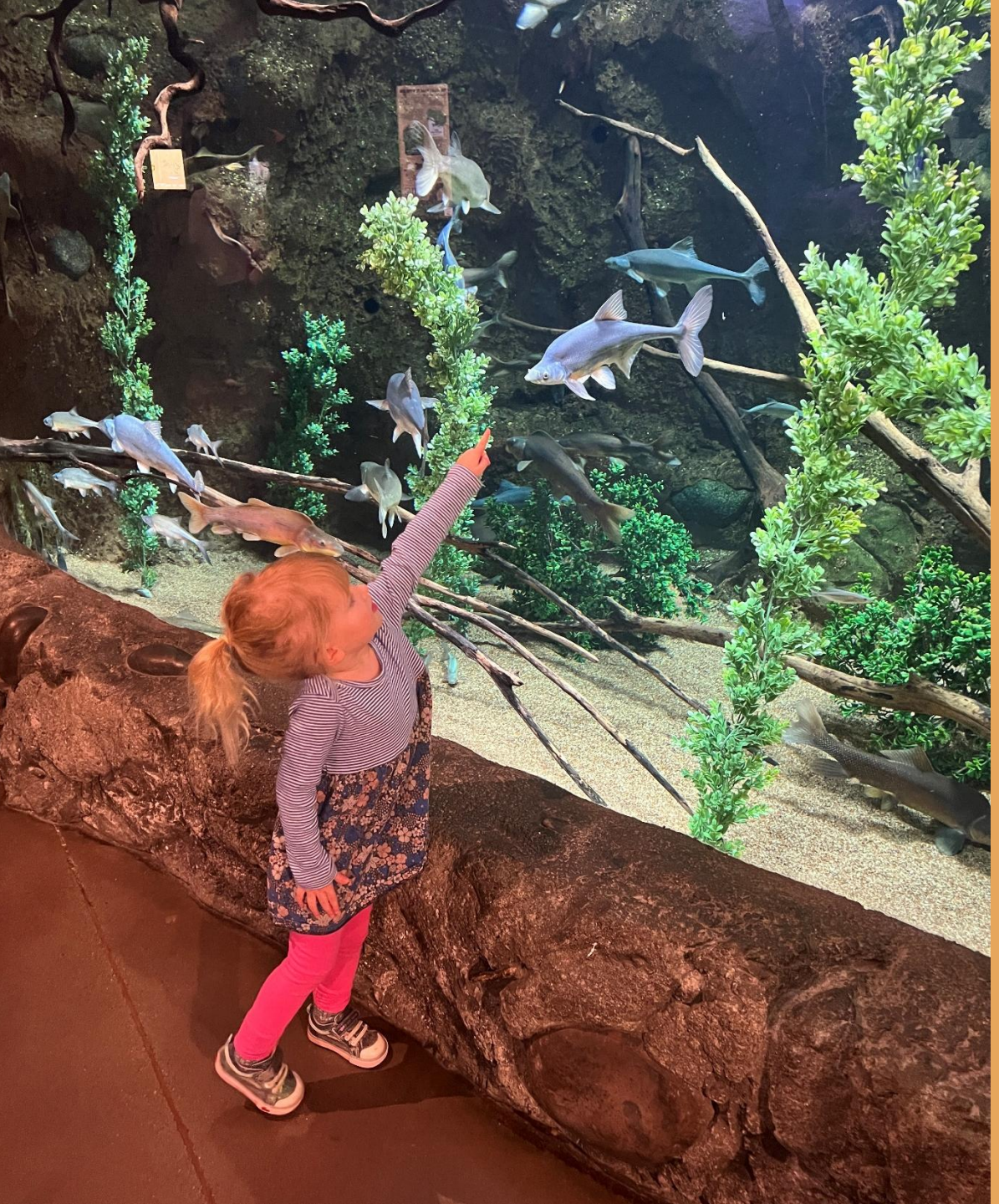
November 2025 Most Probable Inflow with a Lake Powell release of 7.48 maf in WY 2026 and WY 2027

November 2025 DROA Probable Minimum Inflow with a Lake Powell release of 7.48 maf in WY 2026 and 7.00 maf in WY 2027

The Drought Response Operations Agreement (DROA) is available online at https://www.usbr.gov/dcp/finaldocs.html.

[1]For modeling purposes, simulated years beyond 2026 assume a continuation of the 2007 Interim Guidelines including the 2024 Supplement to the 2007 Interim Guidelines (no additional SEIS conservation is assumed to occur after 2026), the 2019 Colorado River Basin Drought Contingency Plans, and Minute 323 including the Binational Water Scarcity Contingency Plan. With the exception of certain provisions related to ICS recovery and Upper Basin Demand management, operations under these agreements are in effect through 2026.

BUREAU OF RECLAMATION



Thanks!

John.berggren@westernresources.org

2026 Negotiations impact to municipal water providers on Colorado's Front Range

Ken Ransford, Esq., CPA, is the Recreation Representative and Secretary to the Colorado Basin Roundtable. He is a former board member of the Aspen Valley Land Trust, American Whitewater, and the River Management Society. These are his views and they have not been endorsed by the Colorado River Roundtable.

ken@kenransford.com, 970-963-6800

132 Midland Ave Unit 3, Basalt, CO 81621

Colorado West slope hay irrigation rights are superior to a Compact Call and Front Range transmountain diversions.

Appropriation	1881	1921	1922	1930	1935	1946	1952	1956
	West slope hay irrigation	Moffat Tunnel to Denver Water	Colorado River Compact	Independence Pass Tunnel to Aurora, Co Springs, and Pueblo	Colorado Big Thompson: Grand Lake to Estes Park	Lake Dillon to South Platte	Homestake tunnel, Holy Cross to Aurora & Co Springs	Fry-Ark project from Roaring Fork Valley to Arkansas Basin
Average annual diversion	1,598,000	66,500	8,242,000	38,000	206,000	65,000	23,000	60,000

458,500 Total transmountain diversions to Front Range listed here. There are more.

2015 IBCC Conceptual Framework for new trans-basin diversions

1	Front Range would accept hydrologic risk, meaning that new reservoirs may not fill in dry years.
2	New transmountain diversion must be used conjunctively with East slope supplies, such as augmenting new diversions with groundwater pumping from the Denver Aquifer.
3	Front Range cannot divert if ecological warning bells go off.
4	An "insurance policy" must be in place in case the Lower Basin (e.g., Arizona) makes a Compact Call. Agricultural fallowing on the West slope will likely be the "insurance policy."
5	West slope can develop new supplies as well, such as the Eagle River MOU which plans to provide 20,000 af to Aurora and Colorado Springs and 10,000 af to Eagle River entities on the West slope.
6	New subdivisions on the Front Range will practice high municipal water conservation such as the Sterling Ranch development.
7	Environmental and recreation needs on the West slope must not be ignored.

Existing Front Range diversions could be cut off with a Compact Call. Additional diversions increase this risk.

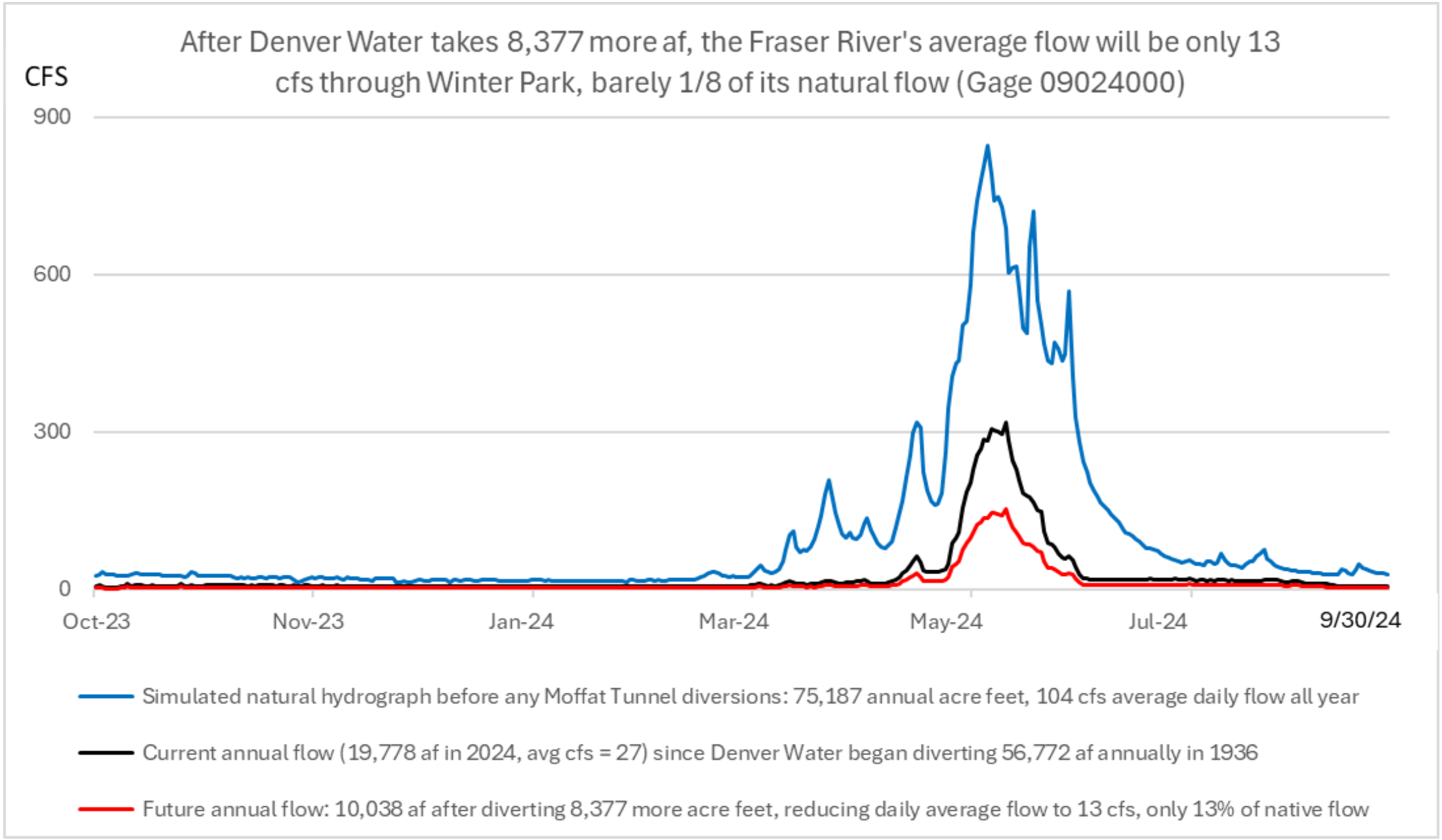
Transmountain diversion	Priority date	Acre-feet	Compact Call:	400,000	325,000				
Independence Pass	1930	38,000						-38,000	
Colo-Big Thompson	1935	206,000						-206,000	-177,000
Dillon Reservoir	1946	65,000						-65,000	-65,000
Homestake	1952	23,000						-23,000	-23,000
Fry-Ark	1956	60,000						-60,000	-60,000
New Flaming Gorge pipeline to Front Range	2015	150,000	150,000	150,000	150,000	150,000	150,000	0	0	150,000
Water year:			**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**

Senior water rights

Flaming Gorge pipeline water right

Transmountain diversions at risk

Urban Land Institute


After Denver Water takes 8,377 more af, the Fraser River's average flow will be only 13 cfs through Winter Park, barely 1/8 of its natural flow (Gage 09024000)
CFS
900
600
300
0
Oct-23
Nov-23
Jan-24
Mar-24
May-24
Jul-24
9/30/24
Simulated natural hydrograph before any Moffat Tunnel diversions: 75,187 annual acre feet, 104 cfs average daily flow all year
Current annual flow (19,778 af in 2024, avg cfs = 27) since Denver Water began diverting 56,772 af annually in 1936
Future annual flow: 10,038 af after diverting 8,377 more acre feet, reducing daily average flow to 13 cfs, only 13% of native flow

Upper Basin Conservation - System Conservation Pilot Program

Upper Division State	Share of water in the Upper Colorado River Basin Compact	2023 End of Season Estimated CCU (AF)	2024 End of Season Estimated CCU (AF)	2025 End of Season Estimated CCU (AF)
Colorado	51.75%	2,024	18,335	SCPP program
New Mexico	11.25%	5,554	4,933	was not
Utah	23.00%	15,301	23,390	authorized
Wyoming	14.00%	8,477	20,810	
Total	100.00%	31,356	67,468	0

Kyl Center for Water Policy
at Morrison Institute
Arizona State University

Arizona's changing water landscape

Sarah Porter – November 19, 2025

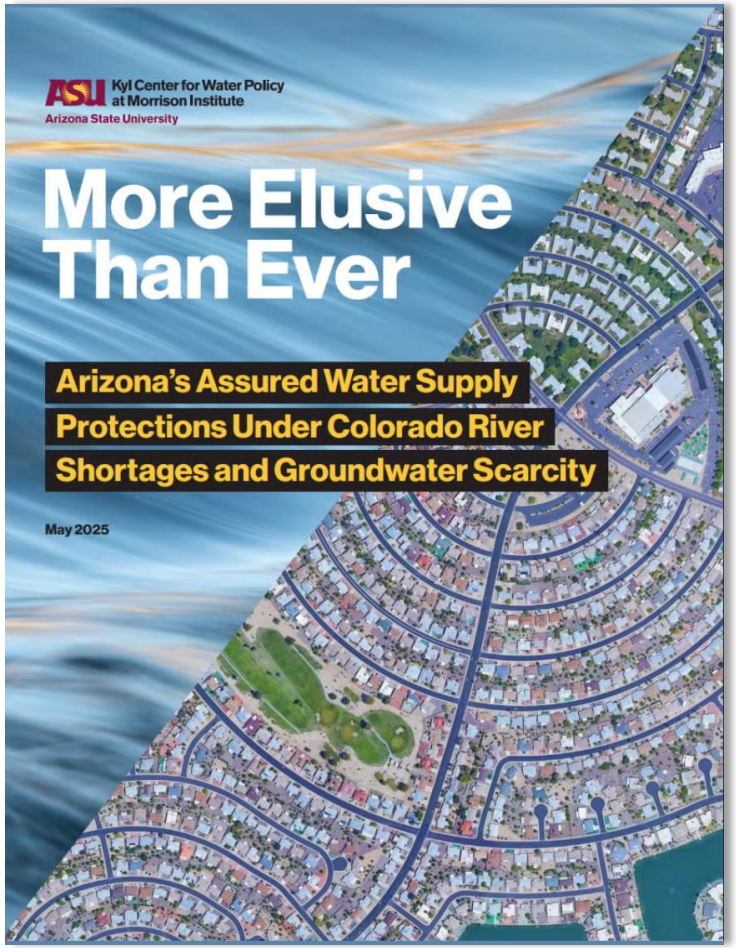
Kyl Center for Water Policy
at Morrison Institute

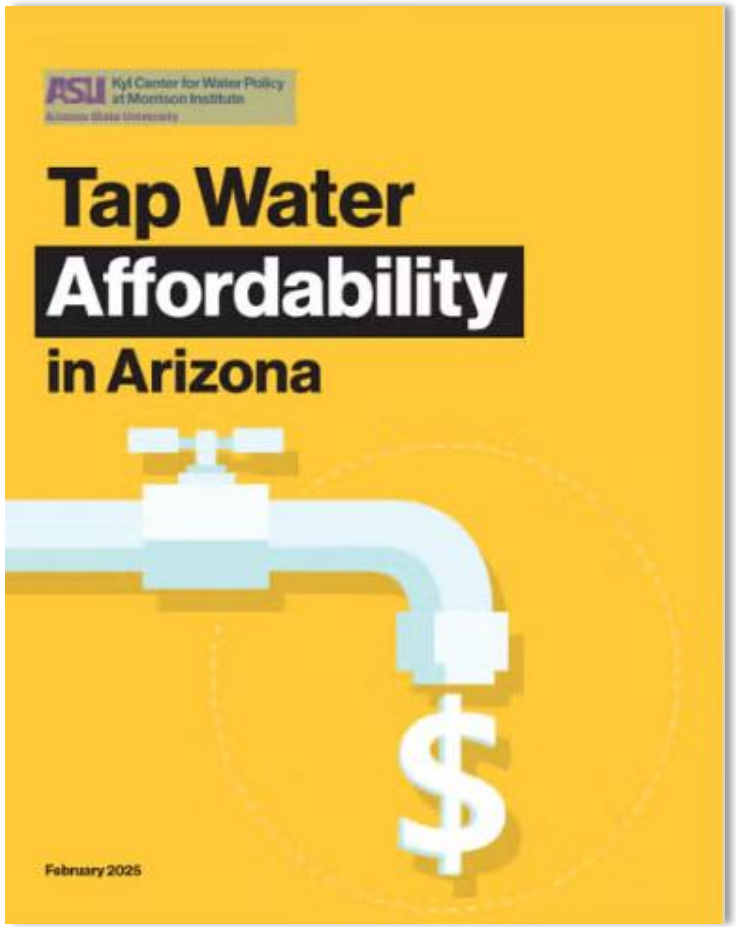
Arizona State University

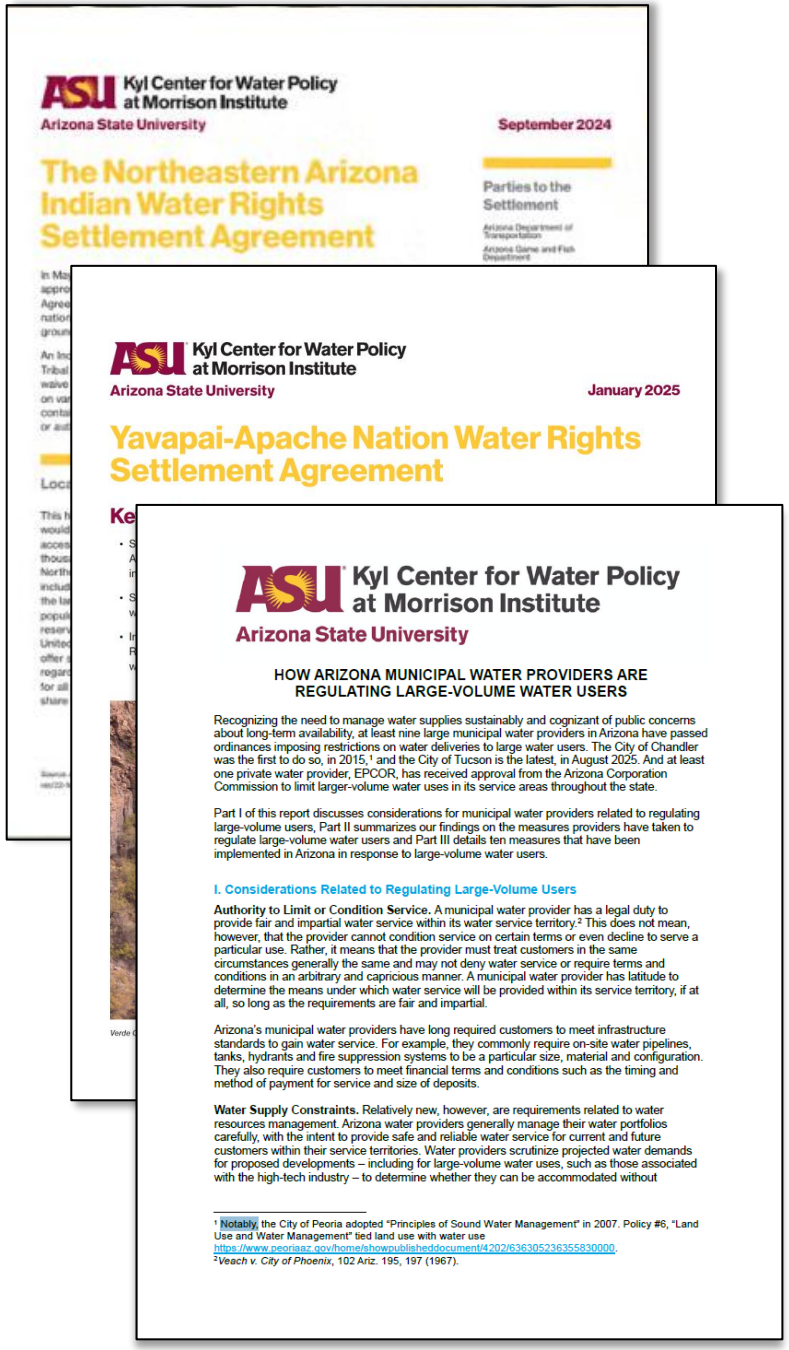
Mission: promote informed public dialogue on critical water issues in Arizona and the West

- neutral & non-partisan
- research & analysis
- historical understanding

Recent Publications



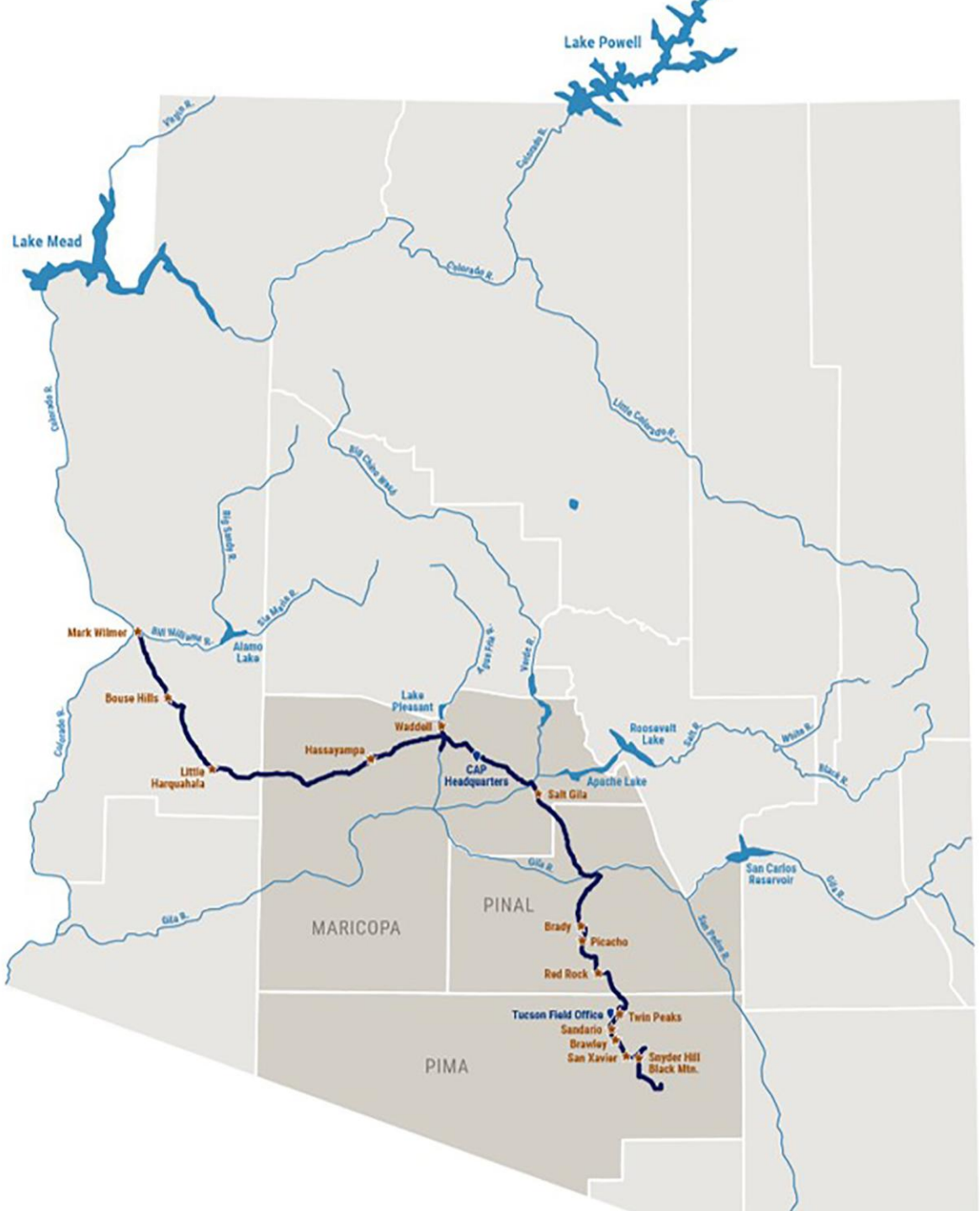




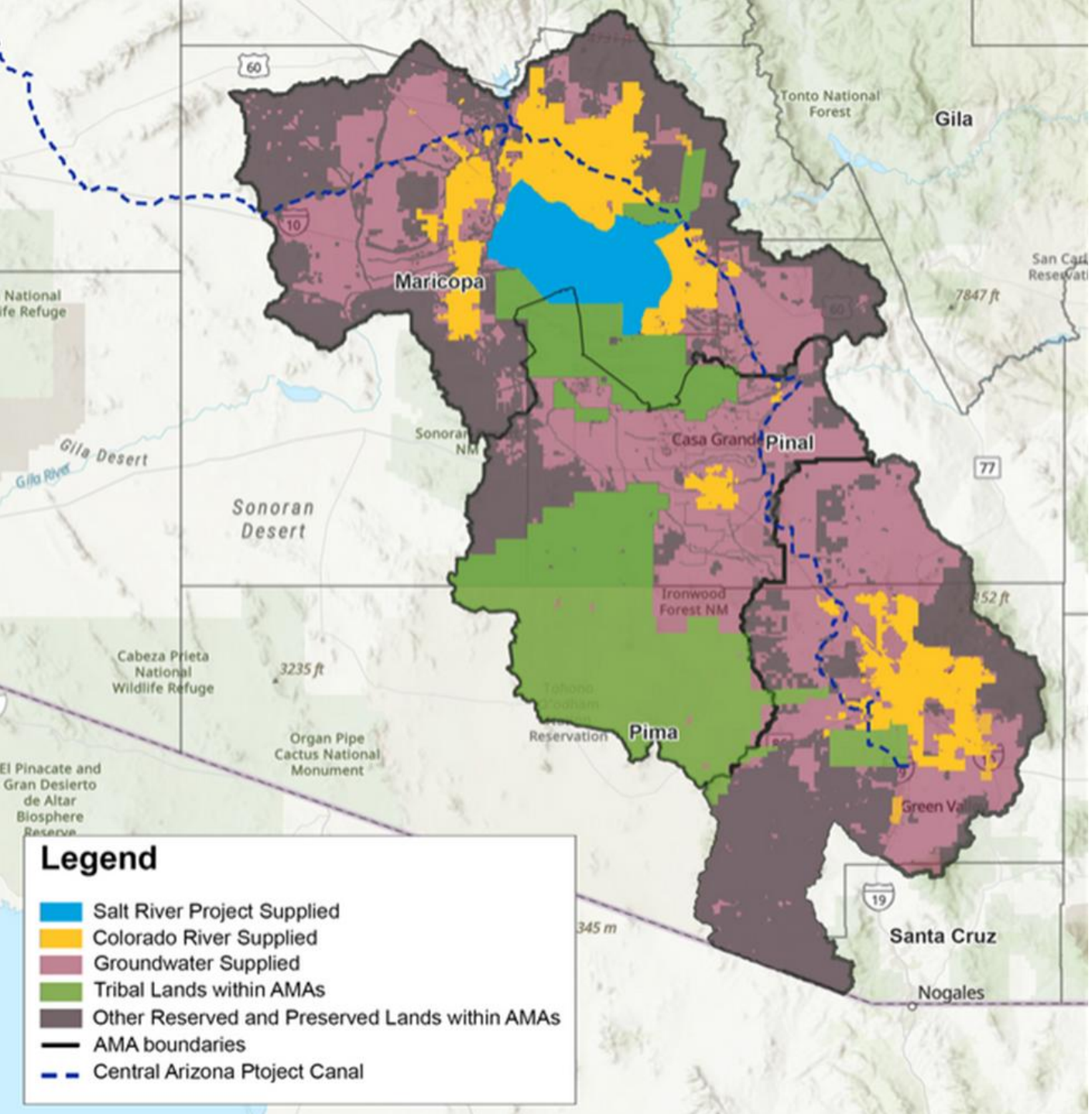
Arizona Water Blueprint

azwaterblueprint.asu.edu

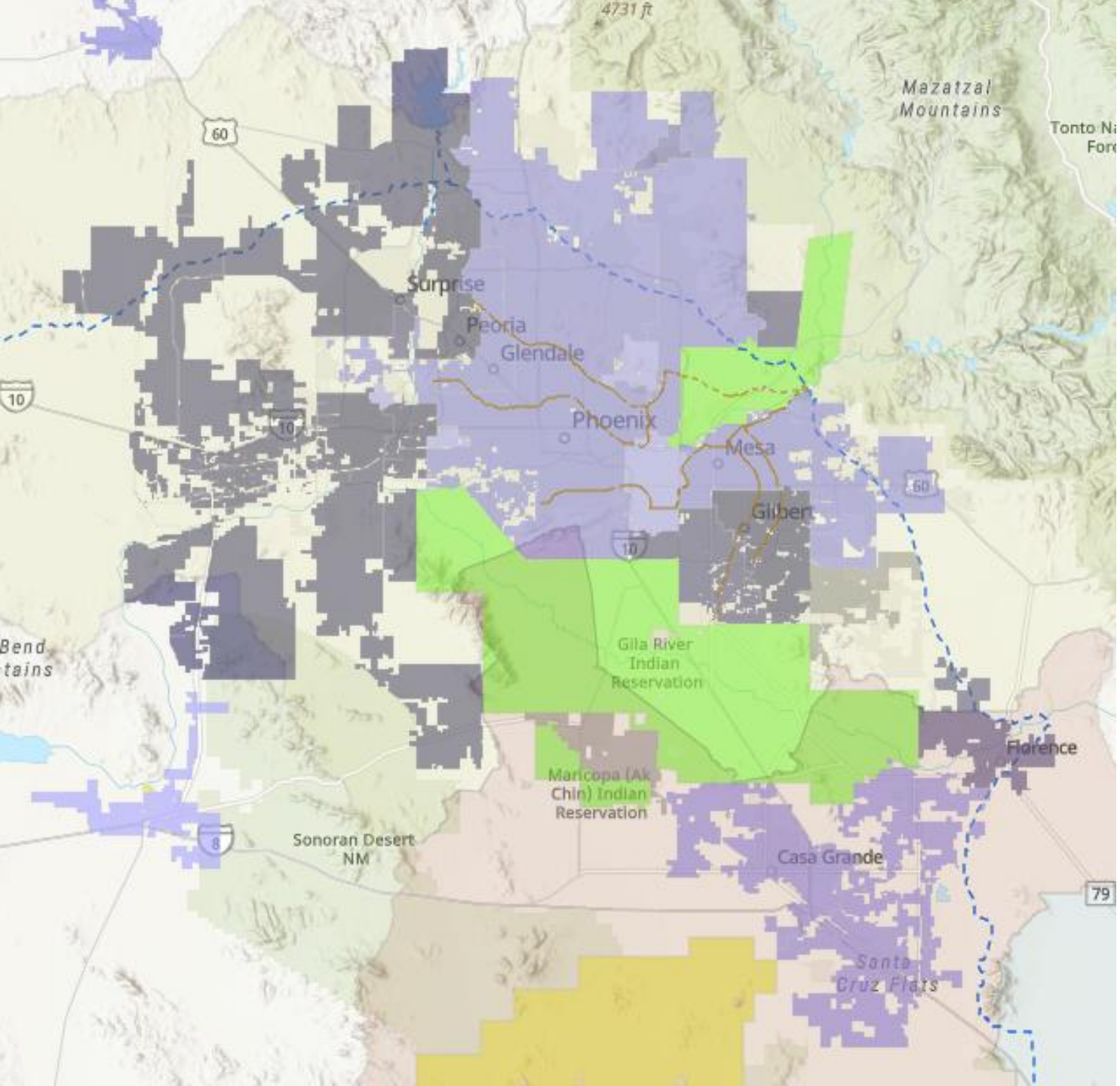
Water in Context



Colorado River water is used along the mainstem and in Central Arizona.



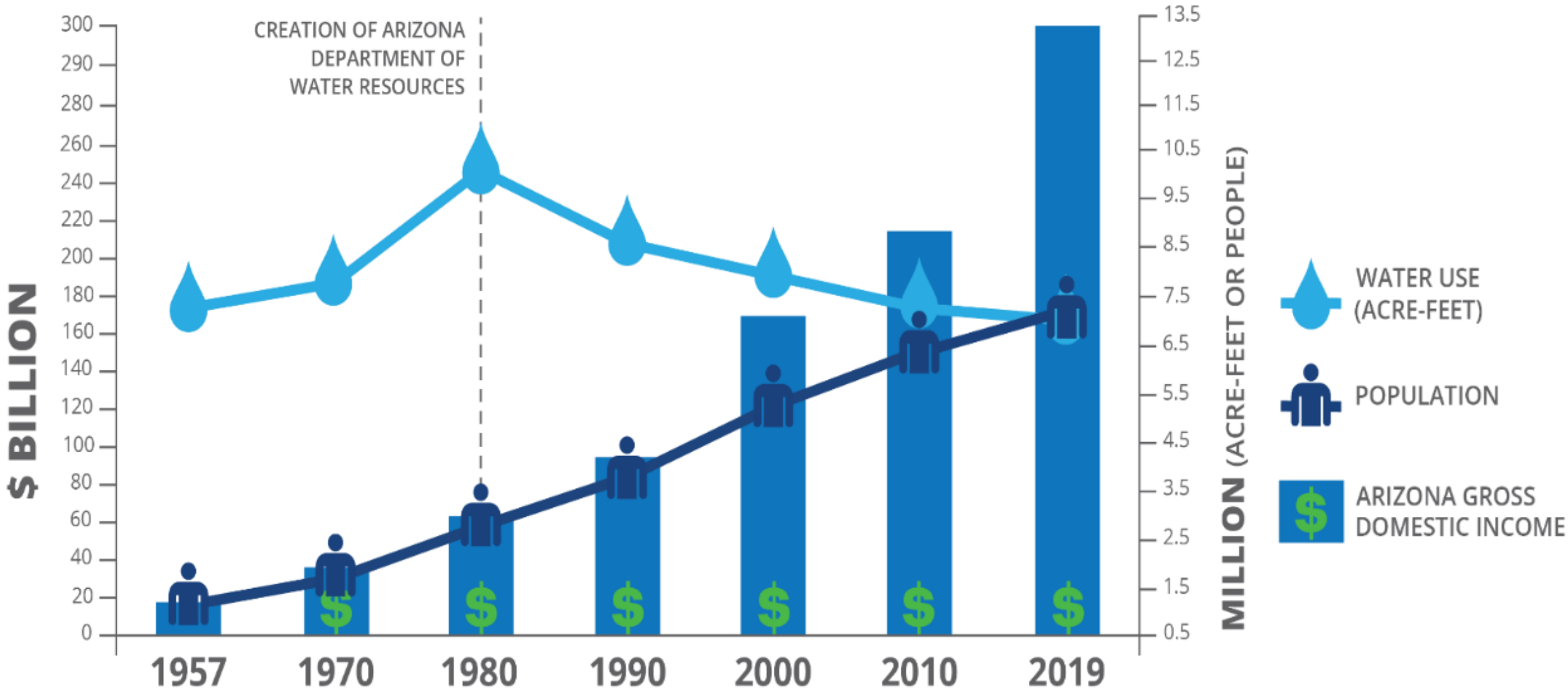
Reliance on Colorado River supplies varies.



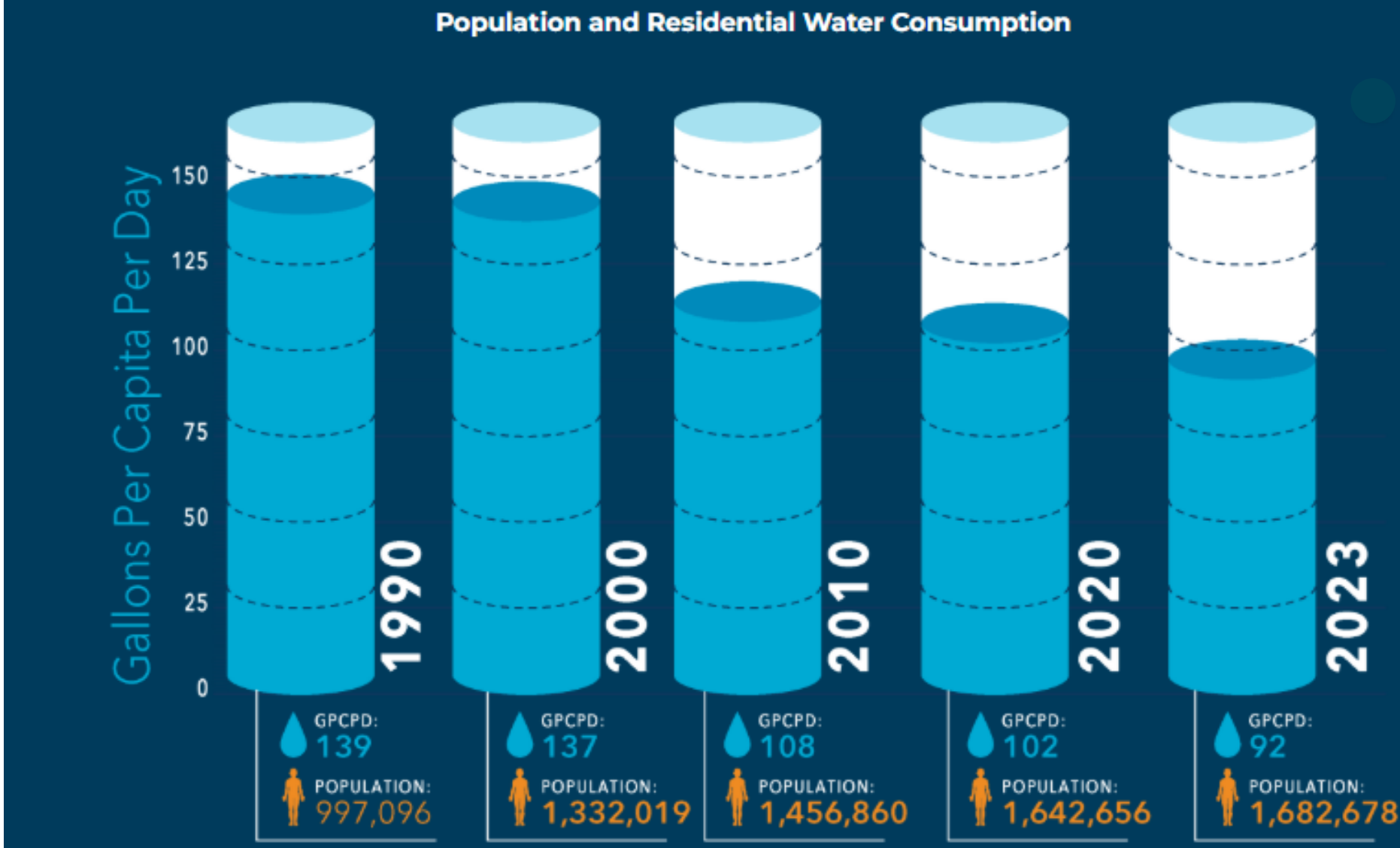
Growth on groundwater is constrained in Greater Phoenix.

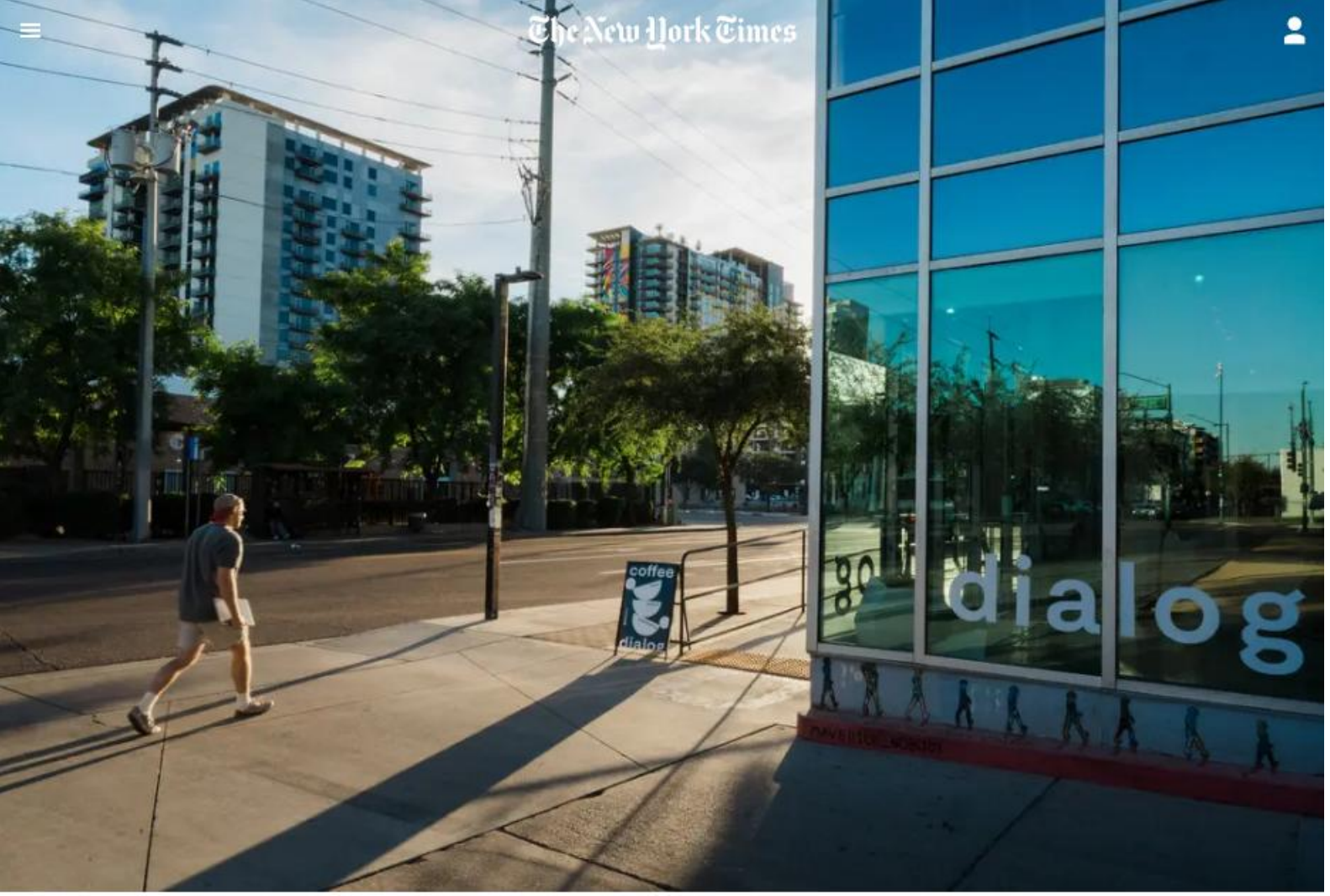
Water & Growth

Water Use Compared with Population & Economic Growth in Arizona



WATER USE IN PHOENIX





October 29, 2025

LIVING IN

Downtown Phoenix, Expanding Upward

In the Valley of the Sun, summer heat has not stopped the downtown population from nearly tripling over 15 years.

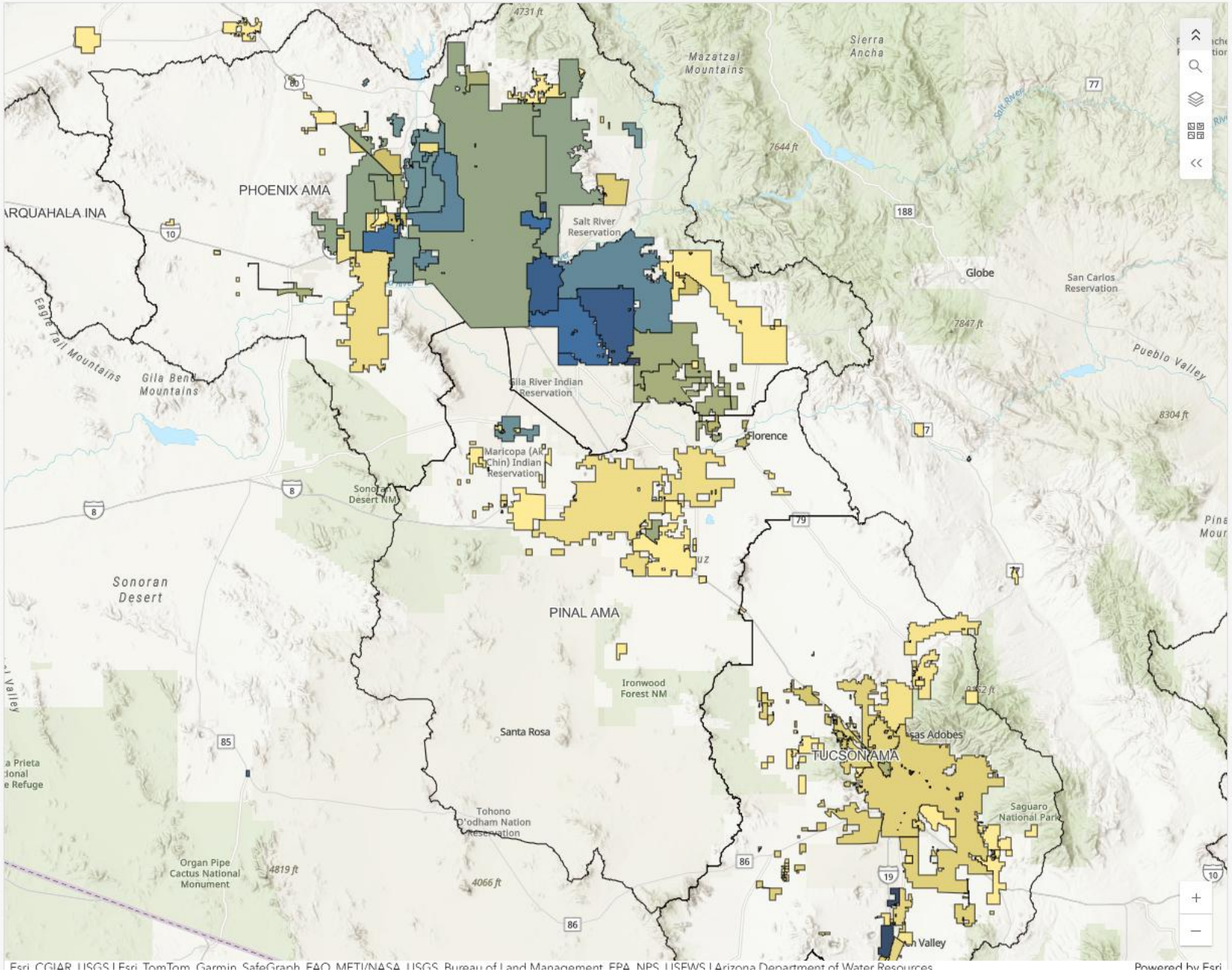
> **“But the city is expanding inward and upward, too, the once moribund downtown sprouting countless residential towers, a new light rail hub and other neighborhood draws.**

Community Water Use Intensity

Community Water Systems:

Search...

- CITY OF CHANDLER
- CITY OF EL MIRAGE
- CITY OF ELOY
- CITY OF GLENDALE
- CITY OF GOODYEAR
- CITY OF MESA
- CITY OF PEORIA
- CITY OF PHOENIX
- CITY OF SCOTTSDALE
- CITY OF TEMPE
- CITY OF TOLLESON
- CLEARWATER UTILITIES
- COMMUNITY WATER COMPANY OF GREEN VALLEY
- COPPER MOUNTAIN RANCH COMMUNITY FACILITIES DISTRICT
- CORONADO FOREST DRIVE WATER COOPERATIVE
- DAVIS RANCH LANDOWNERS
- DEEP WELL COOPERATIVE
- DESERT WATER COOPERATIVE
- DOME WELL COOPERATIVE
- EPCOR AGUA FRIA
- EPCOR ANTHEM
- EPCOR CHAPARRAL CITY
- EPCOR PARADISE VALLEY
- EPCOR SAN TAN
- EPCOR SAN TAN ANTHEM
- EPCOR SUN CITY WEST
- EPCOR SUN CITY
- FARMERS WATER COMPANY
- FARMERS WATER COMPANY
- FARMERS WATER COMPANY

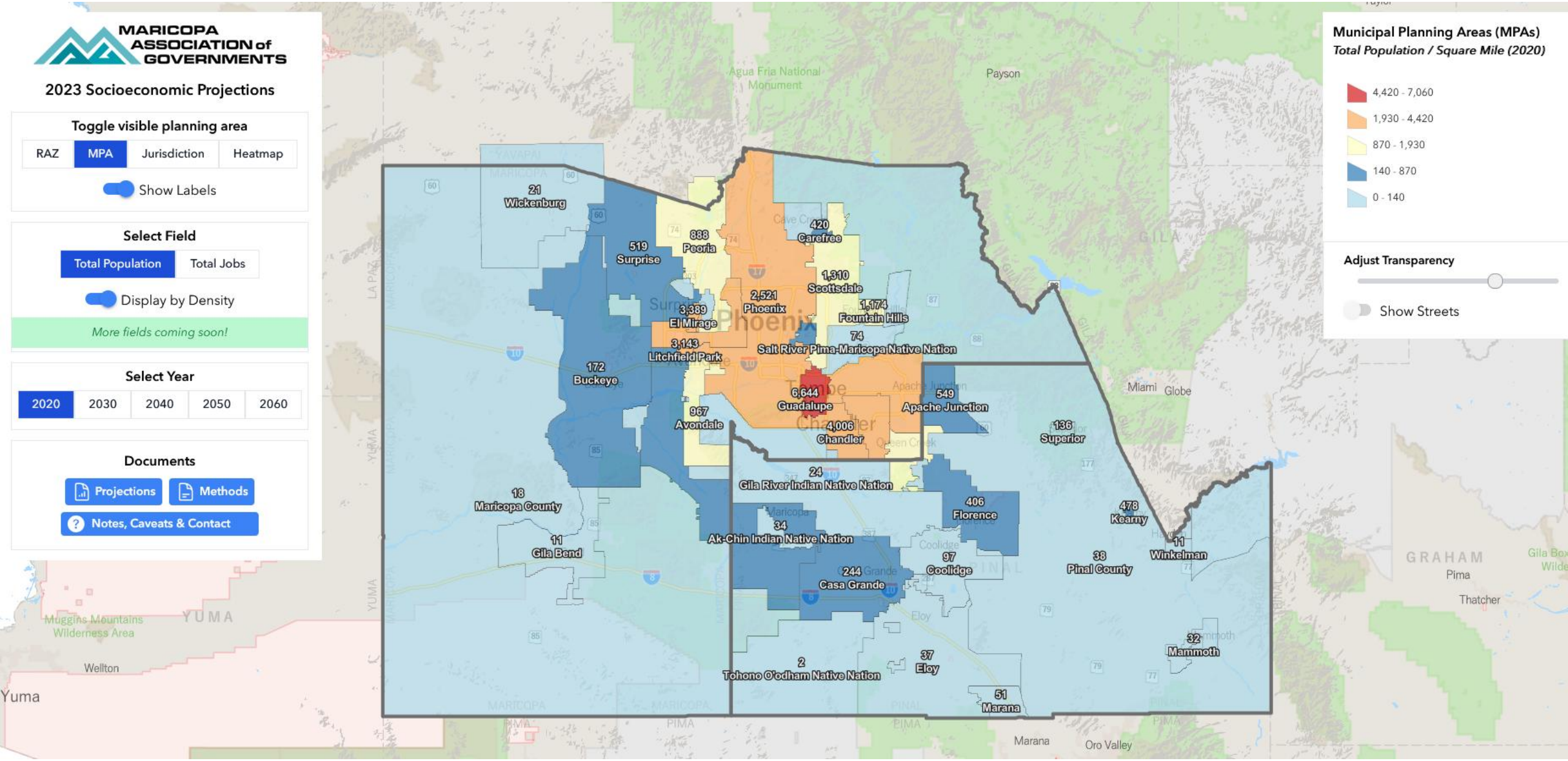


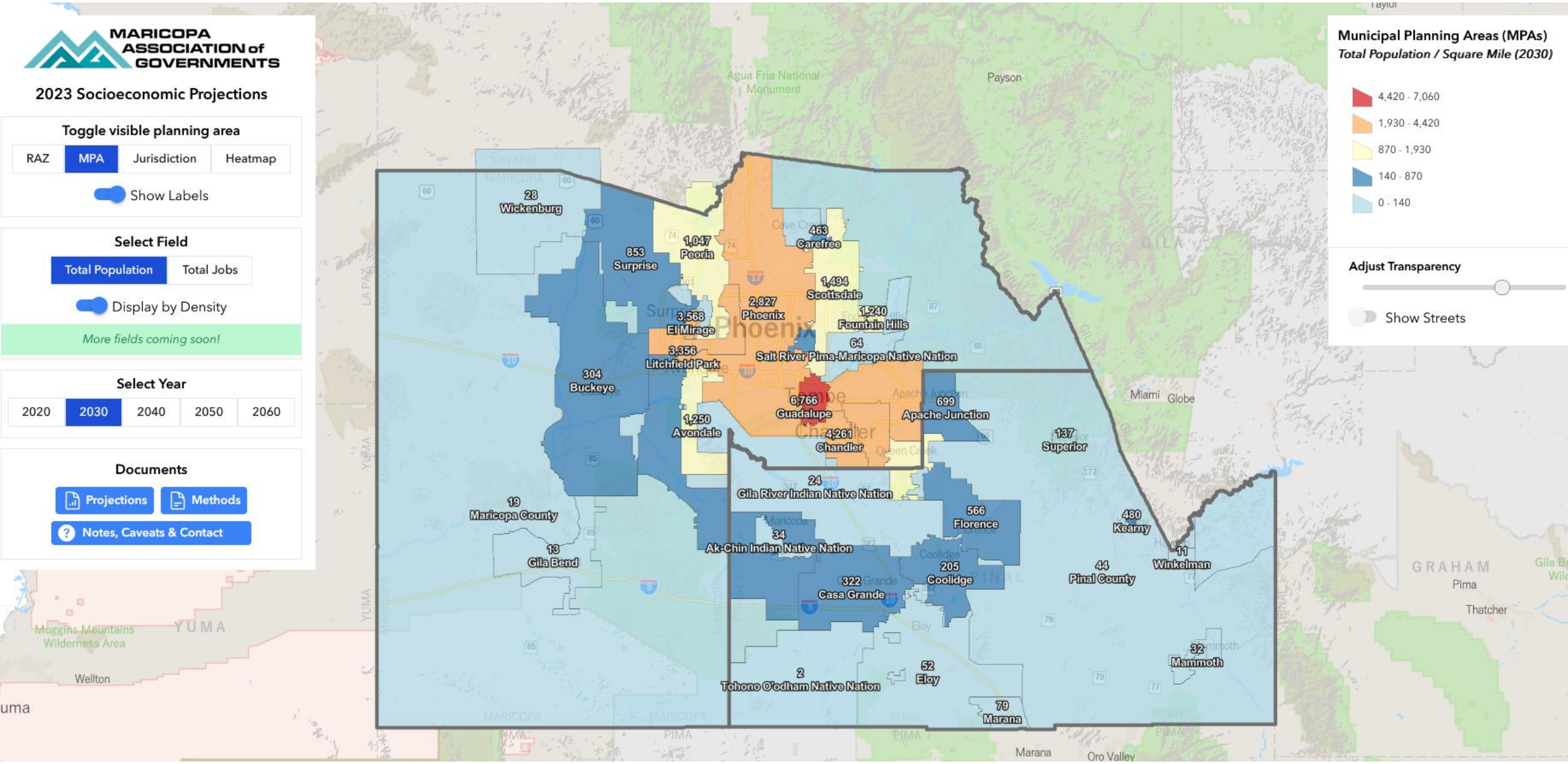
Community Water Systems

Water Use Intensity (AF/Acre)

- > 2.50
- 1.50
- < 0.50

Active Management Areas (AMAs) and Irrigation Non-expansion Areas (INAs)


MARICOPA ASSOCIATION of GOVERNMENTS
2023 Socioeconomic Projections
Toggle visible planning area
RAZ
MPA
Jurisdiction
Heatmap
Show Labels
Select Field
Total Population
Total Jobs
Display by Density
More fields coming soon!
Select Year
2020
2030
2040
2050
2060
Documents
Projections
Methods
Notes, Caveats & Contact
Municipal Planning Areas (MPAs)
Total Population / Square Mile (2020)
4,420 - 7,060
1,930 - 4,420
870 - 1,930
140 - 870
0 - 140
Adjust Transparency
Show Streets
21 Wickenburg
519 Surprise
888 Peoria
420 Carefree
1,310 Scottsdale
2,521 Phoenix
3,389 El Mirage
1,174 Fountain Hills
74 Salt River Pima-Maricopa Native Nation
3,143 Litchfield Park
172 Buckeye
6,644 Guadalupe
549 Apache Junction
967 Avondale
4,006 Chandler
136 Superior
24 Gila River Indian Native Nation
18 Maricopa County
406 Florence
478 Kearny
34 Ak-Chin Indian Native Nation
11 Gila Bend
97 Coolidge
38 Pinal County
11 Winkelman
244 Casa Grande
2 Tohono O'odham Native Nation
37 Eloy
32 Mammoth
51 Marana
Payson
Agua Fria National Monument
Phoenix
Miami
Globe
Apache Junction
Coolidge
Eloy
Casa Grande
Maricopa
Florence
Marana
Oro Valley
Thatcher
Pima
GRAHAM
YUMA
Muggins Mountains Wilderness Area
Wellton
Yuma
MARICOPA
PINAL
PIMA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2050
2060
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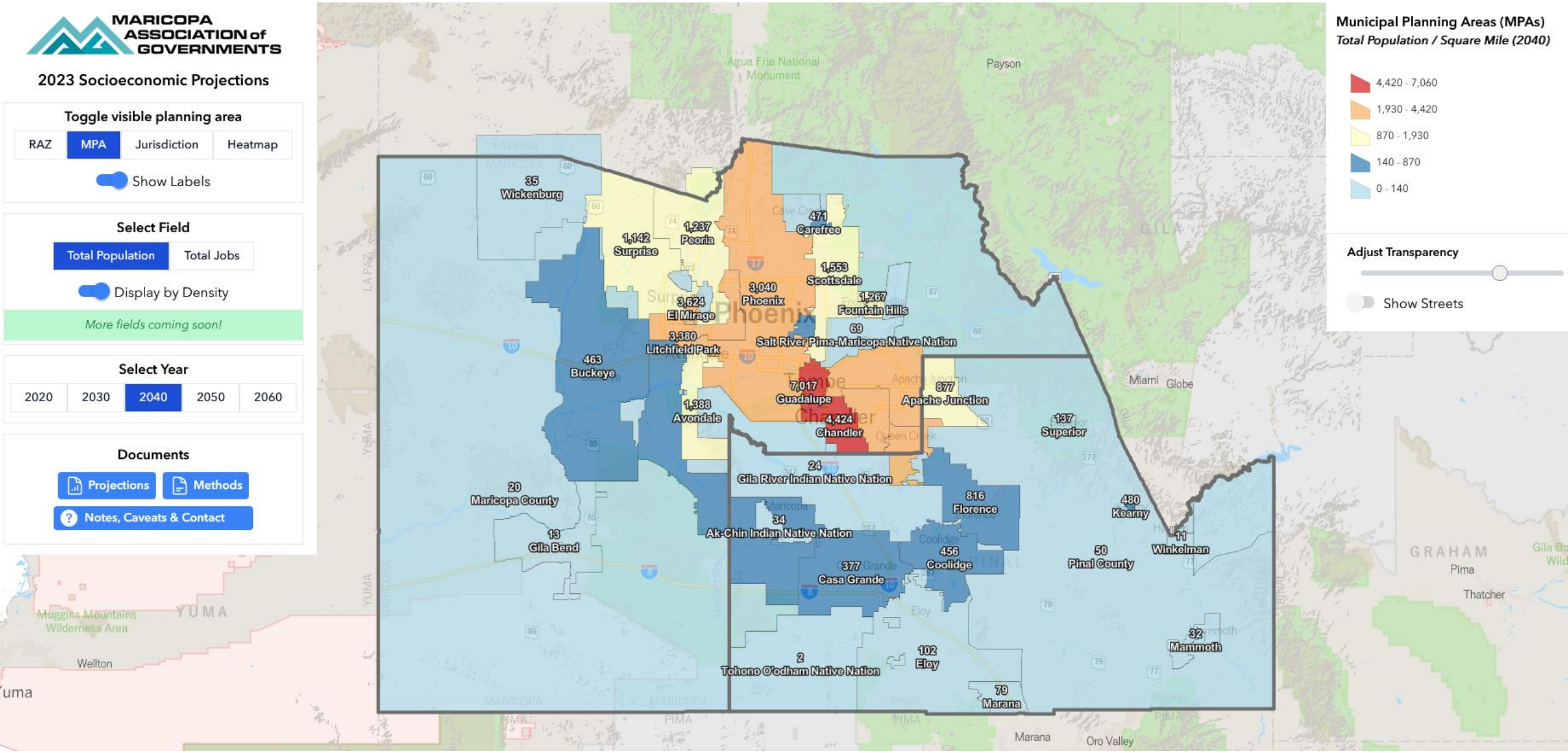
Municipal Planning Areas (MPAs)
Total Population / Square Mile (2030)
4,420 - 7,060
1,930 - 4,420
870 - 1,930
140 - 870
0 - 140
Adjust Transparency
Show Streets
28
Wickenburg
853
Surprise
1,047
Peoria
463
Carefree
1,494
Scottsdale
2,827
Phoenix
3,568
El Mirage
1,240
Fountain Hills
64
Salt River Pima-Maricopa Native Nation
3,356
Litchfield Park
304
Buckeye
6,766
Guadalupe
699
Apache Junction
1,250
Avondale
4,261
Chandler
137
Superior
24
Gila River Indian Native Nation
19
Maricopa County
566
Florence
480
Kearny
34
Ak-Chin Indian Native Nation
13
Gila Bend
205
Coolidge
11
Winkelman
322
Casa Grande
44
Pinal County
32
Mammoth
2
Tohono O'odham Native Nation
52
Eloy
79
Marana
Payson
Globe
Miami
Marana
Oro Valley
Thatcher
Wellton
YUMA
GRAHAM
Pima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2040
2050
2060
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Municipal Planning Areas (MPAs)
Total Population / Square Mile (2040)
4,420 - 7,060
1,930 - 4,420
870 - 1,930
140 - 870
0 - 140
Adjust Transparency
Show Streets
35 Wickenburg
1,142 Surprise
1,237 Peoria
471 Carefree
1,553 Scottsdale
3,040 Phoenix
3,624 El Mirage
1,267 Fountain Hills
69 Salt River Pima-Maricopa Native Nation
3,380 Litchfield Park
463 Buckeye
7,017 Guadalupe
877 Apache Junction
1,388 Avondale
4,424 Chandler
137 Superior
24 Gila River Indian Native Nation
20 Maricopa County
816 Florence
480 Kearny
34 Ak-Chin Indian Native Nation
13 Gila Bend
456 Coolidge
11 Winkelman
50 Pinal County
377 Casa Grande
2 Tohono O'odham Native Nation
102 Eloy
32 Mammoth
79 Marana
Payson
Phoenix
Miami
Globe
YUMA
Wellton
Marana
Oro Valley
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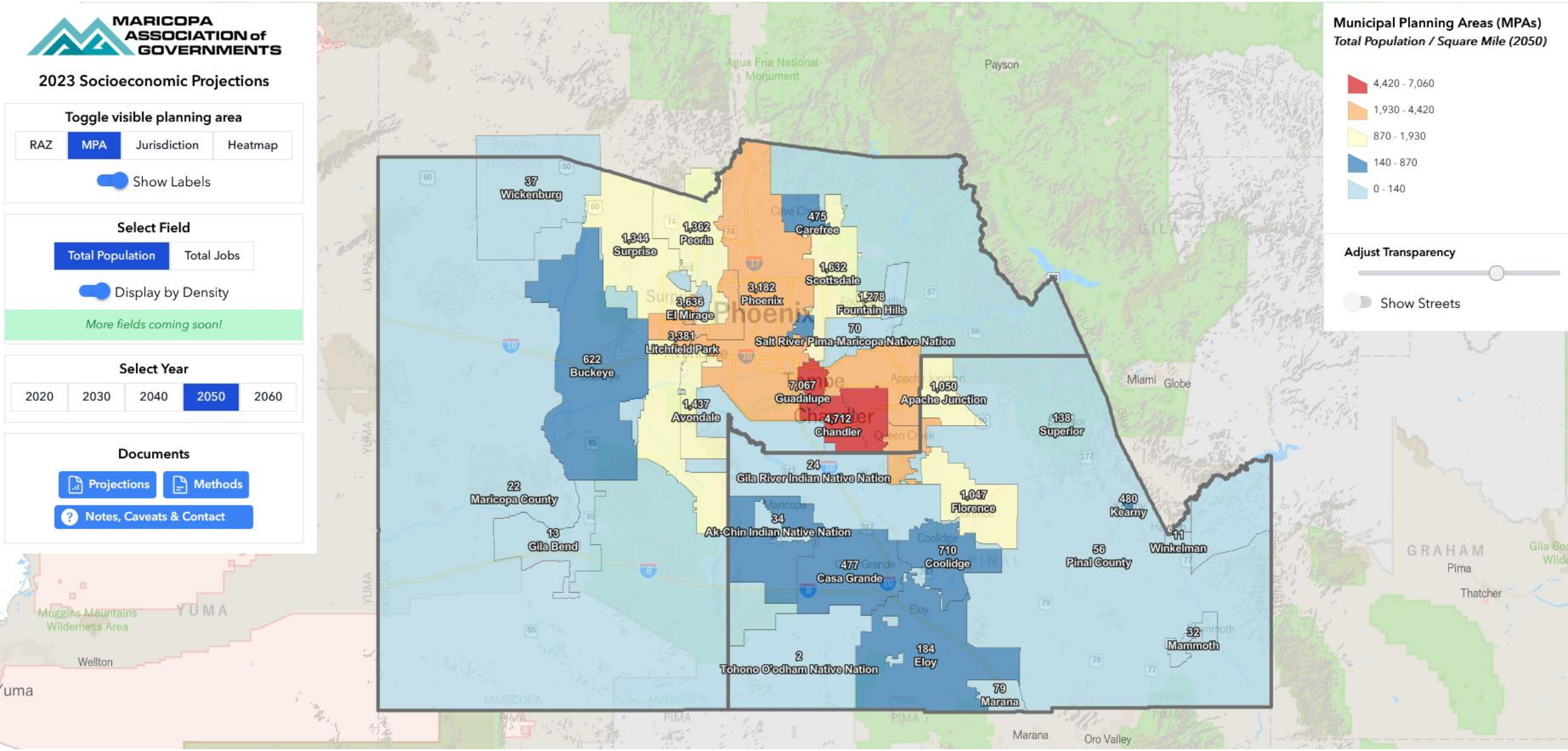
Pima
Thatcher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2060
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Municipal Planning Areas (MPAs)
Total Population / Square Mile (2050)
4,420 - 7,060
1,930 - 4,420
870 - 1,930
140 - 870
0 - 140
Adjust Transparency
Show Streets
37
Wickenburg
1,344
Surprise
1,362
Peoria
475
Carefree
1,632
Scottsdale
3,182
Phoenix
3,636
El Mirage
1,278
Fountain Hills
70
Salt River Pima-Maricopa Native Nation
3,381
Litchfield Park
622
Buckeye
7,067
Guadalupe
1,050
Apache Junction
1,437
Avondale
4,712
Chandler
138
Superior
24
Gila River Indian Native Nation
22
Maricopa County
1,047
Florence
480
Kearny
34
Ak-Chin Indian Native Nation
13
Gila Bend
710
Coolidge
11
Winkelman
56
Pinal County
477
Casa Grande
32
Mammoth
2
Tohono O'odham Native Nation
184
Eloy
79
Marana
Payson
Agua Fria National Monument
Phoenix
Tempe
Chandler
Miami
Globe
Coolidge
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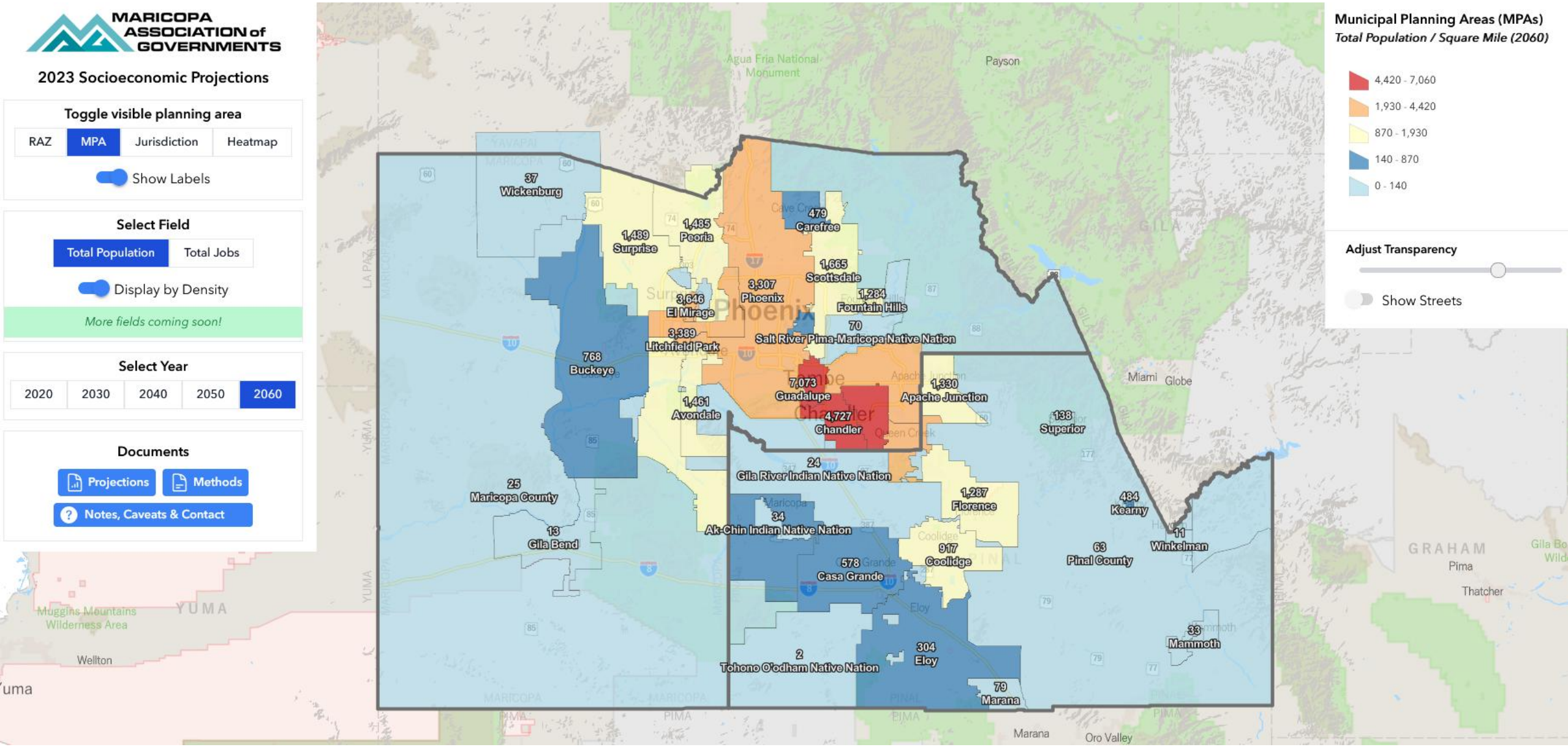
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Municipal Planning Areas (MPAs)
Total Population / Square Mile (2060)
4,420 - 7,060
1,930 - 4,420
870 - 1,930
140 - 870
0 - 140
Adjust Transparency
Show Streets
37
Wickenburg
1,485
Peoria
1,489
Surprise
479
Carefree
1,665
Scottsdale
3,307
Phoenix
3,646
El Mirage
1,284
Fountain Hills
70
Salt River Pima-Maricopa Native Nation
3,389
Litchfield Park
768
Buckeye
7,073
Guadalupe
1,330
Apache Junction
1,461
Avondale
4,727
Chandler
138
Superior
24
Gila River Indian Native Nation
25
Maricopa County
1,287
Florence
484
Kearny
34
Ak-Chin Indian Native Nation
13
Gila Bend
917
Coolidge
11
Winkelman
578
Casa Grande
63
Pinal County
33
Mammoth
304
Eloy
2
Tohono O'odham Native Nation
79
Marana
Payson
Miami
Globe
Thatcher
Wellton
YUMA
Marana
Oro Valley

Big Conclusions

Deeper cuts in Colorado River supply are expected, and the impacts of these cuts will vary from city to city.

Water availability will be a bigger determinant of how cities in Arizona grow.

Per capita water consumption will continue to decline with population and economic growth.

Kyl Center for Water Policy at Morrison Institute

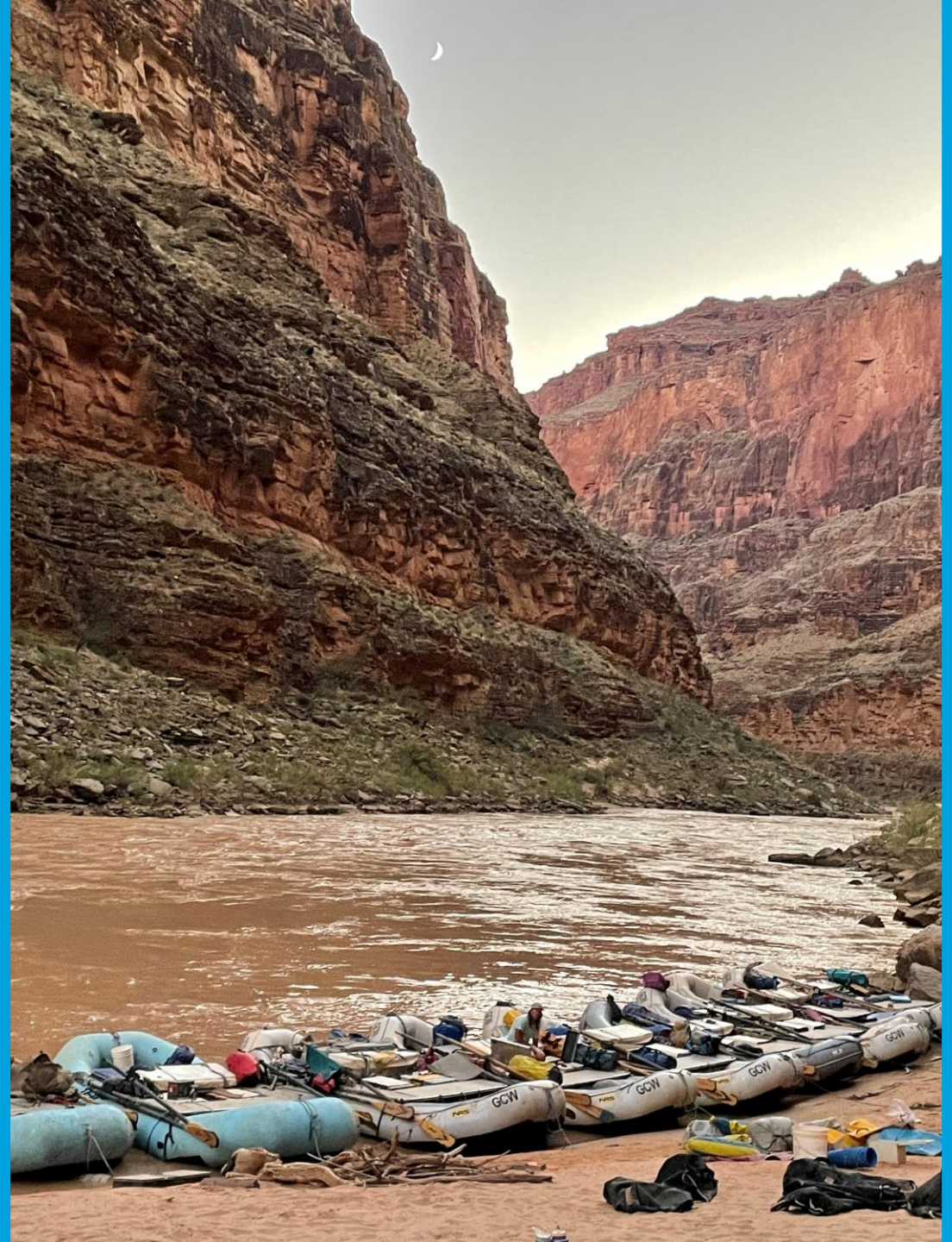
Arizona State University

Sarah Porter

s.porter@asu.edu

Arizona Water Blueprint

azwaterblueprint.asu.edu



AWE UPDATES

ULI Water Wise Development Coalition Meeting

November 19, 2025

Alliance *for* Water Efficiency

NEWLY RELEASED: WRF 5265

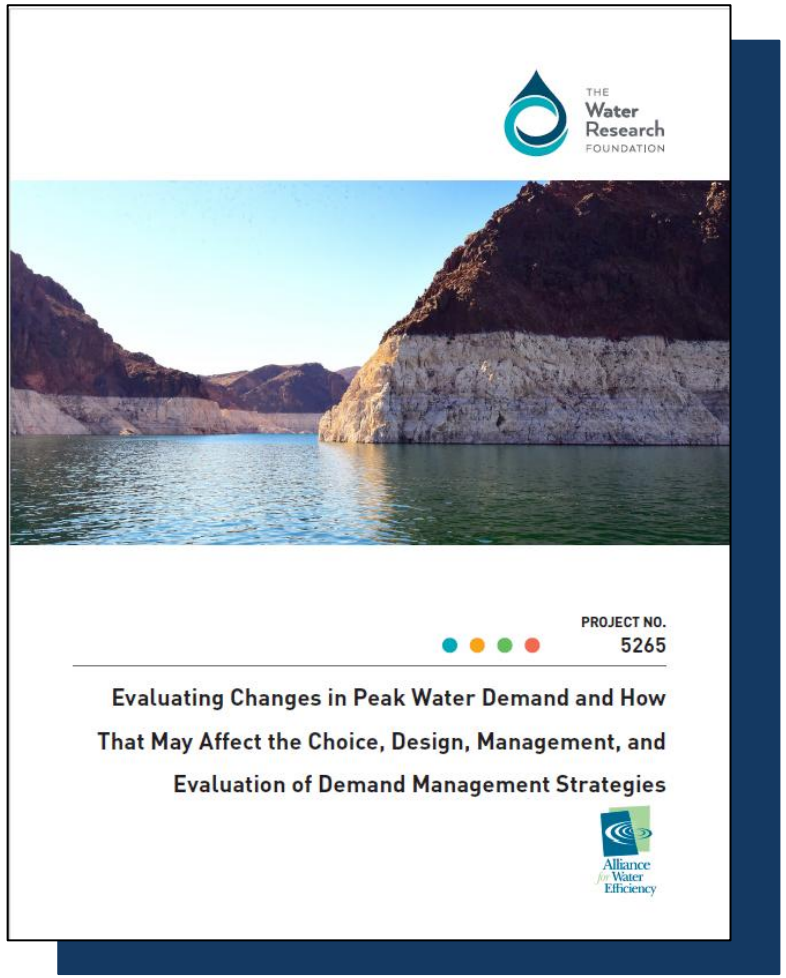
EVALUATING CHANGES IN PEAK WATER DEMAND AND HOW THAT MAY AFFECT THE CHOICE, DESIGN, MANAGEMENT, AND EVALUATION OF DEMAND MANAGEMENT STRATEGIES

The Report includes:

- An overview of water demand trends across various peak-related metrics
- Case study analyses of peak water demand history and trends
- An assessment of peak demand management strategies

Access the report here!

Upcoming WRF Webcast:
December 9, 3:00 pm ET.
Registration details to come!



RESEARCH DEVELOPMENT: WATER REUSE & EFFICIENCY

Pre-Proposal for WRF's Tailored Collaboration Program, in partnership with Water Reuse Association: **"Strategies for Integrating Water Reuse and Water Efficiency / Conservation to Maximize Benefits"**

Identify examples & best practices for integrating centralized water reuse systems and WUE / conservation strategies

Develop a guidance offering practical insights, planning approaches, technologies, and organizational practices

Convene a peer network of water professionals working on reuse and conservation

Reach out to Johanna DeCotis Smith at Johanna@a4we.org to learn more and participate in this research.

Resources & Updates

ULI Opportunities

- **Convening local roundtables and/or focus groups between public and private sector** land use and water professionals, aimed at supporting water-wise real estate and supportive policies. Reach out if you or someone you know is interested!
- **Documenting the business case for water-wise land uses**. Please let me know if you have case studies that demonstrate the financial ROI for water-wise real estate and built environments!
- **NEW article series in Urban Land Magazine** about coalition meeting topics – opportunity for authorship!

Interested? Email Marianne.Eppig@uli.org

Generously supported by:

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Urban Land Institute

Programming Brainstorm

Let us know what you want for coalition meetings!

Cohort Programming Agenda	Subject Brainstorm
Jan/Feb 2026	Data center water use and industry best practices
April/May/June 2026	Water Demand Calculator (IAPMO, Fort Collins?)
July/Aug/Sept 2026	Agriculture/development interface? (Robert Sakata, Sonoran Institute/Waverly Klaw on Bridging the Gap)
Oct/Nov/Dec 2026	Development review process and developer/government interface?
Jan/Feb/March 2027	MLS listings and water use/efficiency?

Urban Land Institute

SURVEY

We’d love to hear from you!

Please take 5 minutes to complete the program survey:

- Using the QR code here
- Or using the link: https://urbanlandinstitute.qualtrics.com/jfe/form/SV_cveKlXiIqshnjwy

Impact stories/testimonials may be featured by ULI!

Urban Land Institute

THANK YOU FOR JOINING US!

You can reach me at Marianne.Eppig@uli.org

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