

Water Resources Division

**Water Report
and Water
2120 Update**

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Water Resources Manager**

SUPPLY METRICS SNAPSHOT

August 2025
(July Supply Data)

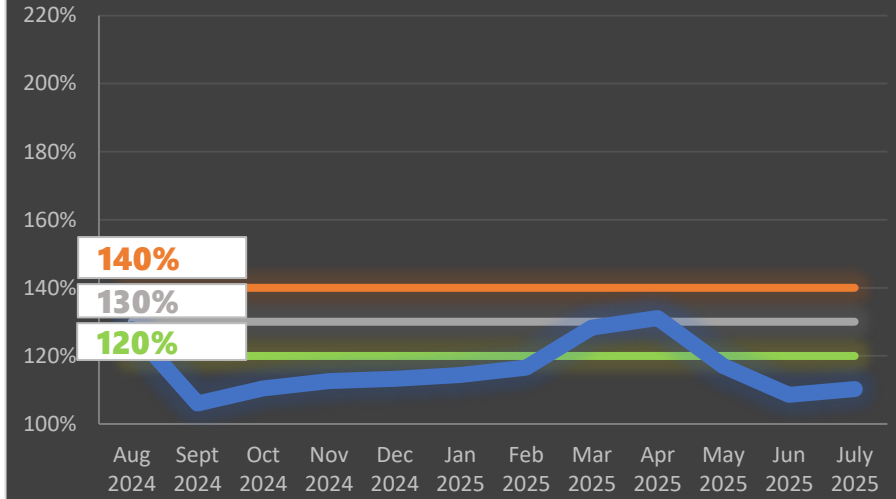
100%

Water Authority
Drought Stage:
Drought Advisory

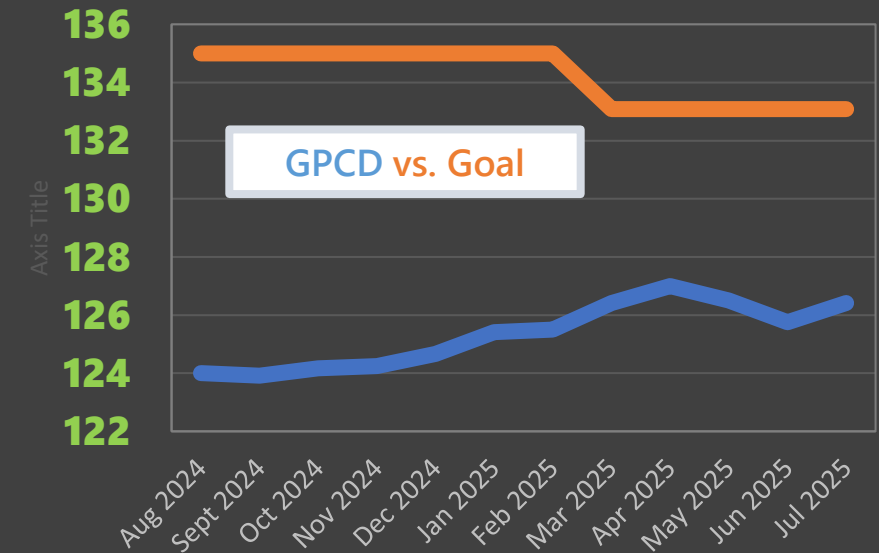
D0 D1 D2 D3 D4

Groundwater Production
Surface Water Production

GW Pumping vs Goal



GPCD vs. Goal



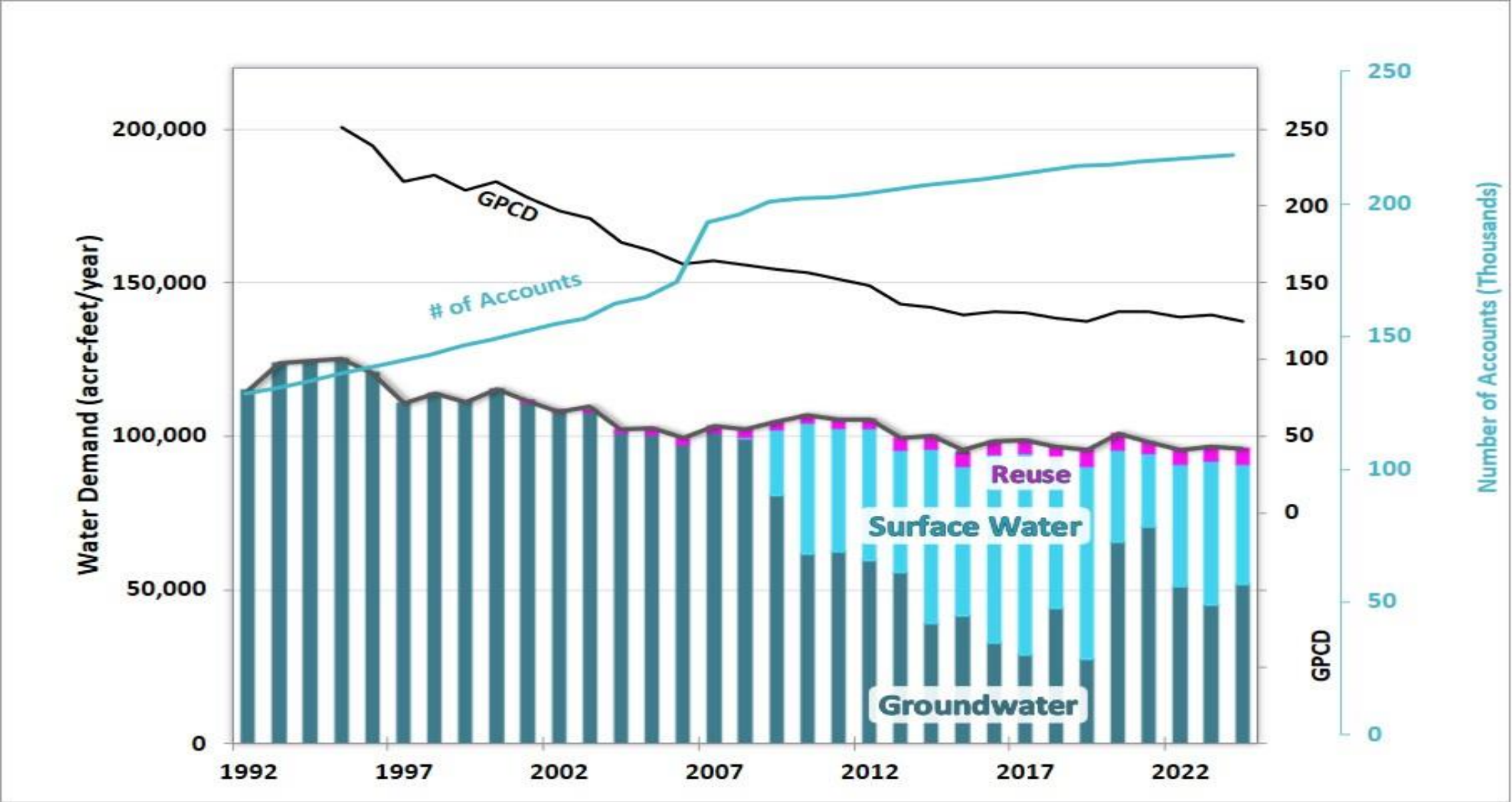
Drought Stages

Groundwater Production / GPCD	DSCI ≥ 300	Less than 120% of the Annual GW Production Goal	Between 120% and 130% of GW Production Goal	Between 130% and 140% of GW Production Goal	More than 140% of the GW Production Goal
0 to < 2 GPCD over the goal	Stage 0	Stage 0	Stage 0	Stage 0	Stage 1
2-4 GPCD over the goal	Stage 0	Stage 0	Stage 1	Stage 1	Stage 2
4-6 GPCD over the goal	Stage 0	Stage 0	Stage 1	Stage 2	Stage 3
> 6 GPCD over the goal	Stage 0	Stage 1	Stage 2	Stage 3	Stage 3

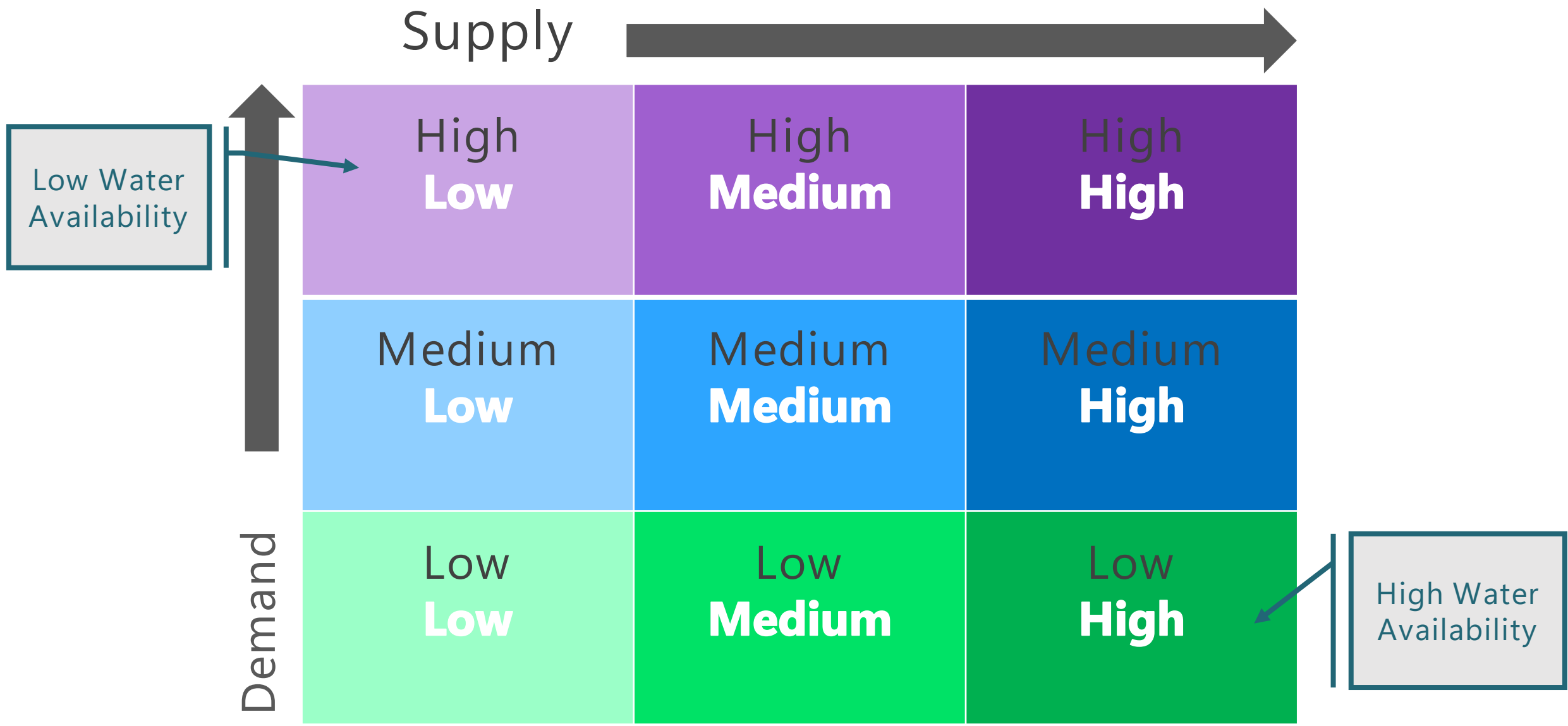
Water 2120: **10 Year Update**



Where We Have Been

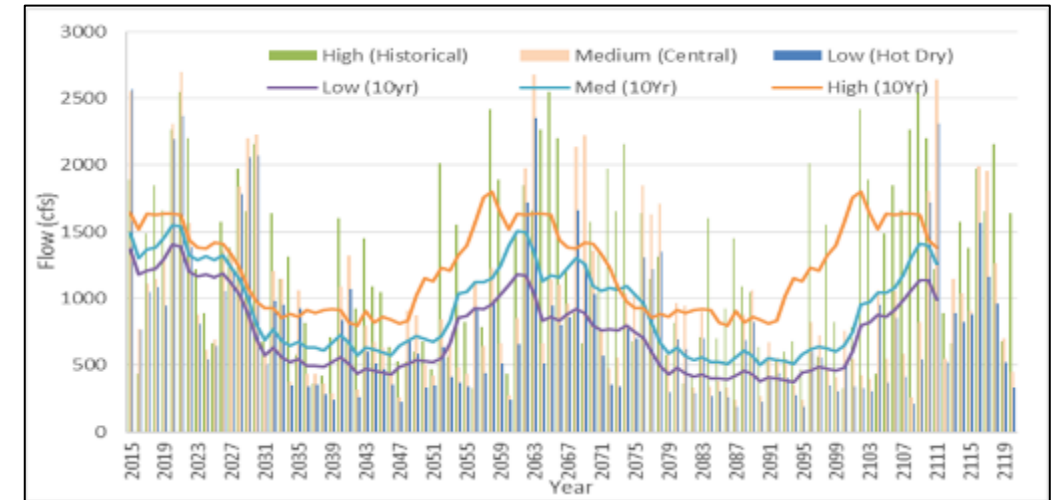
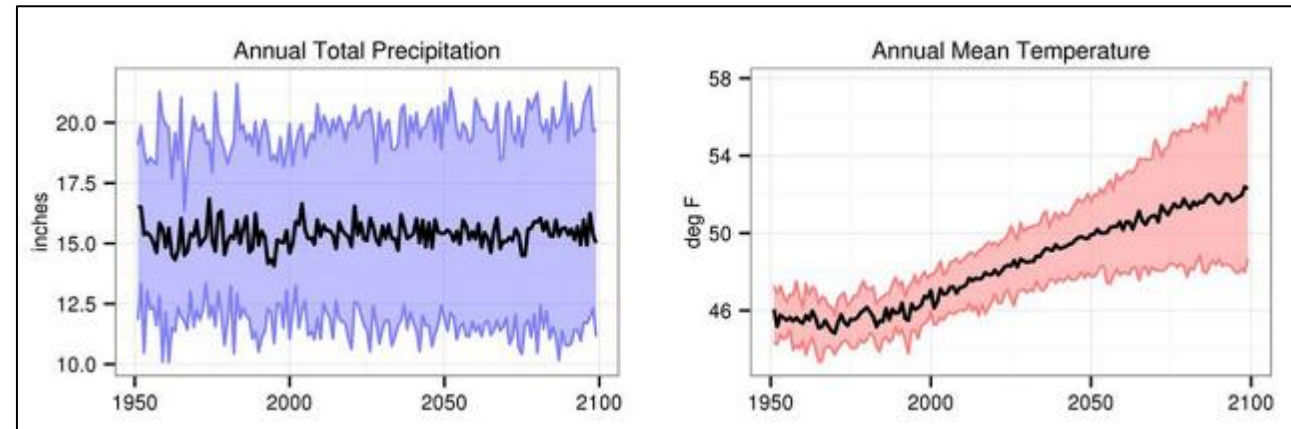


Water 2120: Planning for Change



Climate Change and Supply Availability

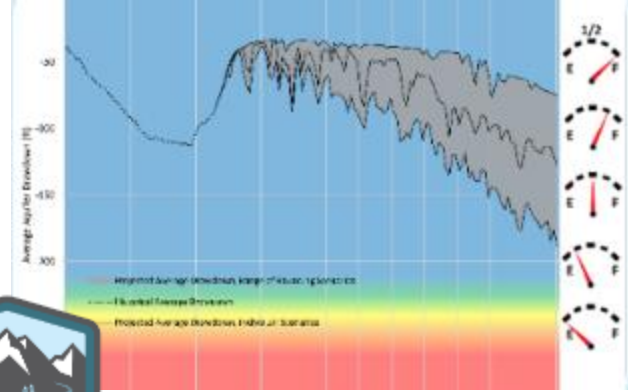
- *Water 2120* integrates climate change risk analysis
- Predicted spring runoff peaks happening earlier in the year
- Climate change analysis anticipates drought and shortage in surface water supply



Key Outcomes of *Water 2120*



CONSERVE



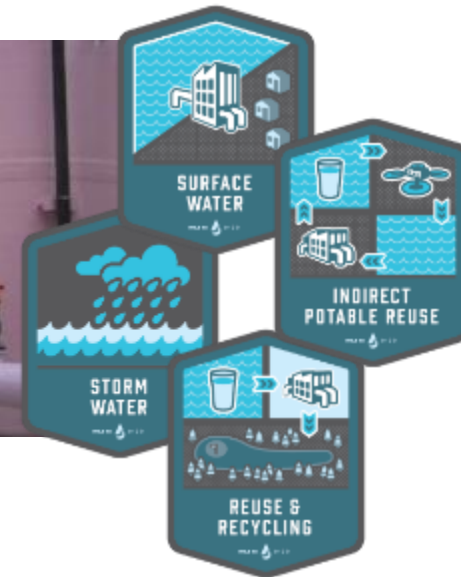
MANAGE



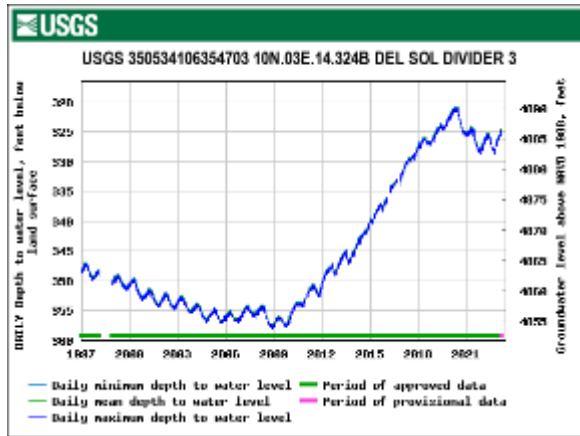
STORE



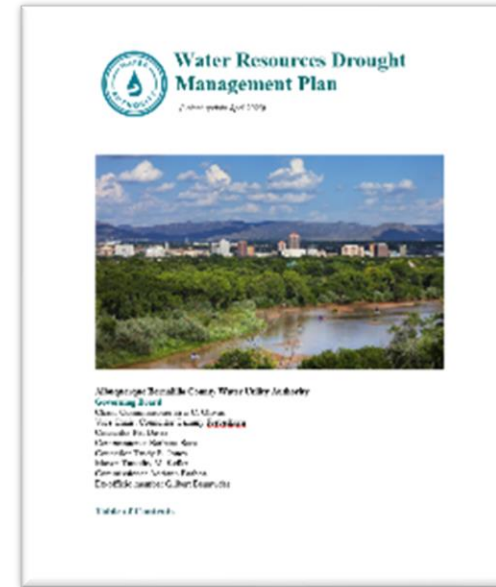
DIVERSIFY



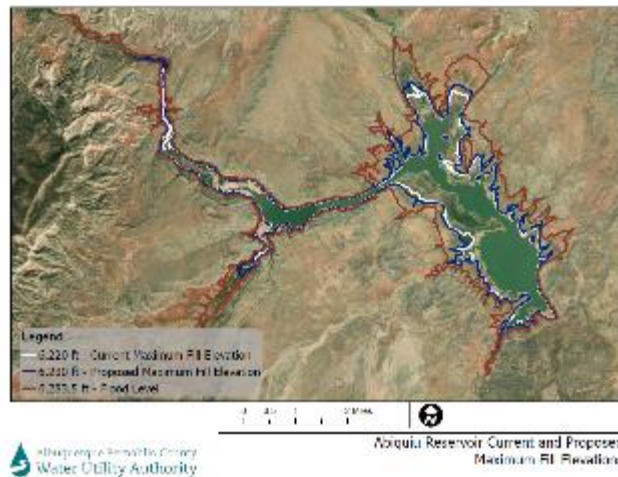
Water 2120 Policies



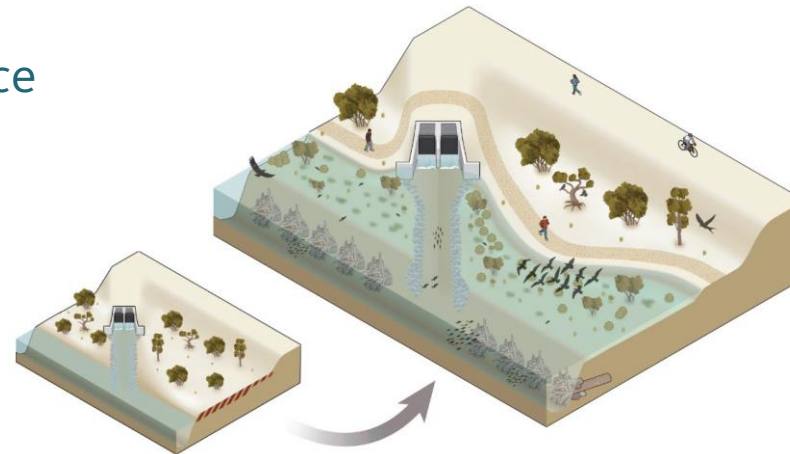
Establish and Maintain a Groundwater Reserve



Update and Maintain the Water Conservation Strategy



Protect and Enhance Storage of Native and San Juan- Chama Water

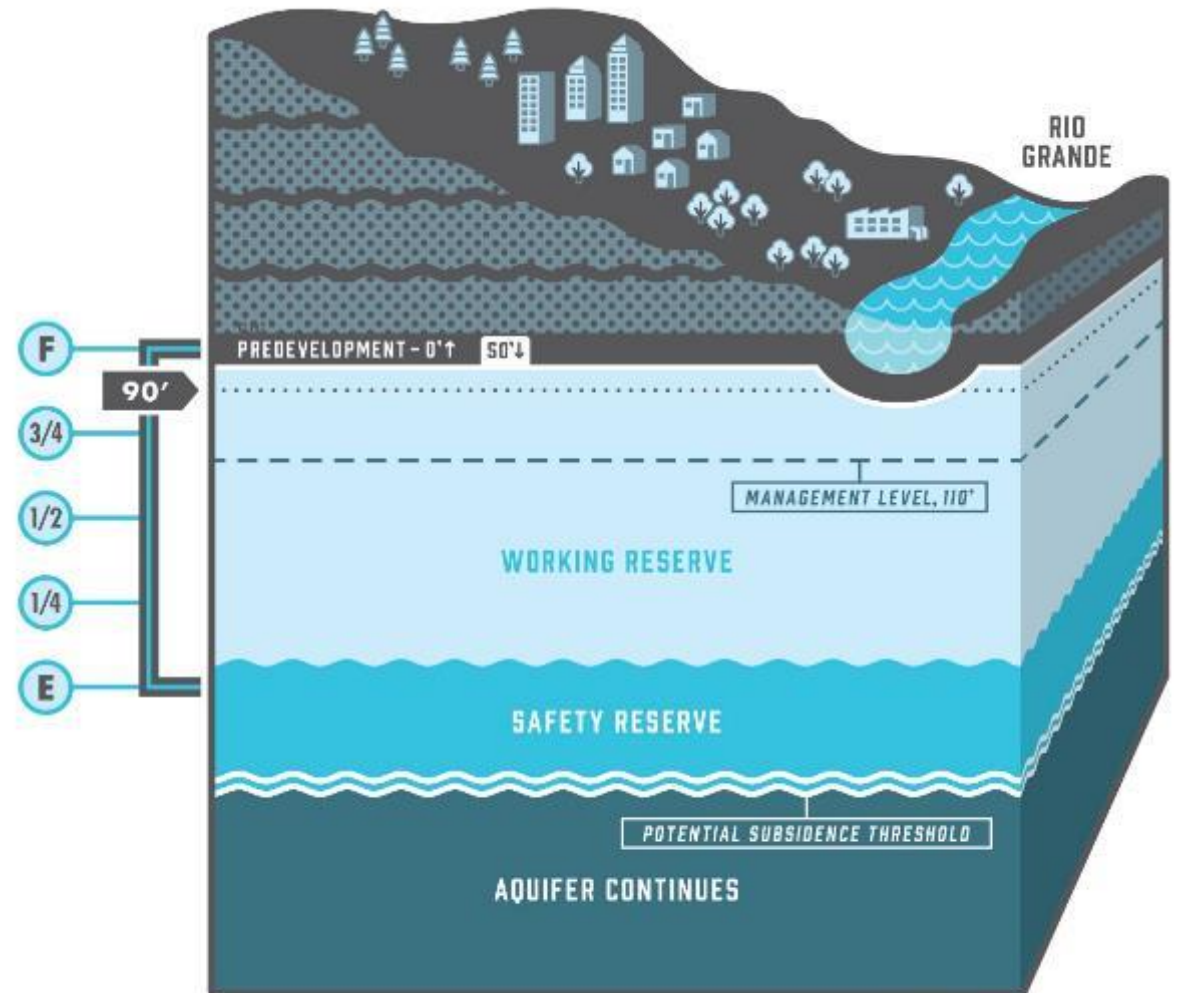


Protect Valued Environmental and Cultural Resources

Groundwater Management Levels

Relative to pre-development (the elevation of groundwater before affected by pumping):

1. Working reserve 50-250 ft drawdown
 2. Safety reserve 250-300 ft drawdown
 3. 110 ft is target for average well drawdown
- Below 300 feet = potential for aquifer compaction
 - "Fuel gauge" is water level relative to 250ft



Graph not to scale

Task 1: 2026 Decade Update

- What has happened since Water 2120 was passed in 2026?
- Progress over the last 10 years

WATER 2120

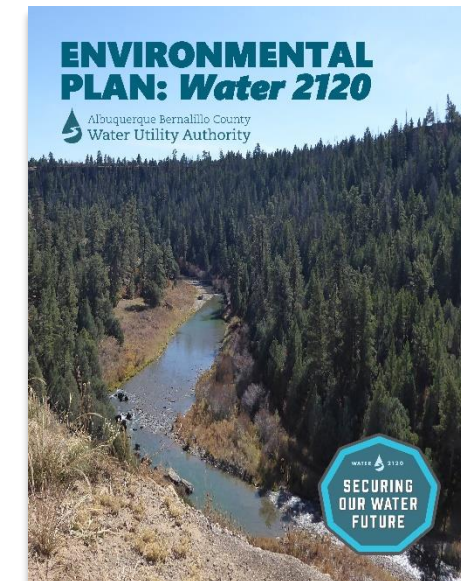
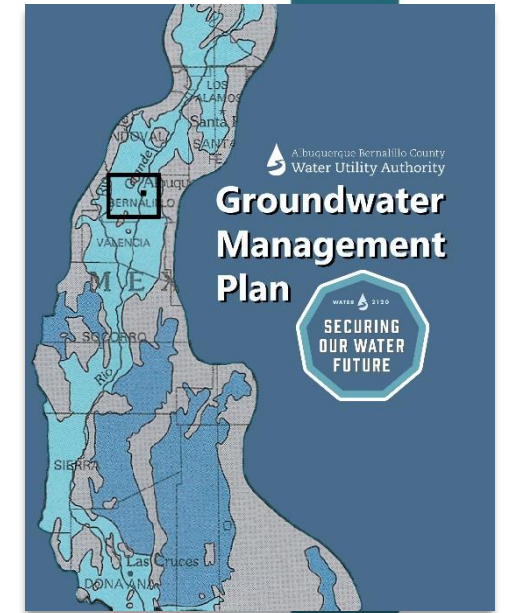
100-Year Resource Management Plan

2026 Decade Update



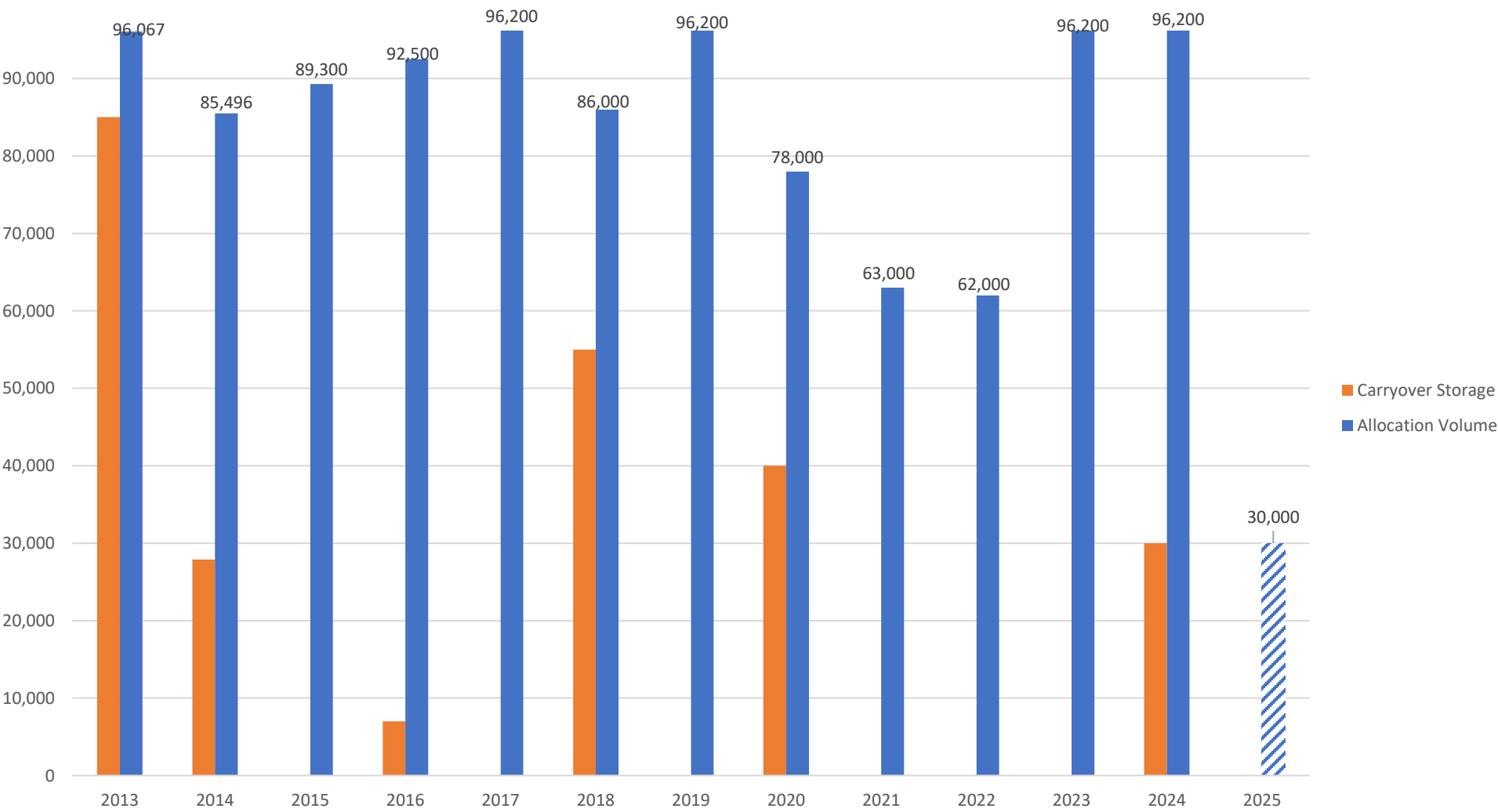
Implementation Plans

- Water Conservation Plan (2018)
- Rivers and Aquifers Protection Plan (2018)
- Environmental Plan (2021)
- Reuse Plan (2021)
- Groundwater Management Plan (2021)
- Drought Management Plan (2023)

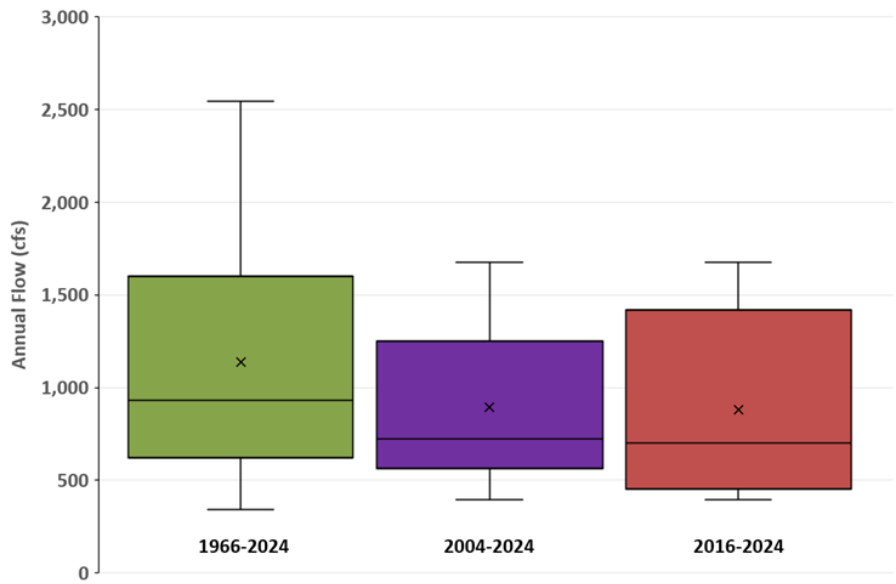
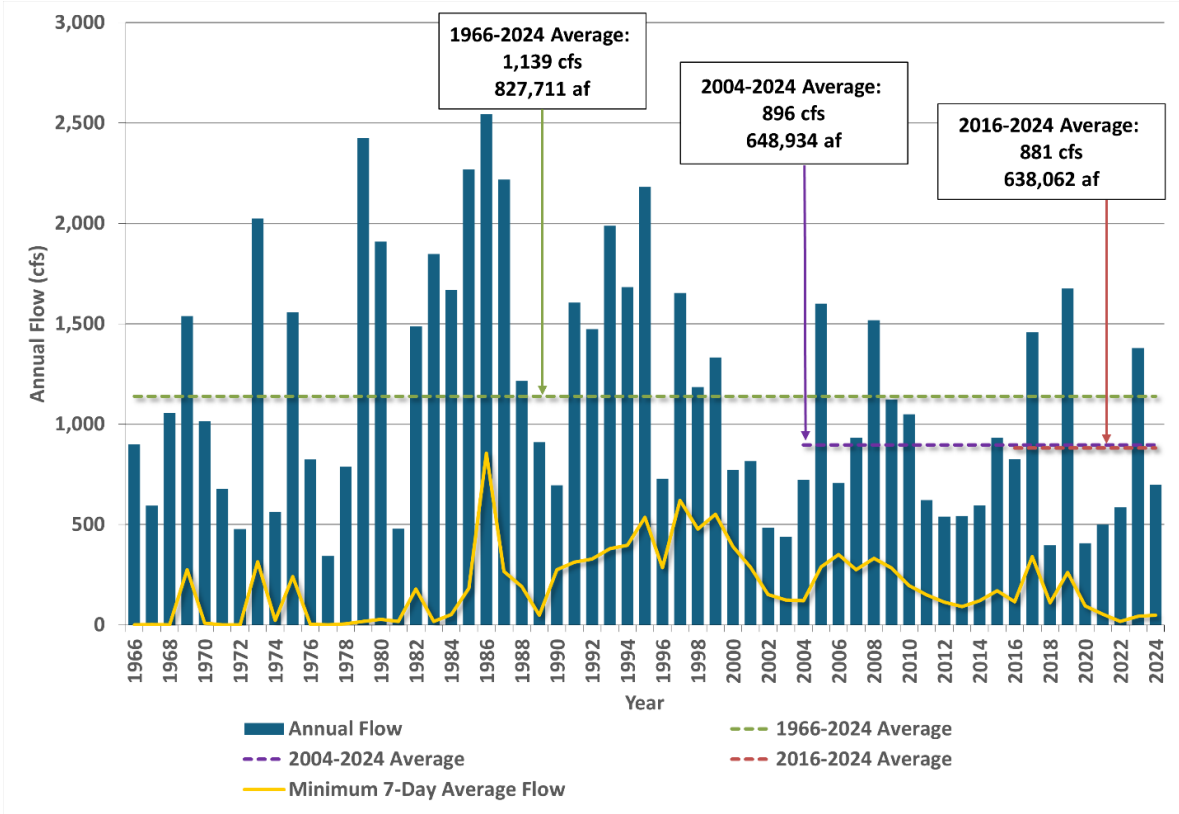


Supply- Surface Water

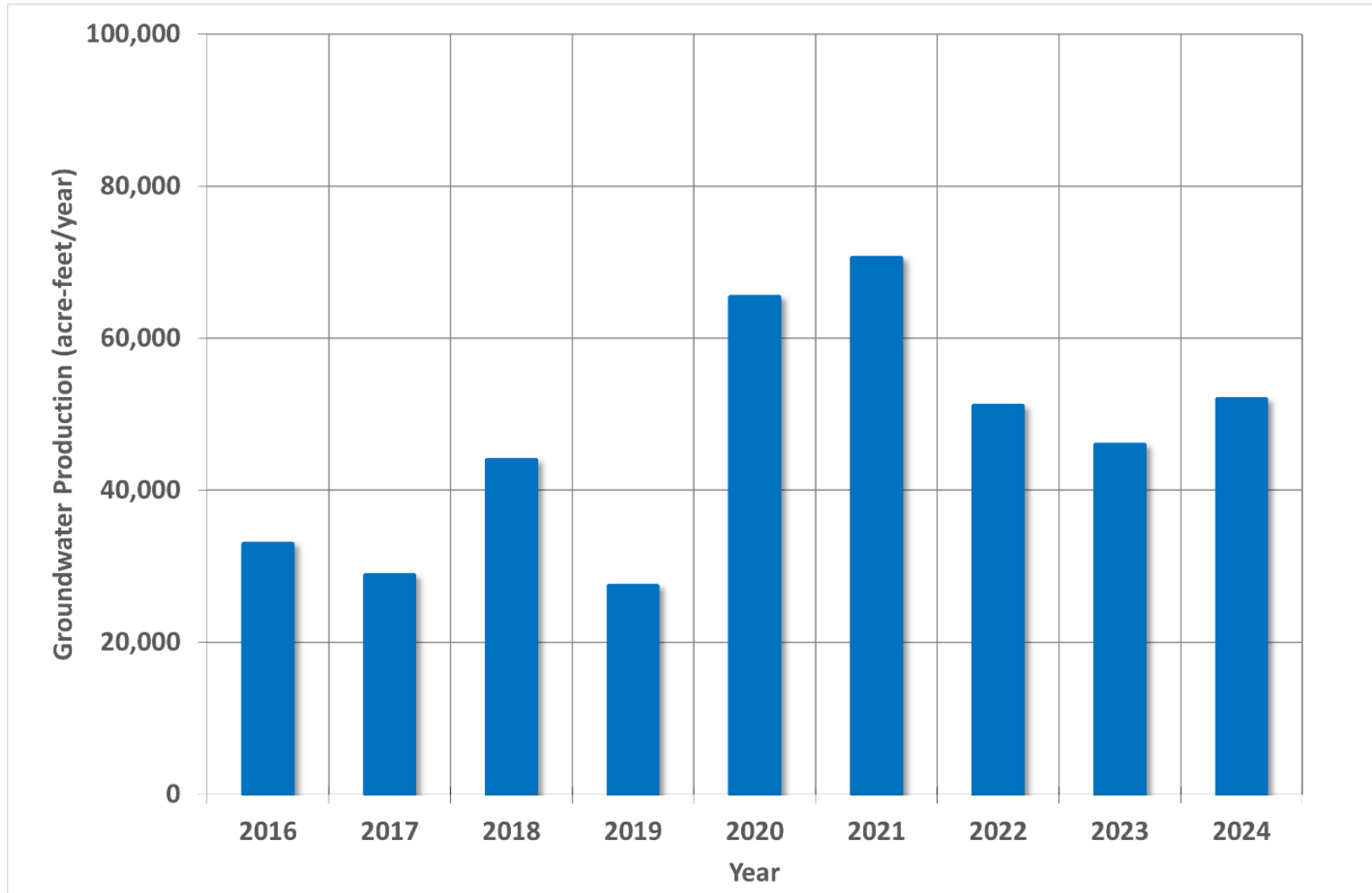
SJCP Allocation
(acre-feet)



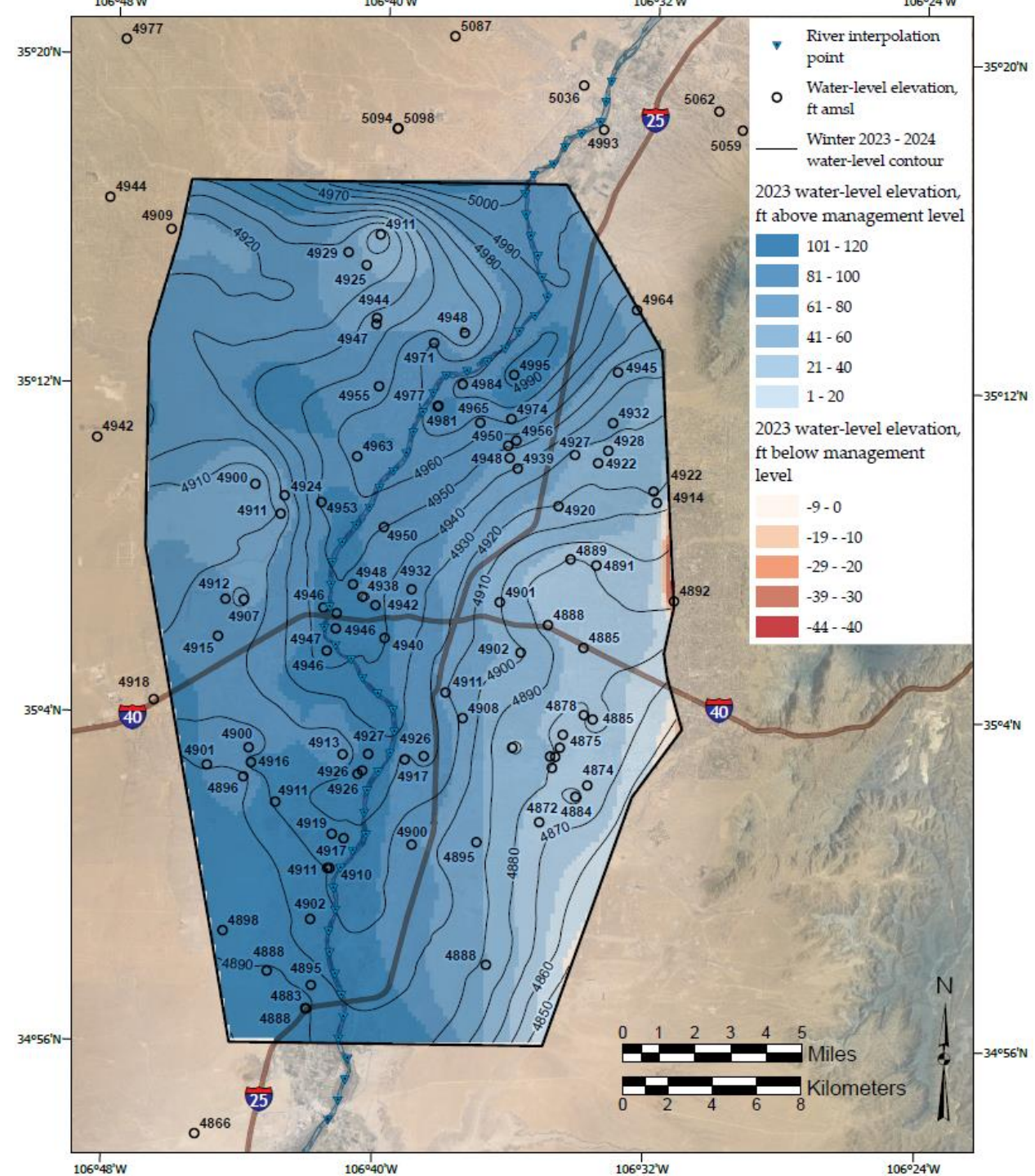
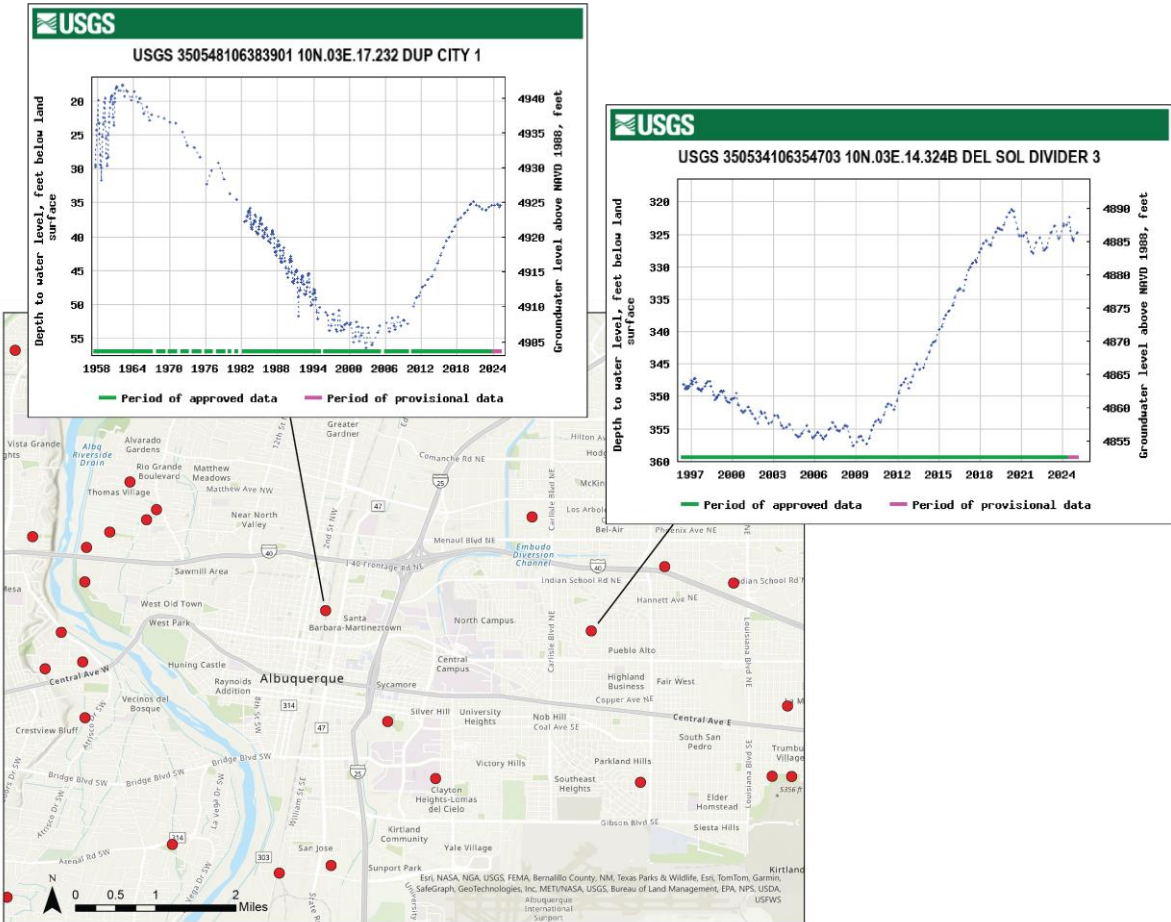
Supply-Surface Water



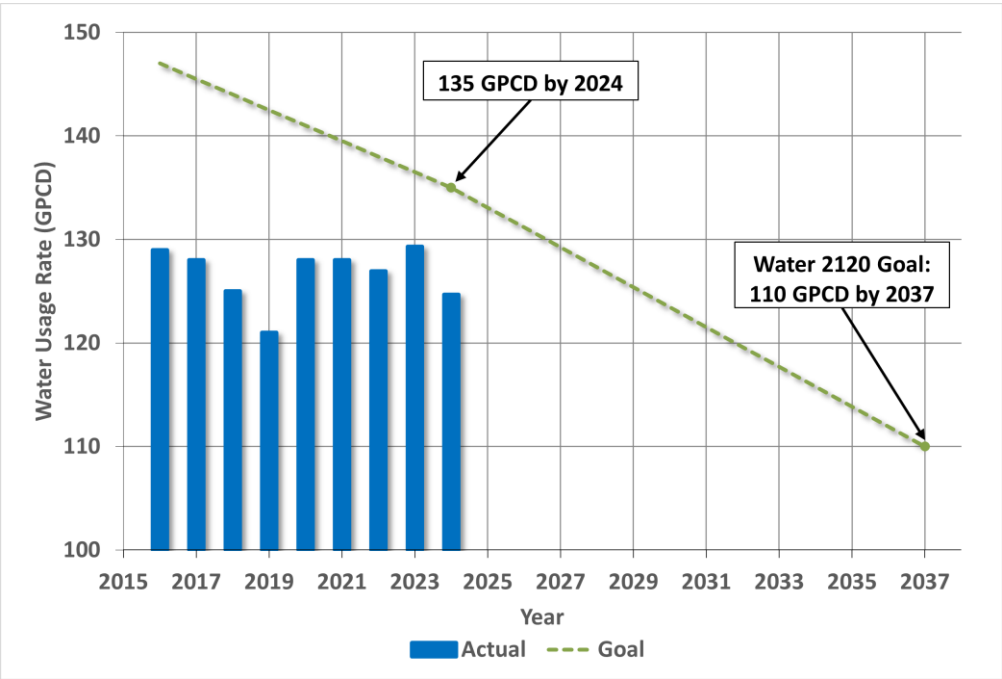
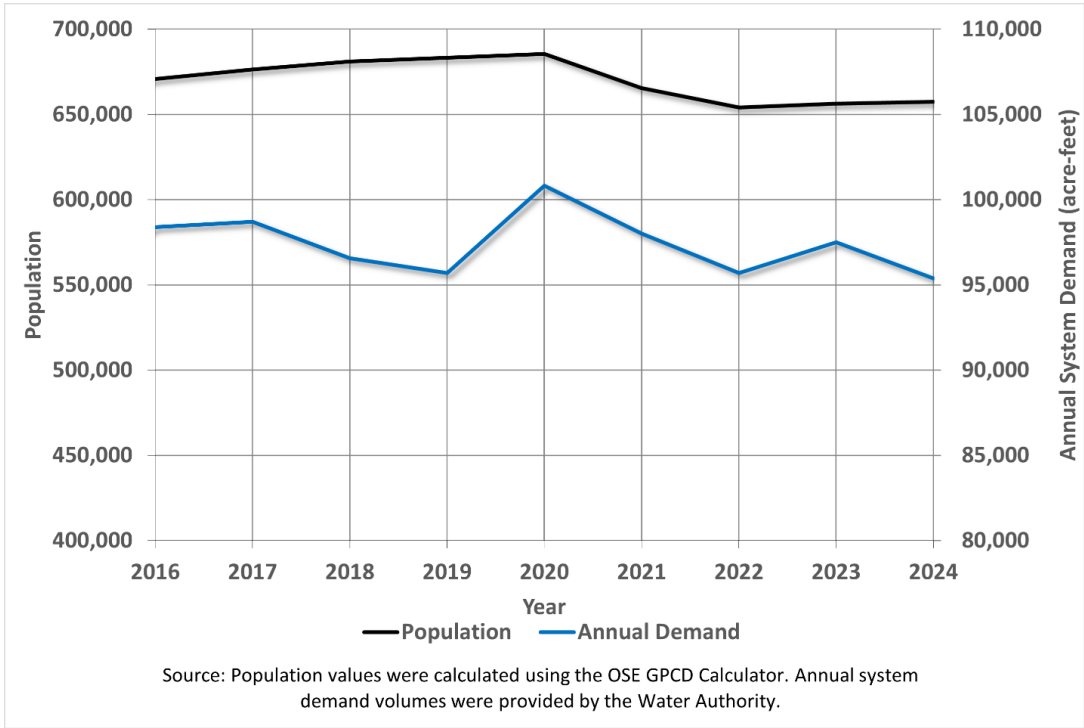
Supply- Groundwater



Supply- Groundwater



Demand



Next Steps

- ☒ Task 1: 2026 Decade Update
- ☐ Task 2: Update Demand
- ☐ Task 3: Update Supply
- ☐ Task 4: Evaluate Gaps between Projected Supply and Demand
- ☐ Task 5: Revise Portfolios
- ☐ Task 6: Update Policies as Needed
- ☐ Task 7: Meetings and Annual Reporting
- ☐ Task 8: Final Reporting





Presentation to ABCWUA Board August 20, 2025

Water 2120 in the context of long range planning in the United States

Water Utility Climate Alliance (WUCA)



Water Utility Climate Alliance (WUCA)

WUCA Key Messages



Warming is here and now. Climate adaptation planning is not just about the future. Water utilities are experiencing the effects of a changing climate on their water resources today.



Know your system and explore its vulnerabilities. Assess your water system to identify vulnerabilities. Risks can only be reduced if they are identified.



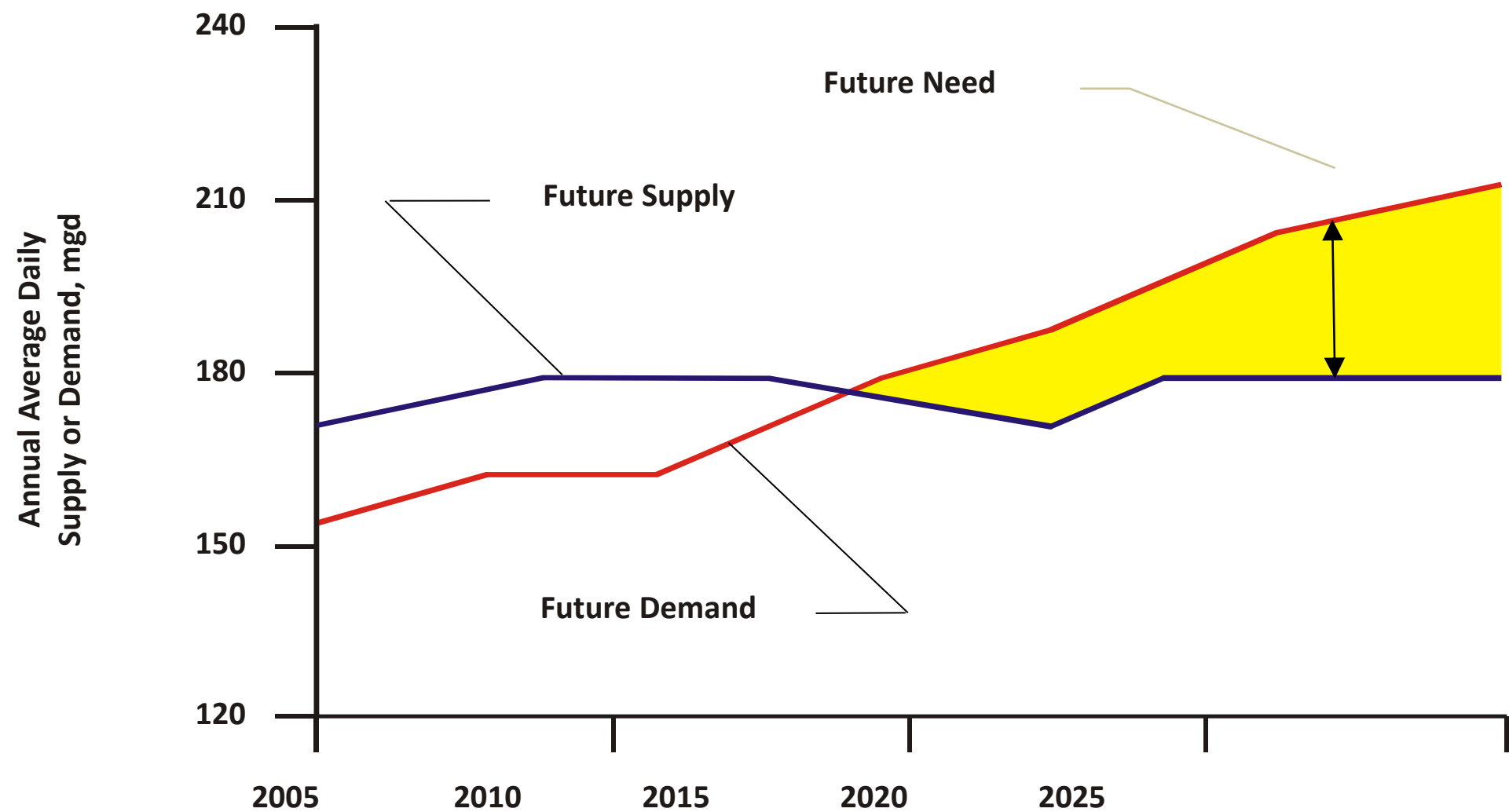
Plan for multiple futures. Predicting the future is not feasible but anticipating plausible warmer future climates is. Prepare to face a variety of scenarios.



Capacity building and assessment are part of the adaptation equation. Developing the technical and managerial expertise to identify and assess climate risks to a system is as much a part of adaptation as the steps taken to implement risk reduction measures.

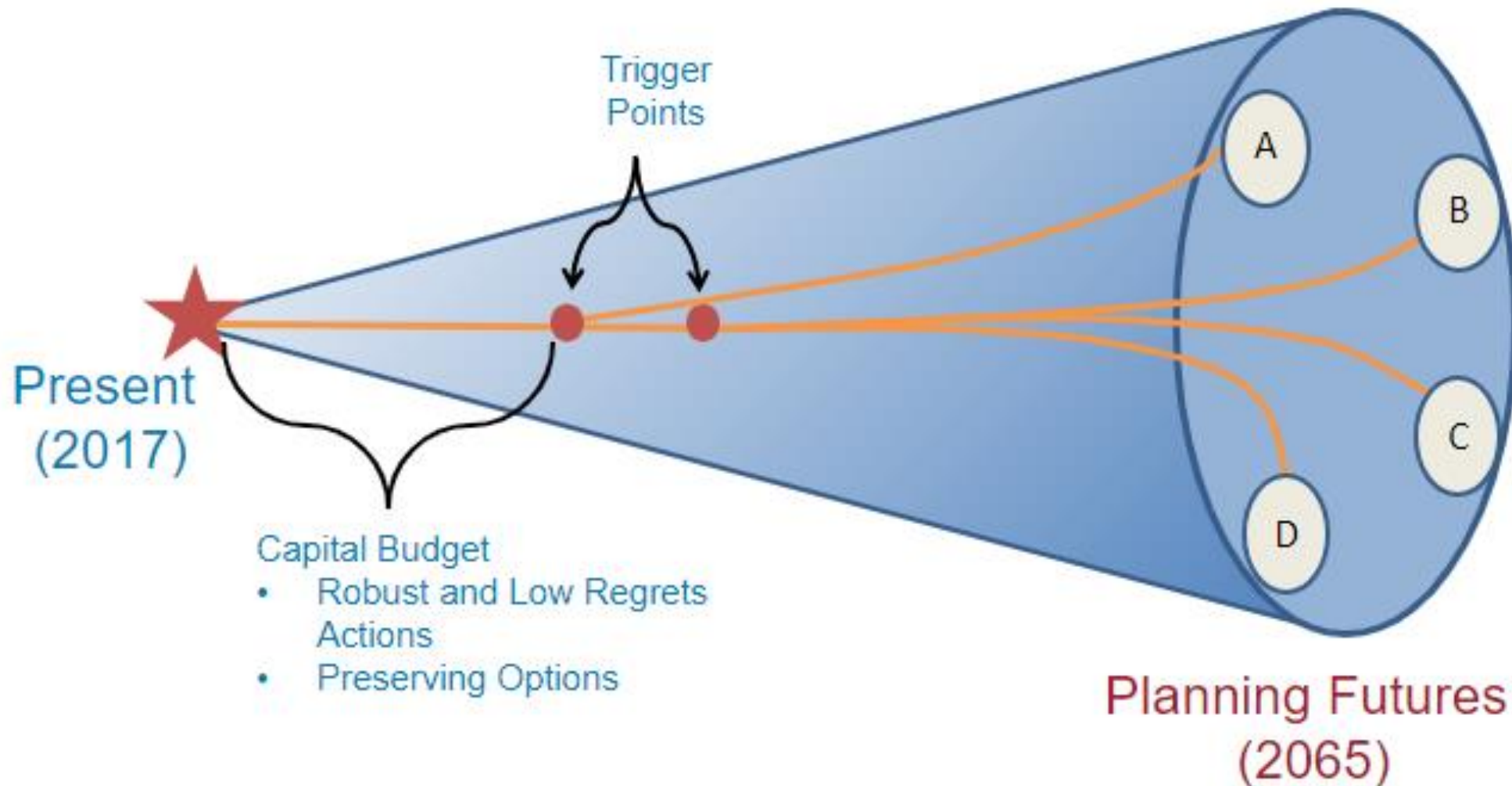
Overview: How and why scenario planning is useful

Deterministic Planning



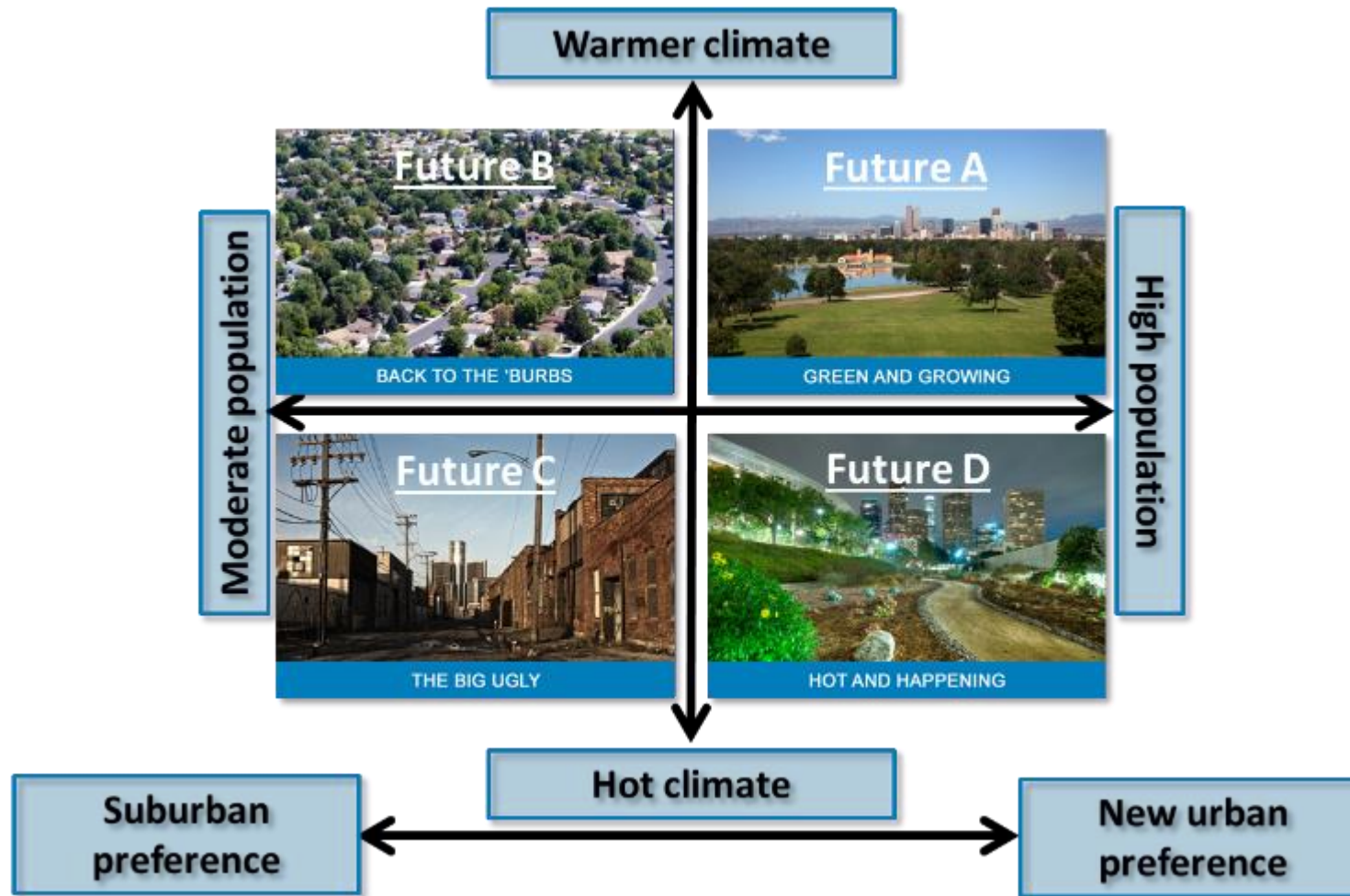
Overview: How and why scenario planning is useful

Scenario Planning: the Cone of Uncertainty



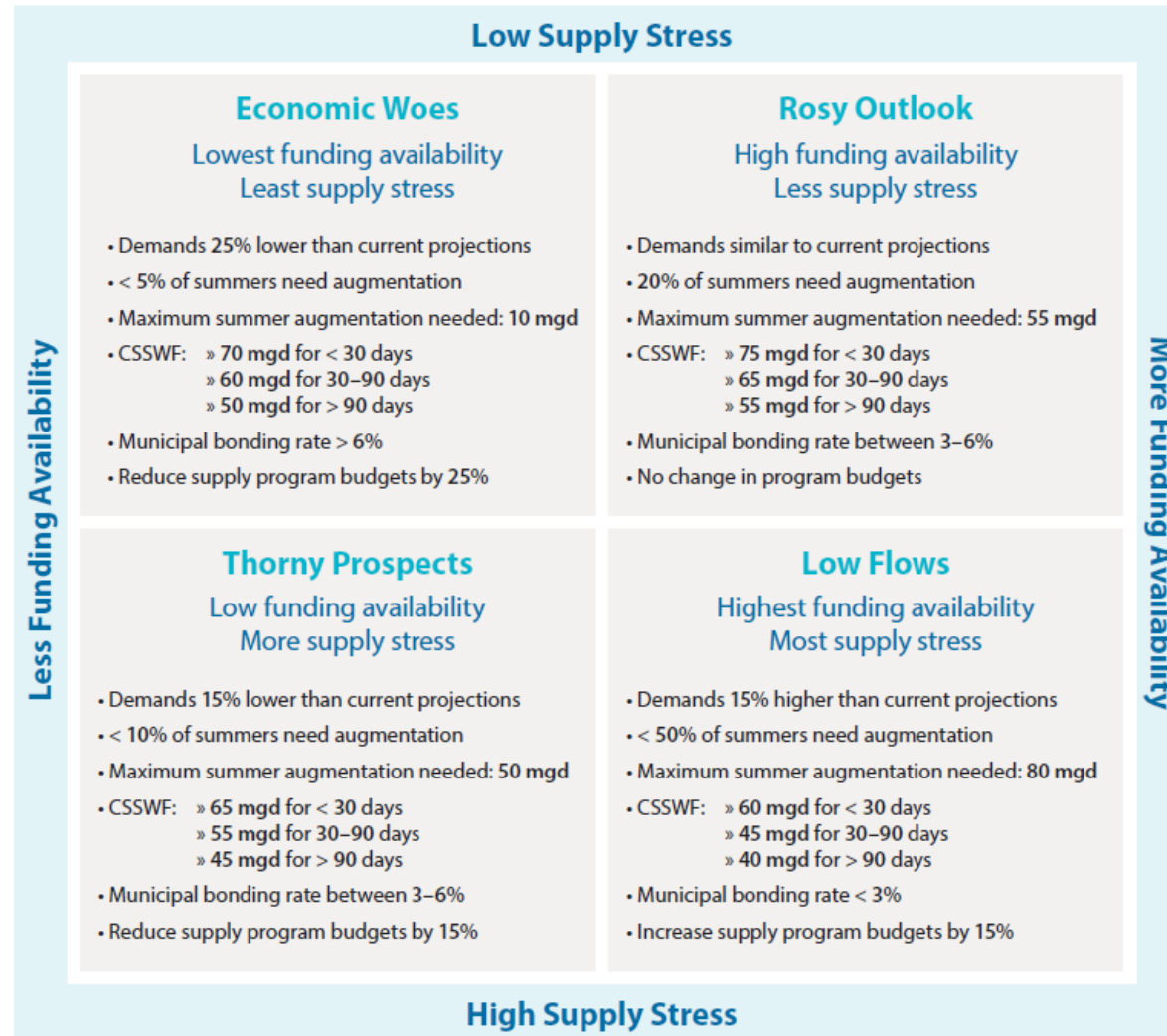
Peer Examples – Denver Water

Build Scenarios



Credit:  **DENVER
WATER**

Peer Examples – Portland Water Bureau



Credit:





Questions?