

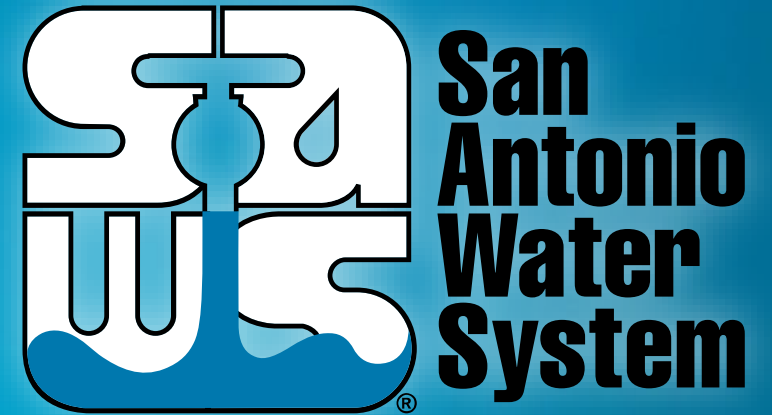
2024 Water Management Plan

Donovan Burton

Sr. Vice President, Water Resources & Governmental Relations

City Council Briefing

June 13, 2024



MAKING SAN ANTONIO
WATERFUL





A B C D...E's of SAWS

- A Largest **A**quifer Storage & Recovery
- B State of the art **B**rackish desal plant
- C Best **C**onservation programs
- D Largest **D**irect **R**ecycled water system
- E **E**mployees

Achievements as a Leading Utility



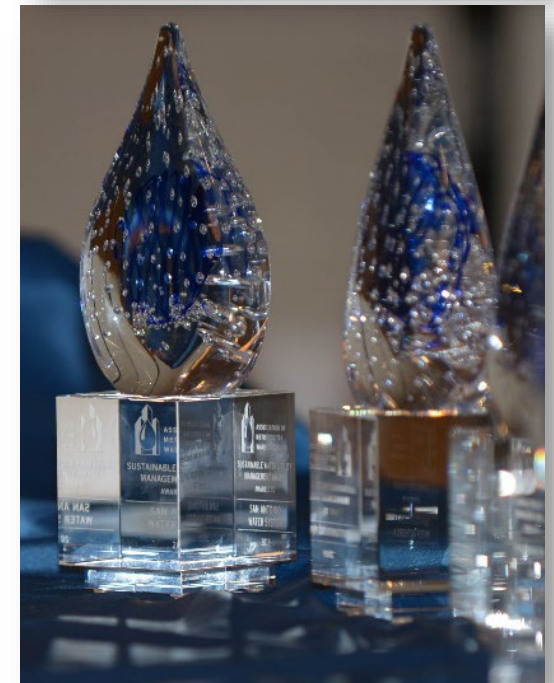
**TOP
WORK
PLACES
2024**

USA

Top Workplaces
again and again...

Leading Utilities of
the World Award

Sustainable Water Utility
Management Award



2024 WMP Development

What is the Water Management Plan (WMP)?

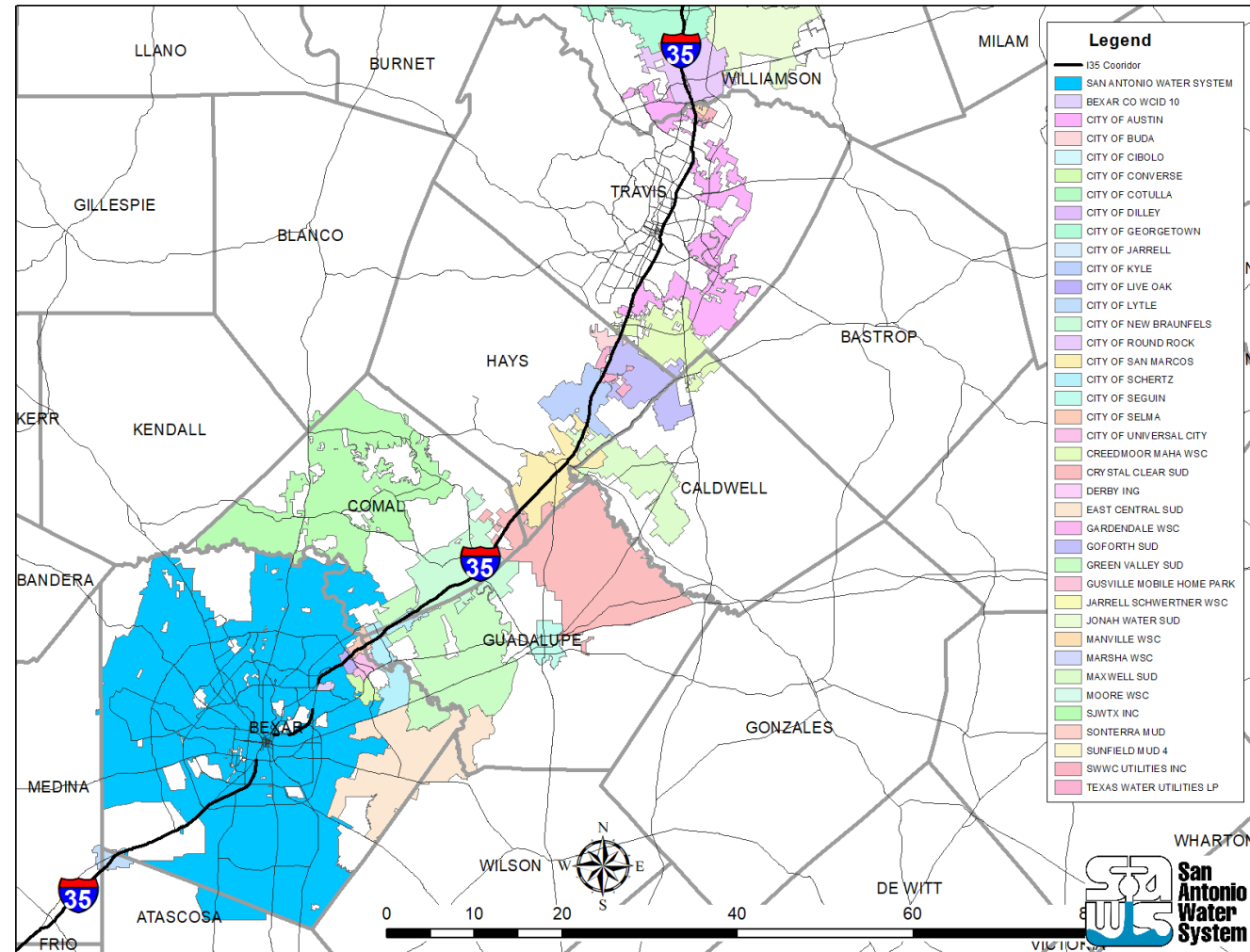
- Guiding document to meet long-term water needs
 - Population projections
 - Water demands
 - Conservation programs and goals
 - Water supplies



One of Fastest Growing Regions in Nation

I-35 / SH 130 Corridor

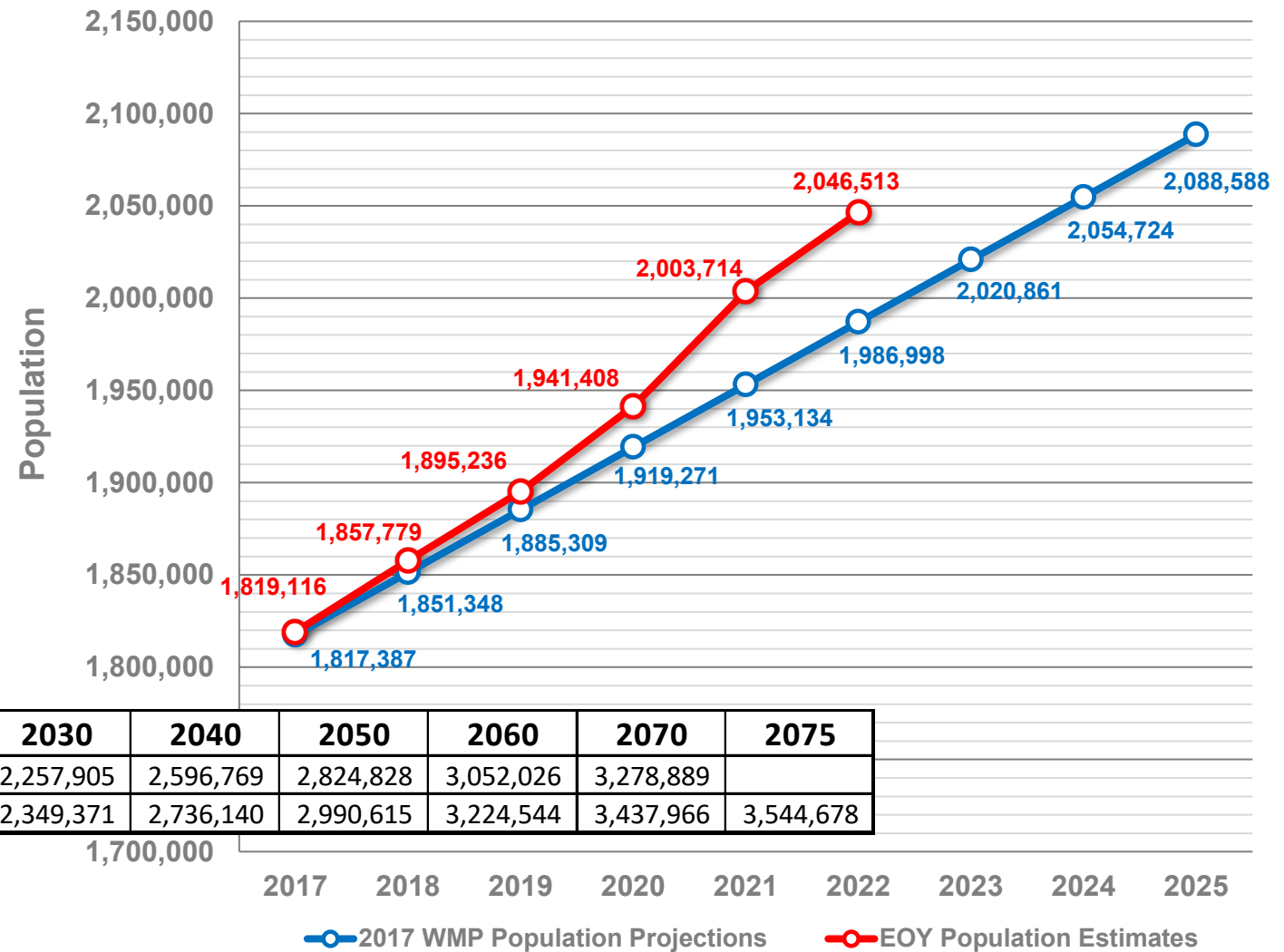
5 Million
Neighbors



Population Projections

SAWS Growth

- Fastest Growing Cities
- 617,000 more by 2040
- 1.4 million more by 2075 (67% increase)



Plan Population Projections	2024	2030	2040	2050	2060	2070	2075
2017 WMP Population Projections	2,054,724	2,257,905	2,596,769	2,824,828	3,052,026	3,278,889	
2024 WMP Population Projections	2,118,933	2,349,371	2,736,140	2,990,615	3,224,544	3,437,966	3,544,678

Political, Legal and Regulatory



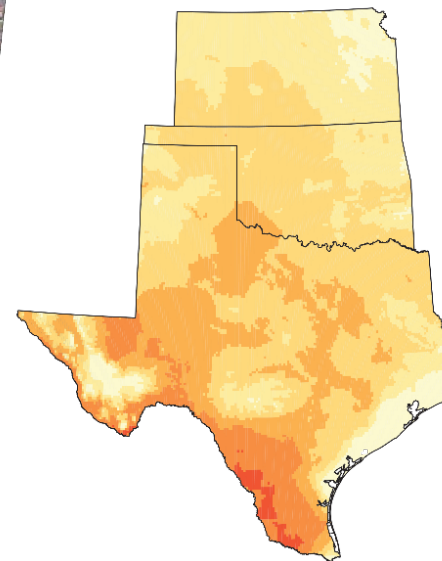
Water Management Planning

Climate Extremes

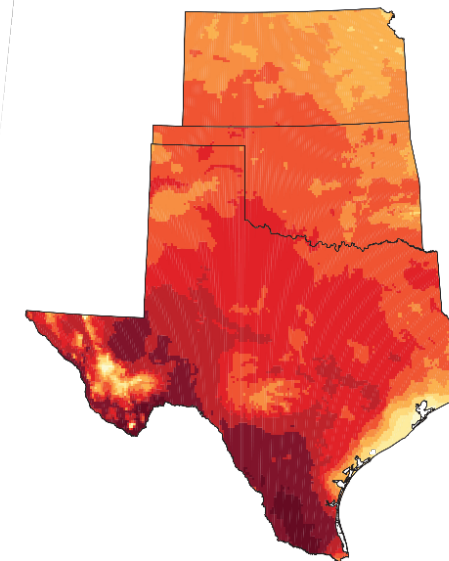


Late 21st Century

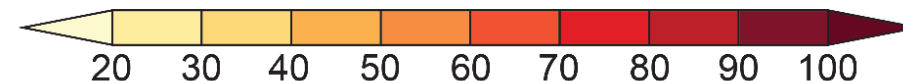
Lower Scenario
(RCP4.5)



Higher Scenario
(RCP8.5)

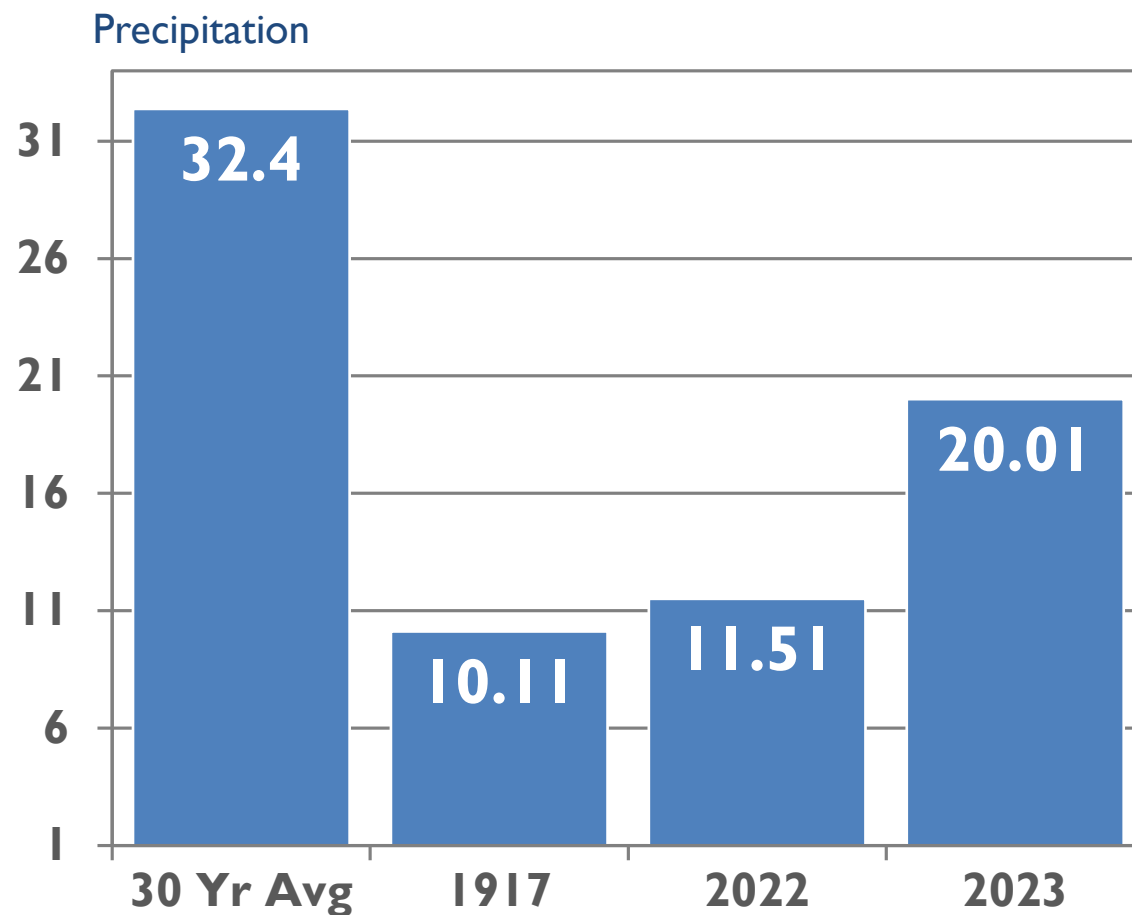


Change in Number of Days



Climate Change

Multi-year drought impacts to supply and demand



- **2022 - 2nd Driest year on record**
- **2023 - Hottest summer on record**
- **2024 - Extreme Drought ongoing**

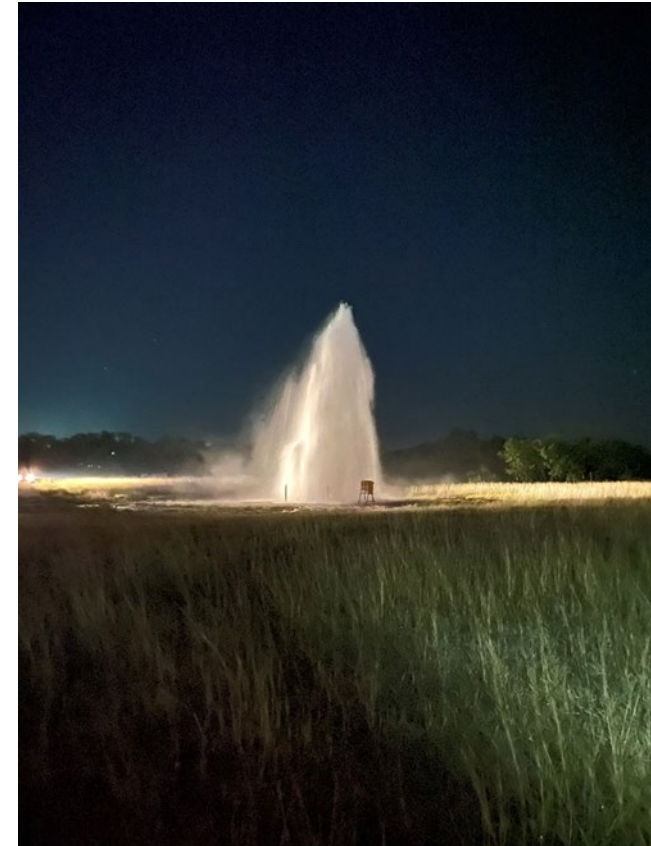
Drought Planning

Assumptions

- Hybrid Drought Plan
 - 9-Year Duration of 1950s
 - Intensity of 2011-2014
 - Lessons learned from ongoing drought

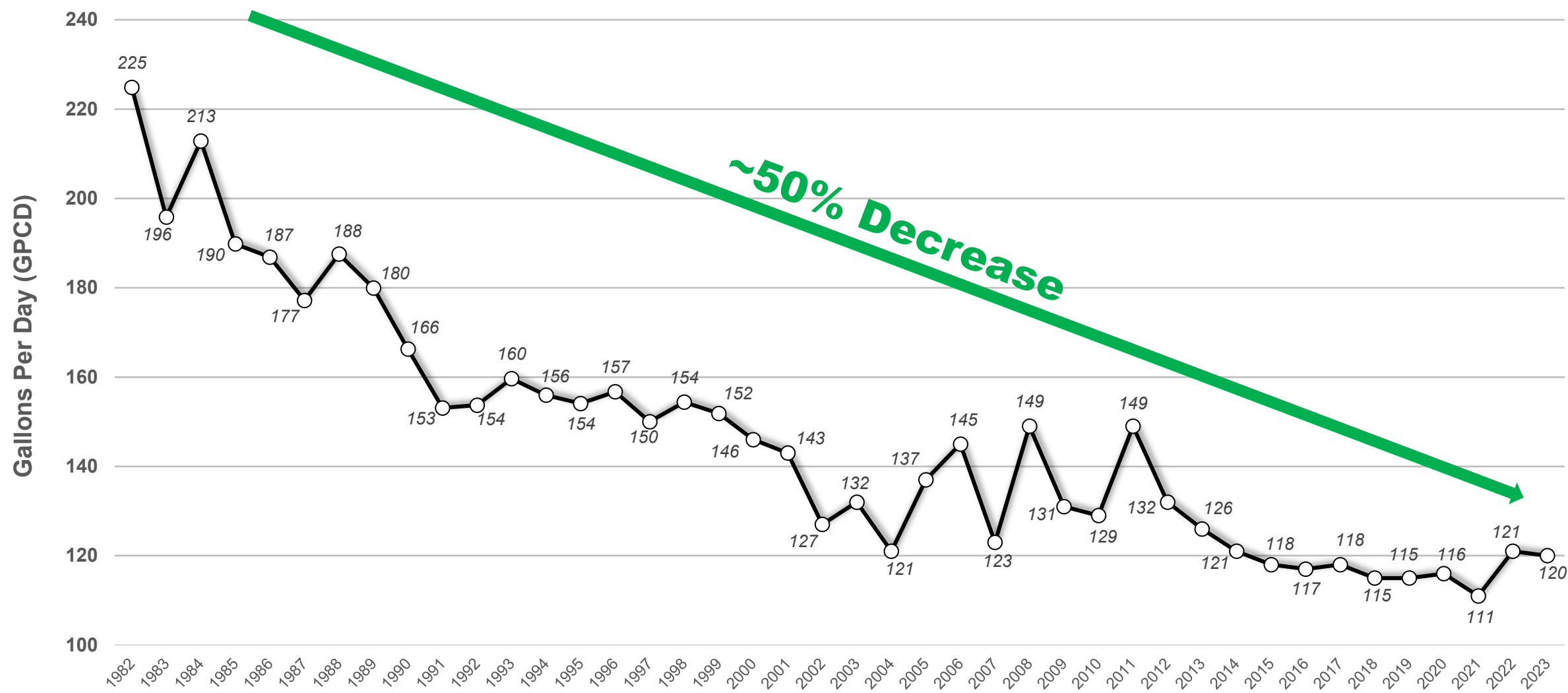


Supply Disruptions



Instantaneous loss of source water (*i.e. 25% of total production*) with **no impact to service delivery!**

Conservation





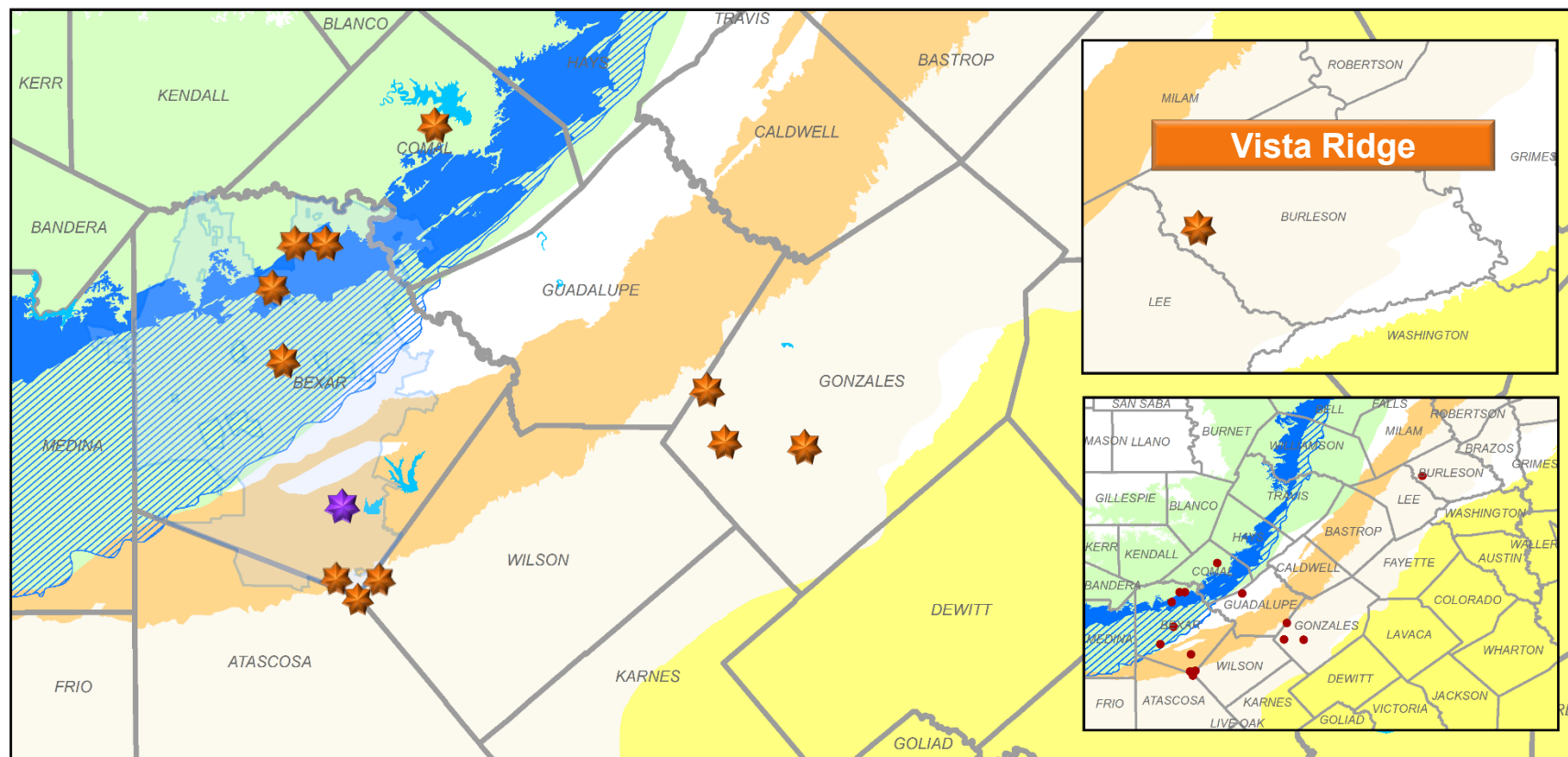
Strategic Energy Management

Conservation

- **Strategic Energy Management**
- **Reducing Energy Intensity**
- **Support San Antonio's Climate Action Plan**
- **Support CPSE Demand Reduction**

Supply Diversification

13 Water Supply Projects, 7 Water Sources



Vista Ridge

- Vista Ridge – Newest Supply
 - Long Term Supply
 - P3 to Transfer Risk
 - Tomorrow's water at today's fixed cost
- Successful Water Delivery



Three Water Sources

H2Oaks Center

- Aquifer Storage & Recovery
- Desalination
- Local Carrizo



2024 Water Management Plan

Planned Projects

Near-Term 2024 – 2033	Mid-Term 2034 – 2049	Long-Term 2050 – 2075
Conservation	Conservation	Conservation
Reduce Water Loss	Reduce Water Loss	Reduce Water Loss
Expanded Local Carrizo	Brackish Desalination Phases 2 & 3	Regional Wilcox Brackish Desalination
ASR Treatment Expansion	Regional Projects	Regional Projects
Optimize Existing Contracts		



Water Equity – New Chapter

Supporting Marginalized and Vulnerable Communities

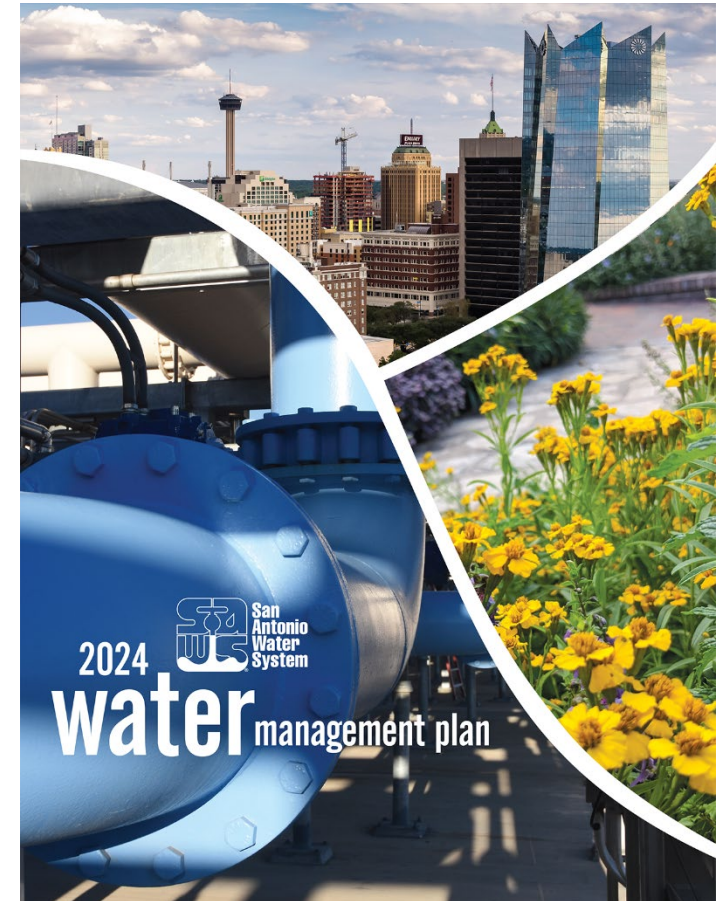
- **Rate Structure**
- **Uplift – Helping Neighbors in Need**
- **Infrastructure**



2024 Water Management Plan Results

Water Security for Decades

- Planning population of 3.5 million
- Conservation Goal of 87 GPCD
- New Technologies
- Diverse water supplies
 - Brackish Groundwater Desalination
- Reduction of Water Leaks
- Resilience and Security



Community Engagement


Community Input

*“The most important part of ensuring reliable, safe sources of water for future generations is **Conservation**...”*

*“**Climate change** impacts must be the highest priority. We will face water crises in near future so let’s work on it while we have enough supply and time.”*

*“**SAWS is doing a GREAT job** supplying the fresh water needs of San Antonio. Your foresight to diversify our water sources has positioned San Antonio for decades of reliable water supply.”*

*“**Vista Ridge is looking like a genius move** with the current drought. Congrats on the foresight.”*







Be a part of the water conversation.
Participate online and learn more about the 2022 Water Management Plan.

MEETING INFO

**Tuesday
April 26
10 - 10:30 AM**
Webinar/Online Meeting
[WATERCITYSA.COM](https://www.watercitysa.com)

Learn more at [WaterCitySA.com](https://www.WaterCitySA.com)

 #WaterCitySA22   

Next Steps

- Continuous Public Comment Period
- SAWS Board Approval



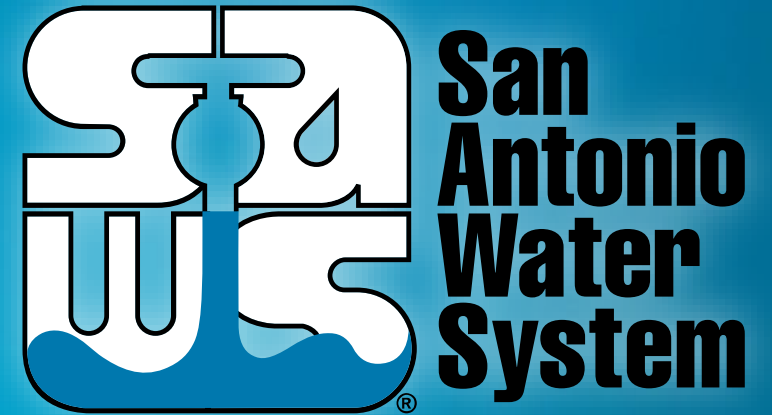
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