

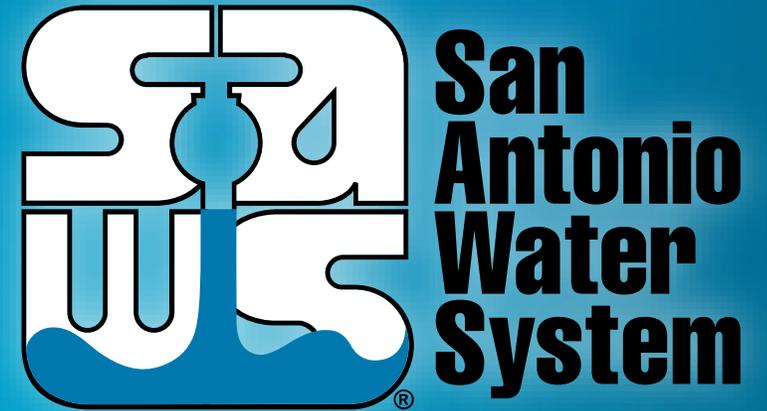
# 2024 Water Management Plan

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 **S**torage & **R**ecovery
- 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



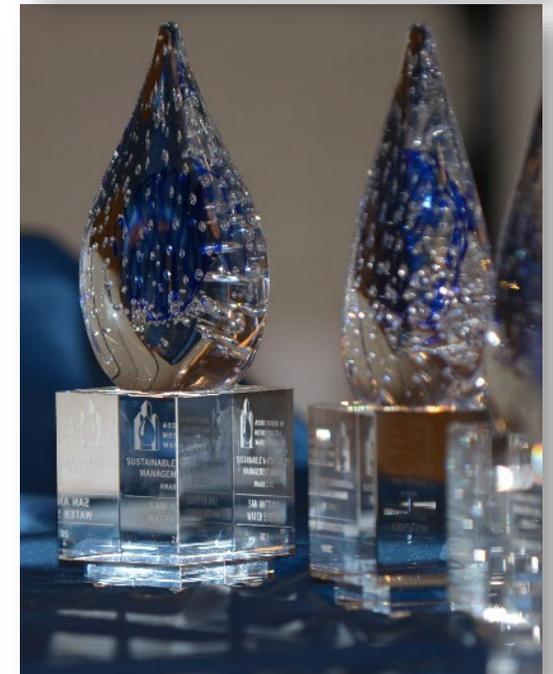
**TOP  
WORK  
PLACES  
2024**

**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)?

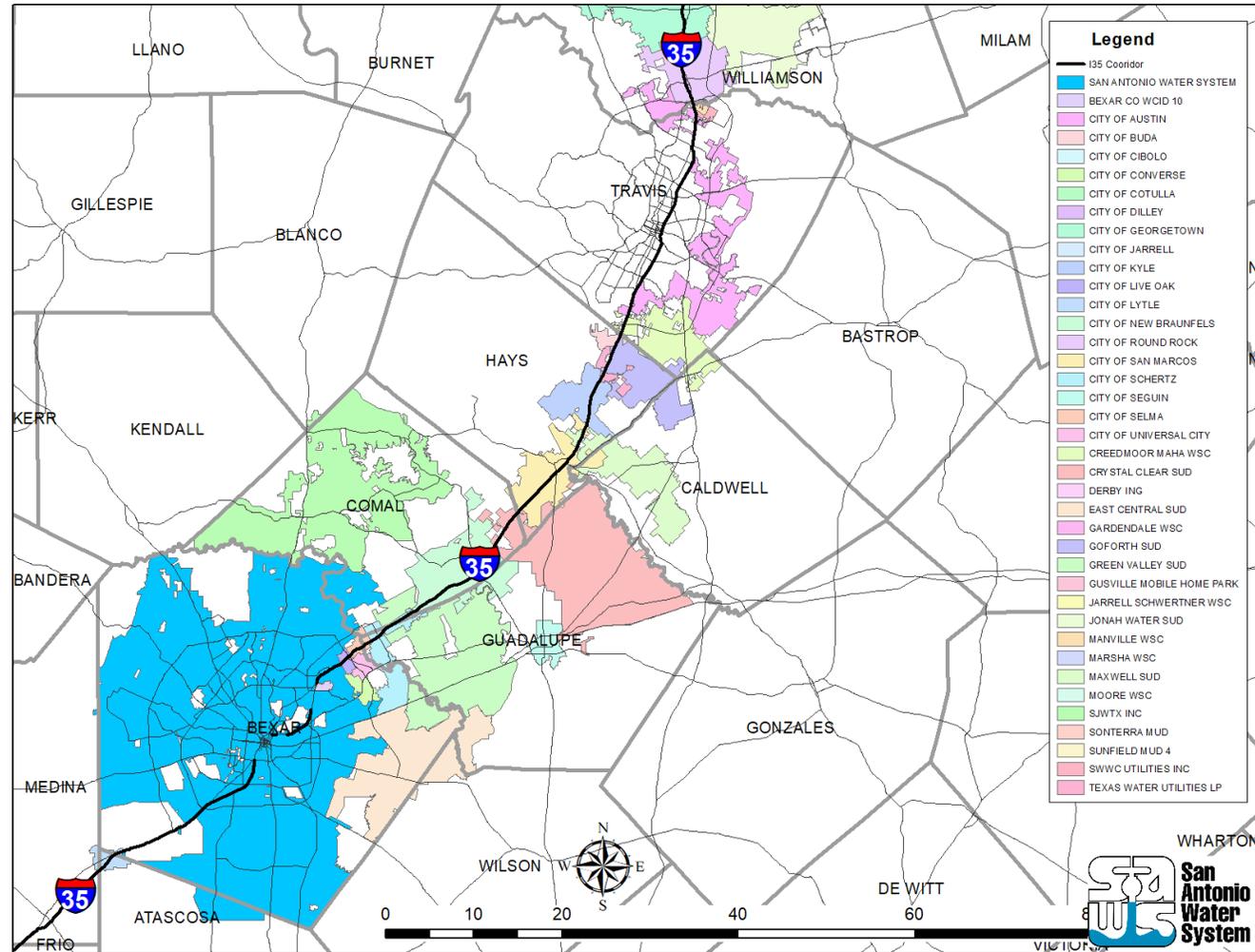
- Guiding document to meet long-term water needs
  - Population projections
  - Water demands
  - Conservation programs and goals
  - Water supplies



# One of Fastest Growing Regions in Nation

## I-35 / SH 130 Corridor

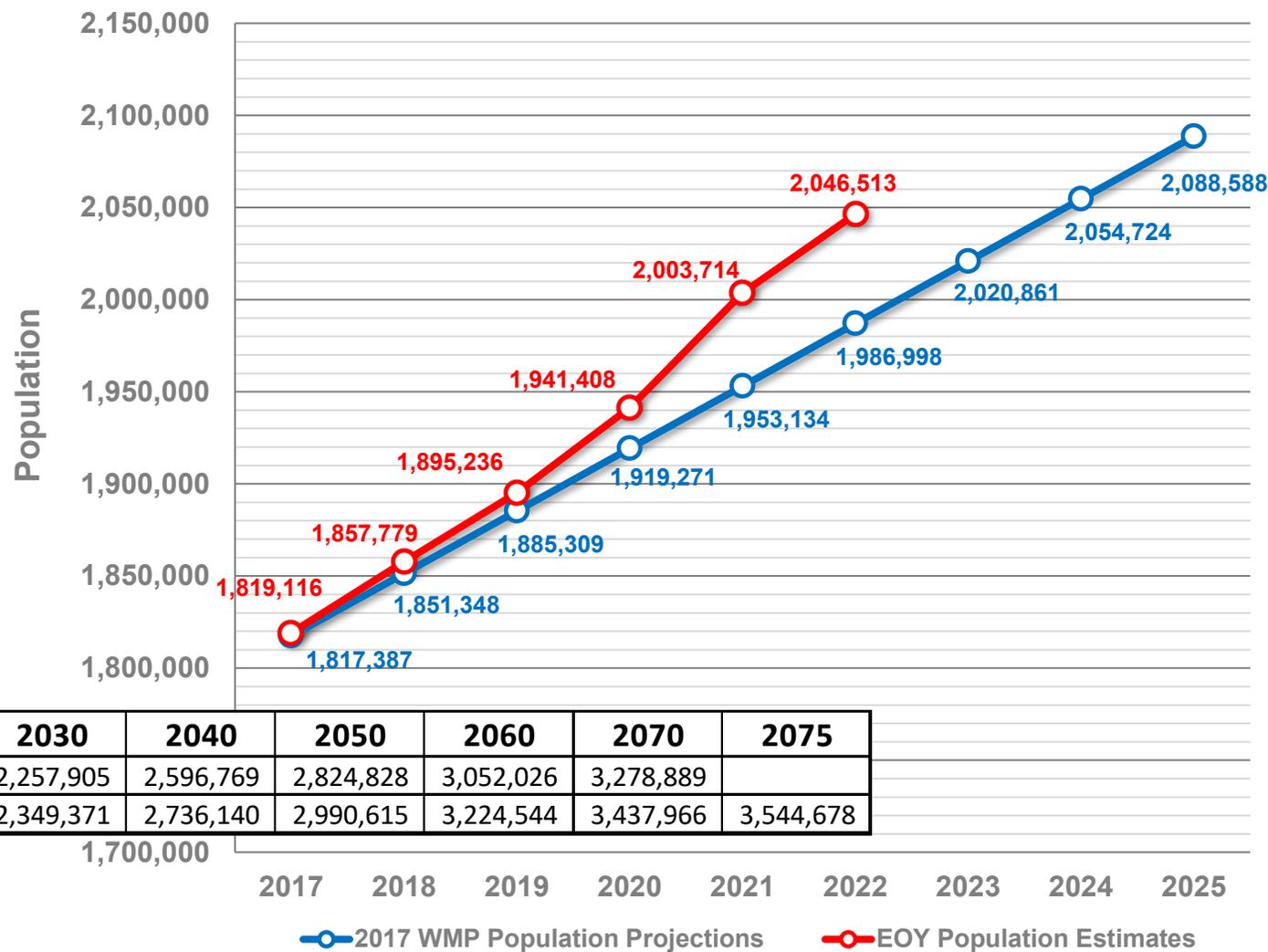
# 5 Million Neighbors



# Population Projections

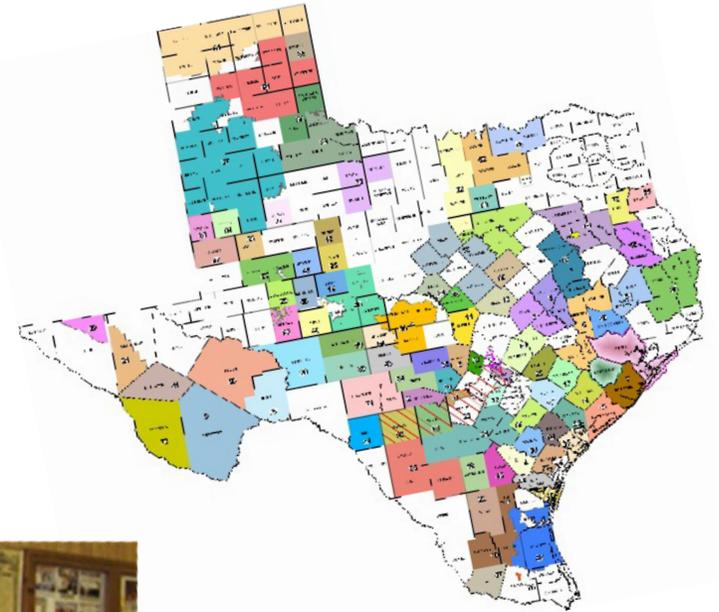
## SAWS Growth

- 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



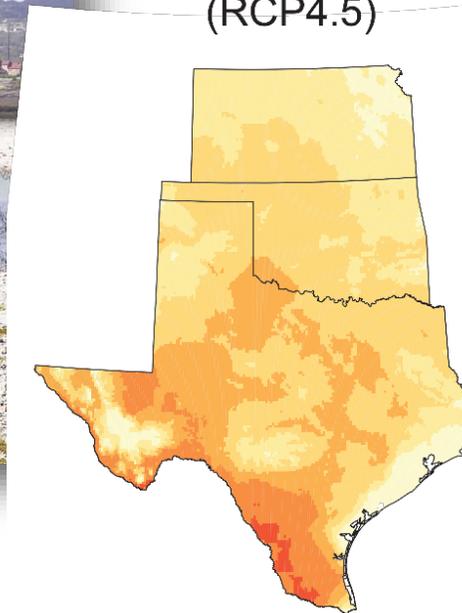
# Water Management Planning

## Climate Extremes

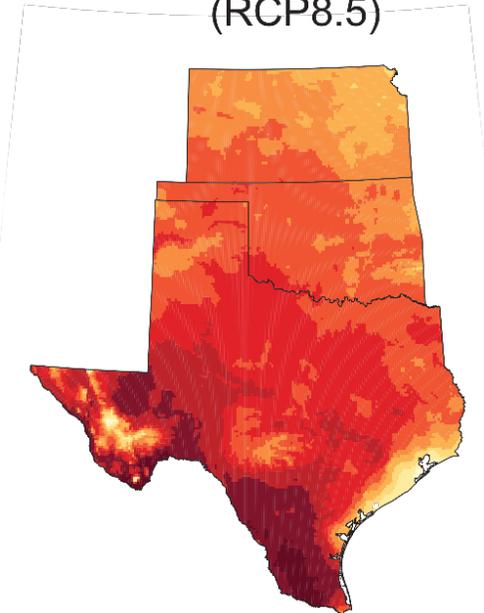


Late 21st Century

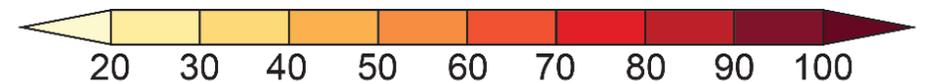
Lower Scenario  
(RCP4.5)



Higher Scenario  
(RCP8.5)

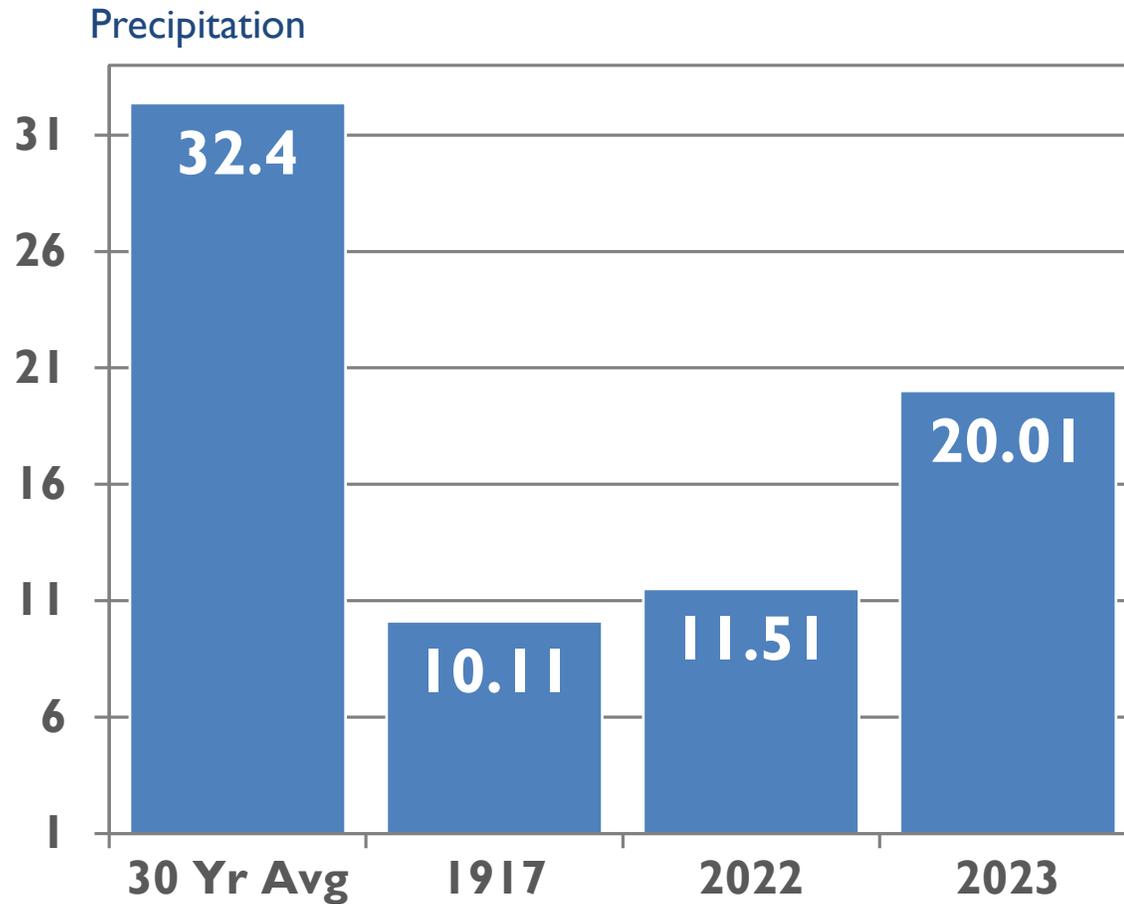


Change in Number of Days



# Climate Change

Multi-year drought impacts to supply and demand



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

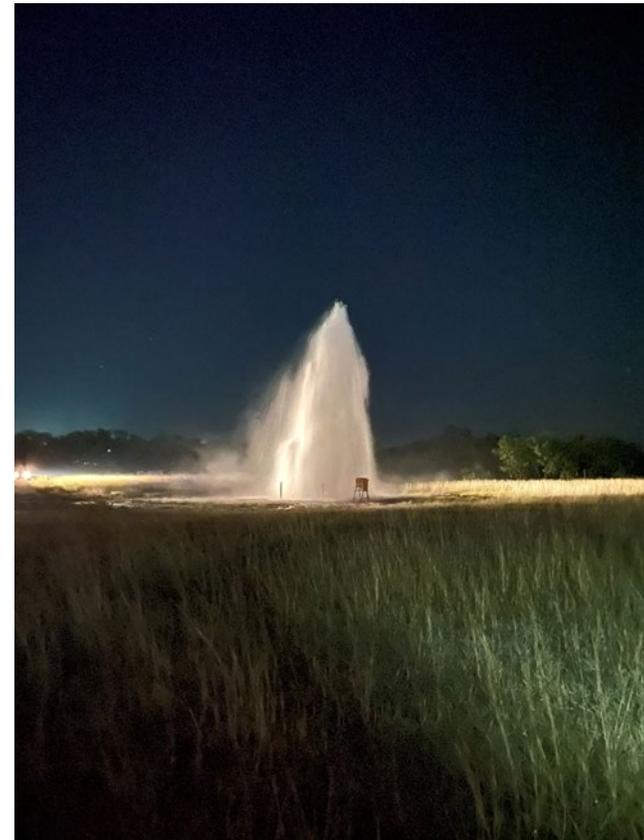
# Drought Planning

## Assumptions

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

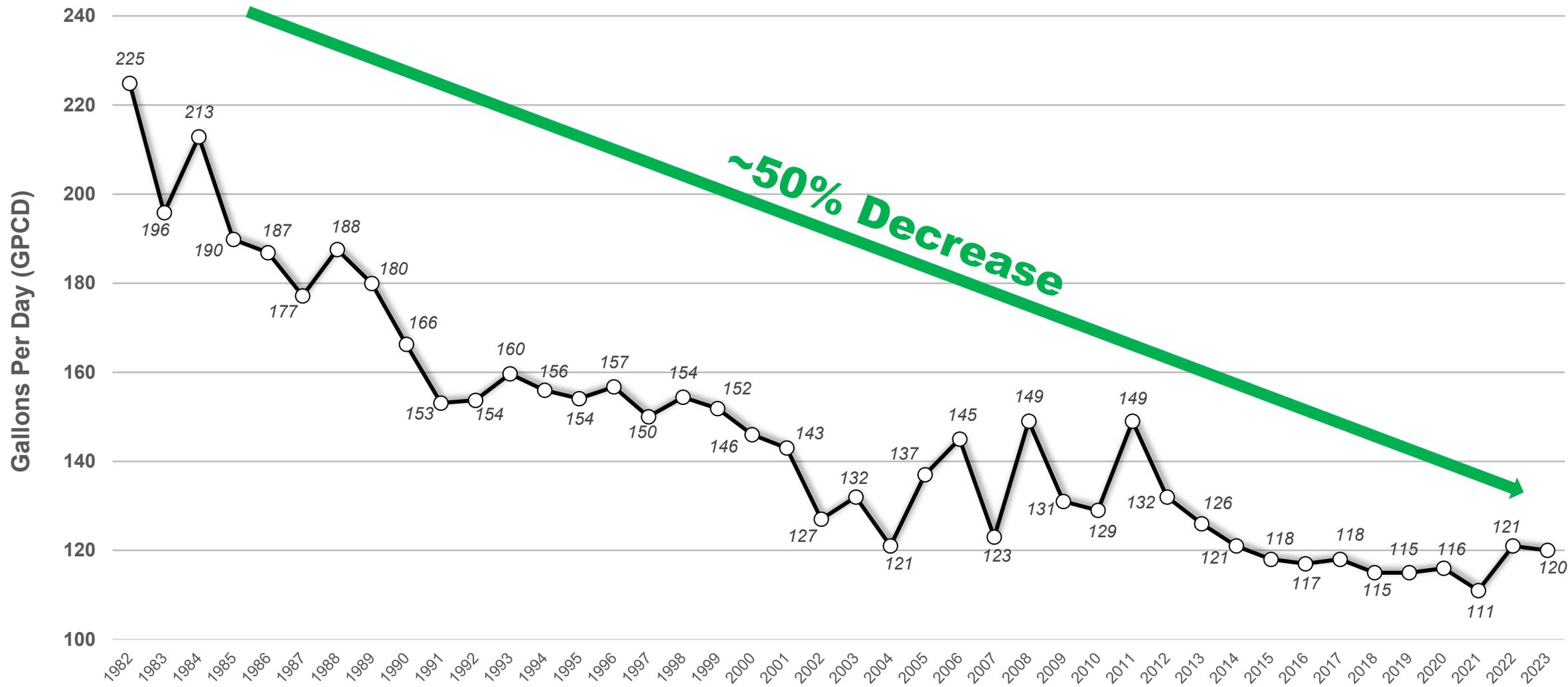


# Supply Disruptions



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

# Conservation





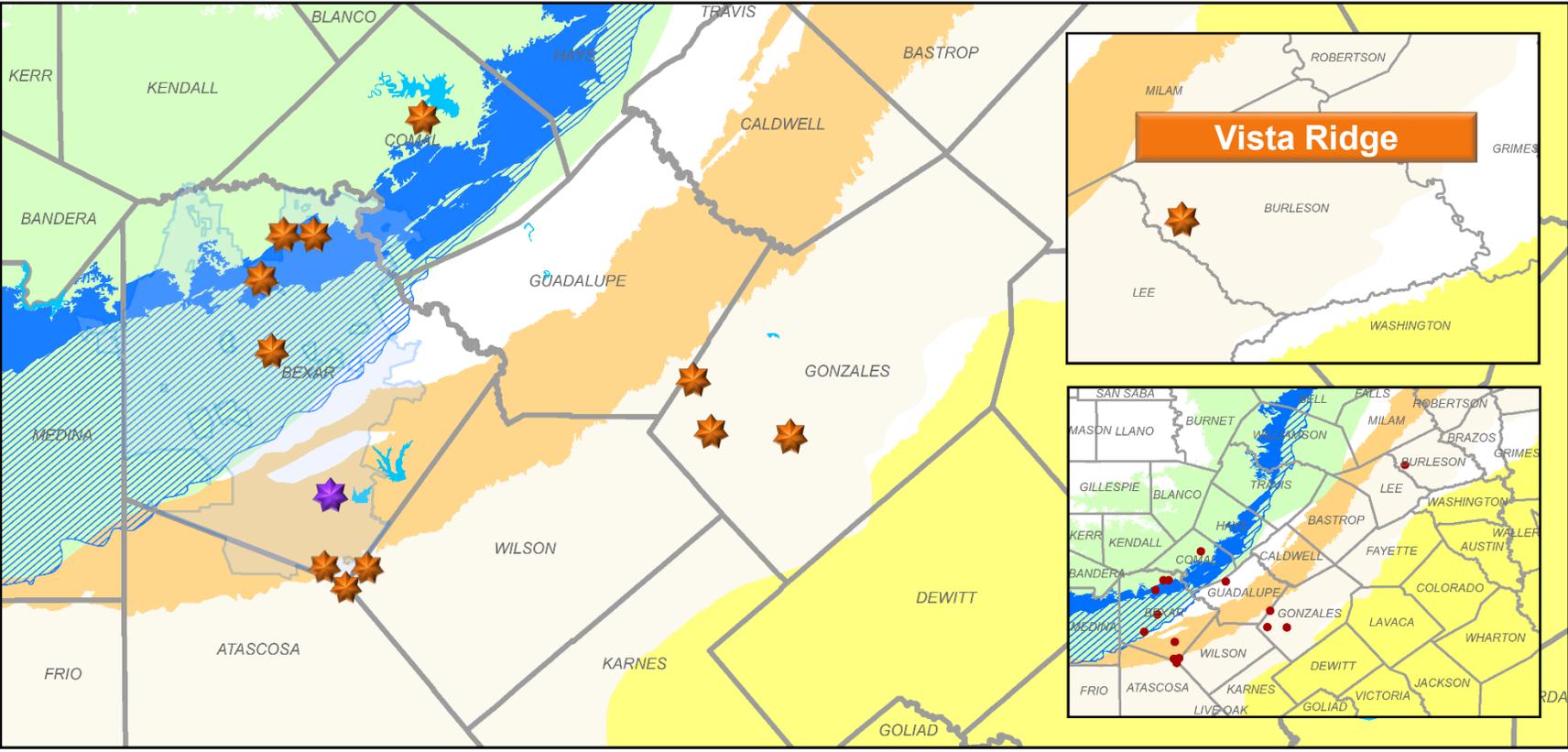
# Strategic Energy Management

## 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

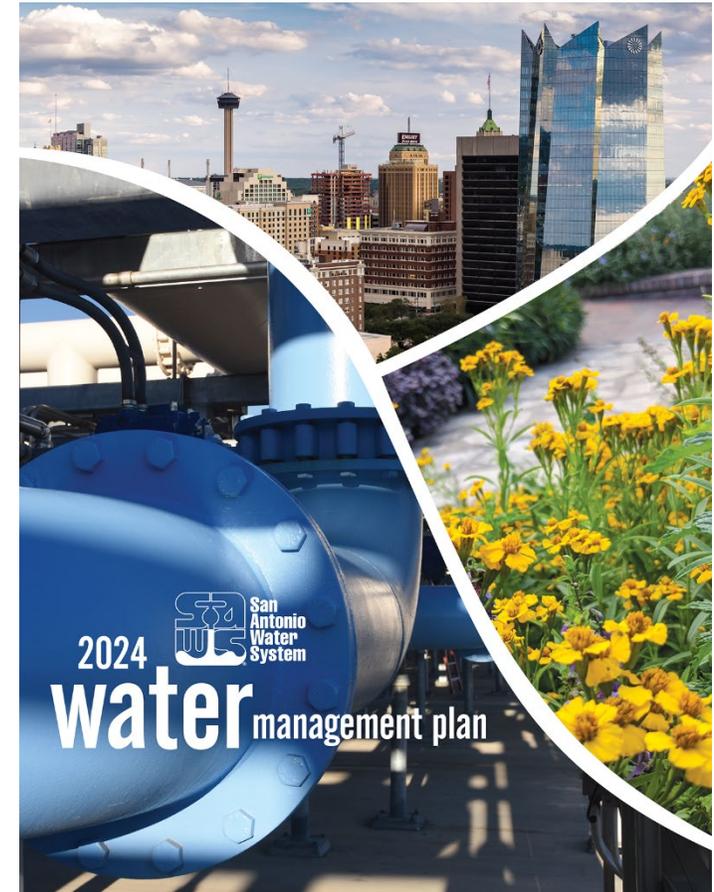
- **Rate Structure**
- **Uplift – Helping Neighbors in Need**
- **Infrastructure**



# 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.”*



**WATER CITY SA**

**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



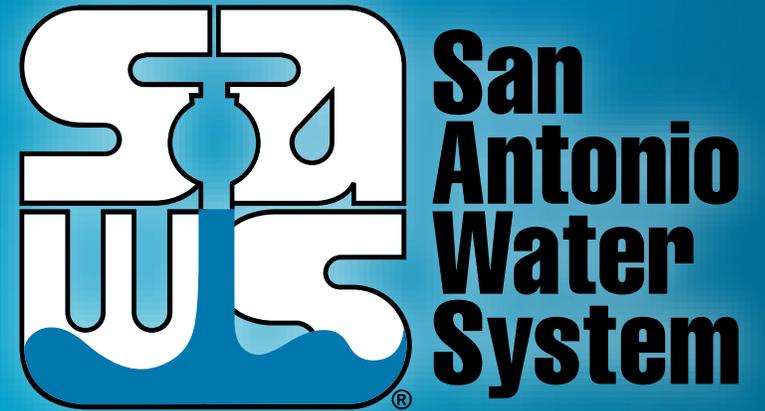
# 2024 Water Management Plan

Donovan Burton

Sr. Vice President, Water Resources & Governmental Relations

City Council Briefing

June 13, 2024



MAKING SAN ANTONIO  
**WATERFUL** 