

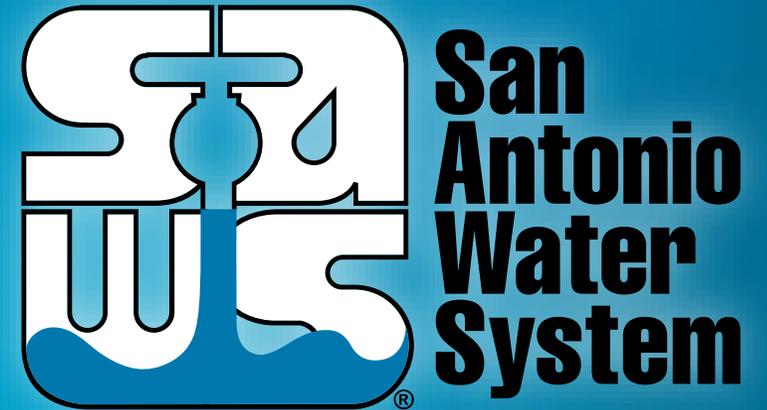
SAWS Water Management Plan

Robert R. Puente

President/Chief Executive Officer

Municipal Utility Committee

September 27, 2022



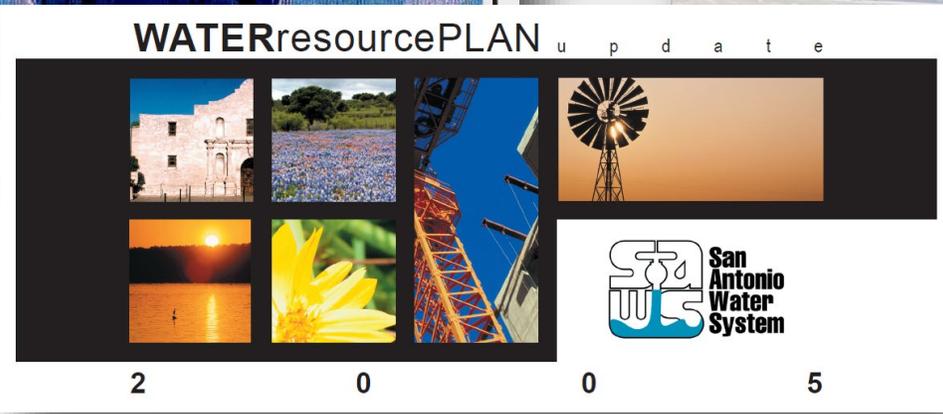
MAKING SAN ANTONIO
WATERFUL 

50-Year Water Management Plan

Securing Our Water Future



WATER



Water Management Plan



50-Year Water Management Plan



Population Demands

Supply Management

Diversified Water Sources

Climate Change

Conservation

Regional Partnerships

Community Engagement

- SAWS Public Committees
- Stakeholder Organizations
- Traditional & Social Media
- WaterCitySA Website
- Virtual & In-Person



Water Management Plan

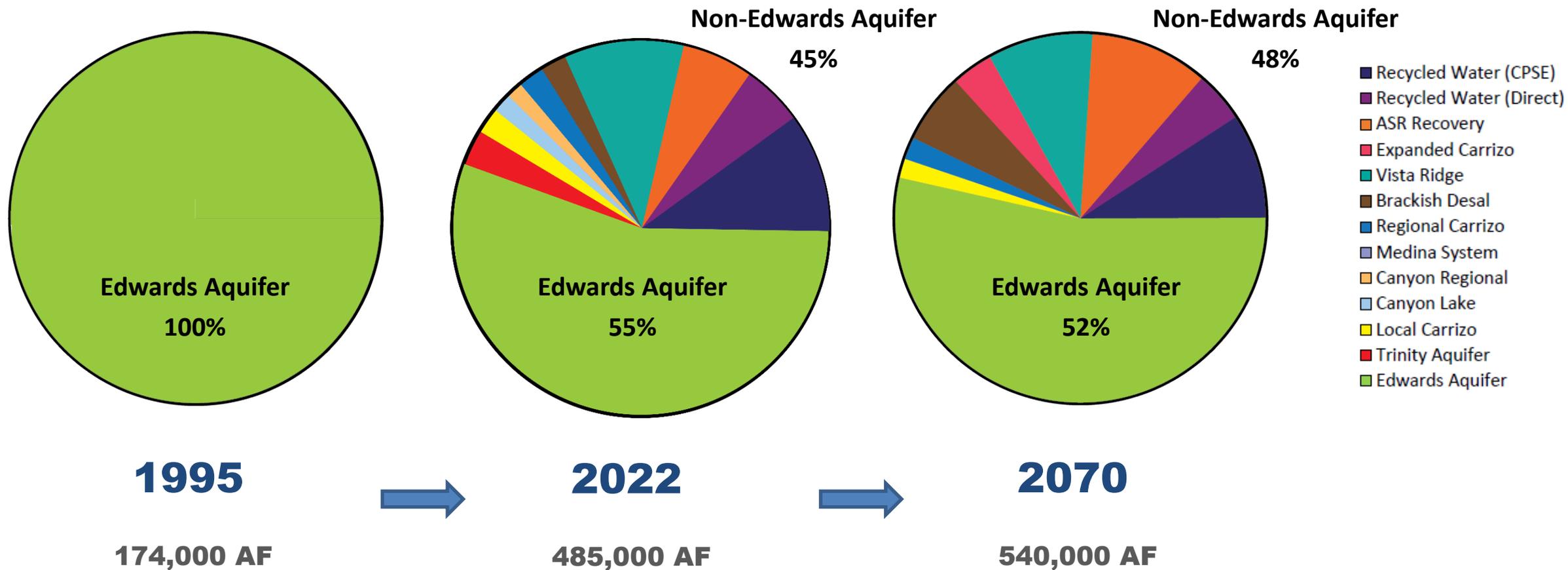




A B C D...E's of Water Management

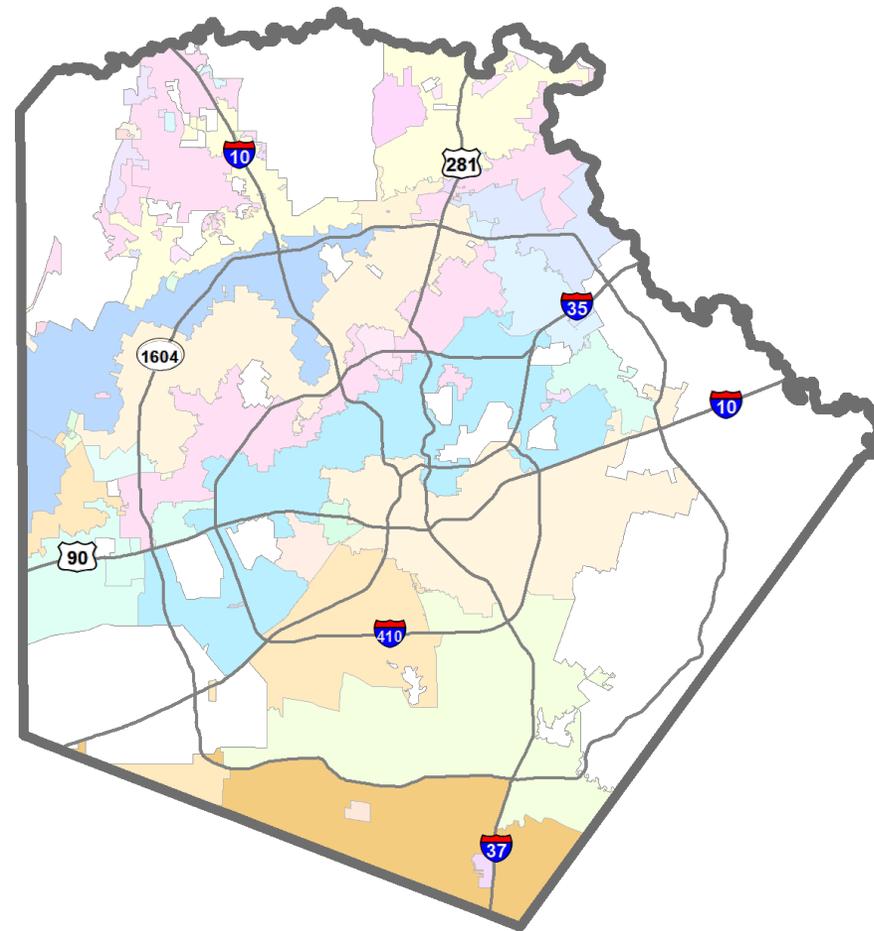
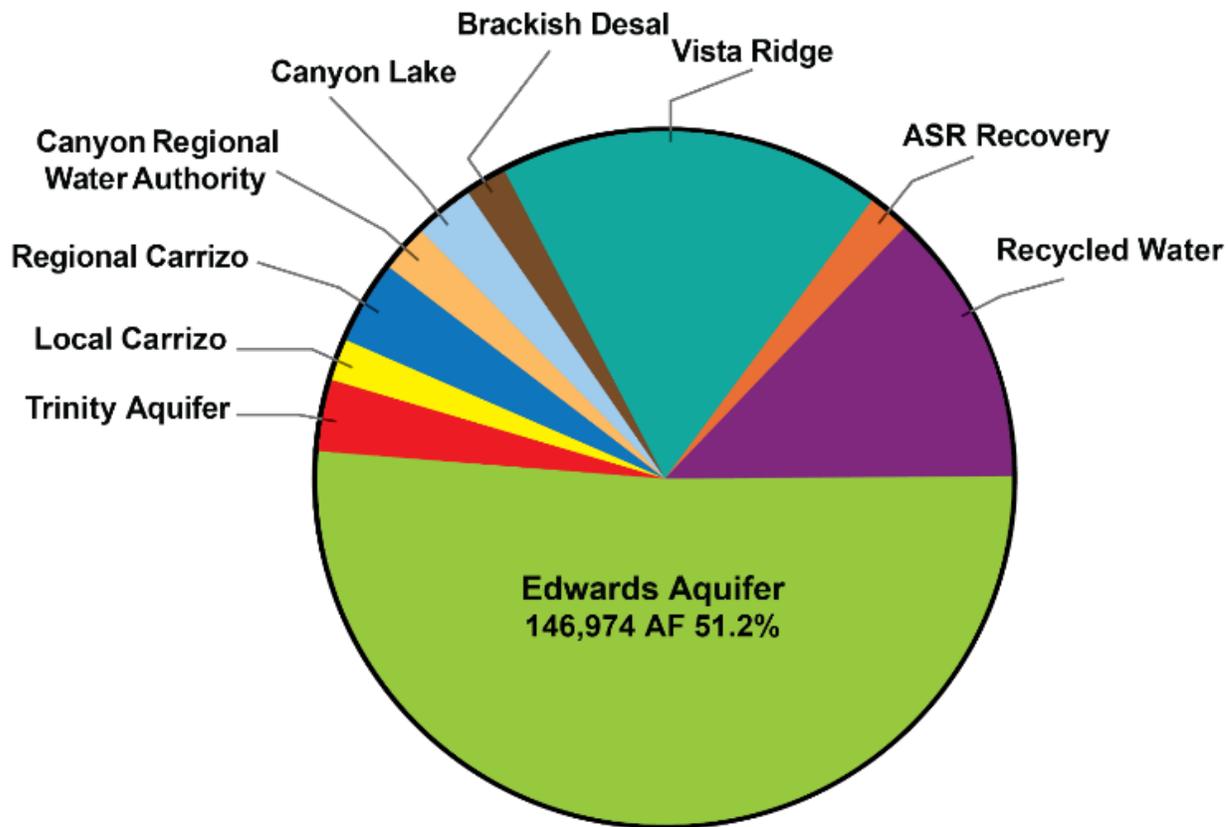
- A Largest **A**quifer **S**torage & **R**ecovery
- B State of the art **B**rackish desal plant
- C Recognized **C**onservation programs
- D Largest **D**irect **R**ecycled water system
- E **E**mployees

Diversification and Long Term Water Supply Planning



Management and Maximizing Supplies

Water Supply Distribution



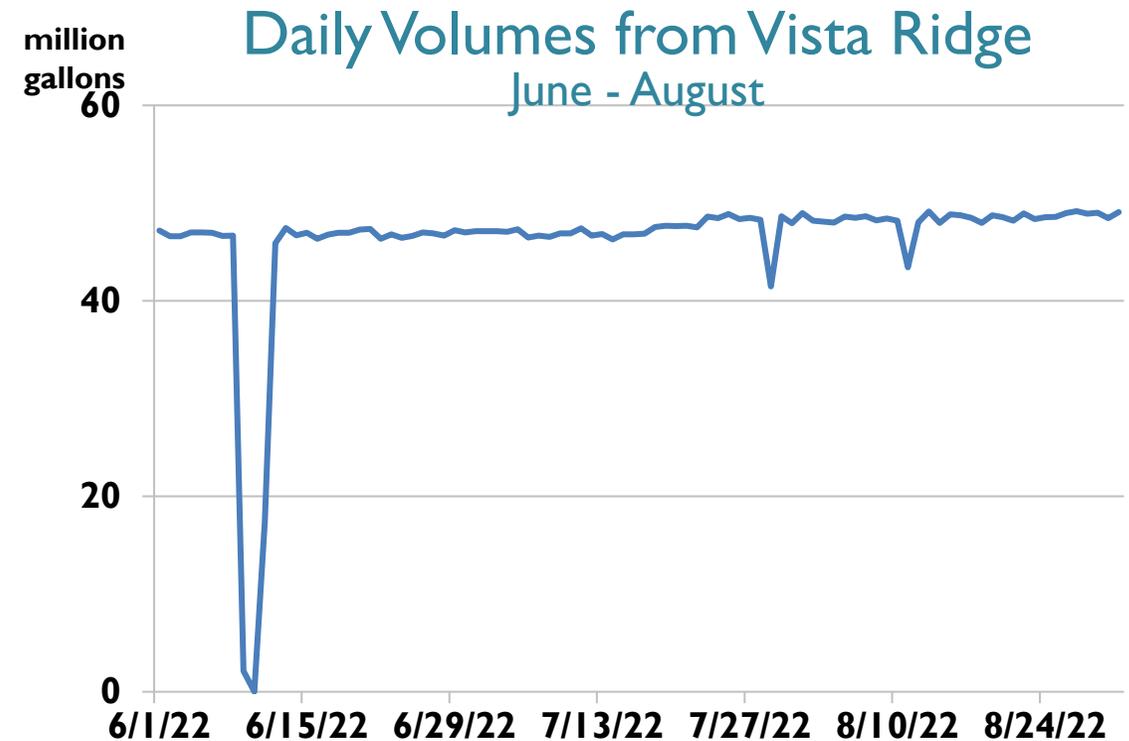
The Un-Planned Performance Test Termination



An instantaneous loss of 55 mgd (25% of total production) with **no impact to service delivery!**

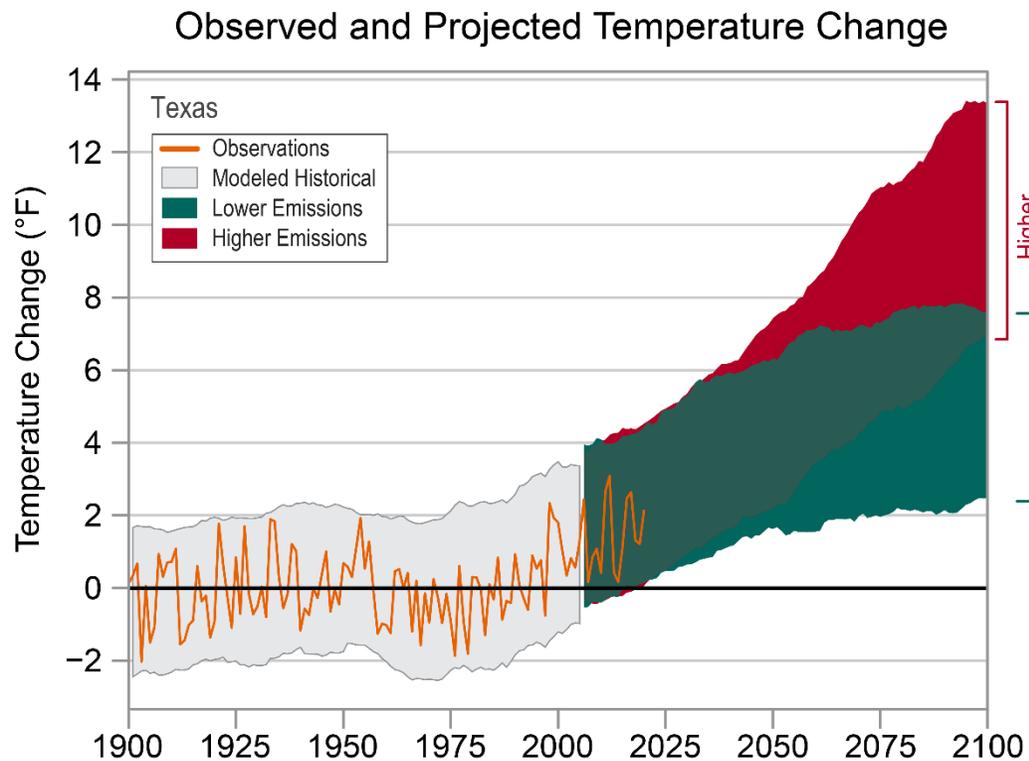
Vista Ridge Performance

- Vista Ridge consistently provided through the summer peak
- Drawdown trends are consistent with Post Oak Water Development Board modeled expectations
- Project Company working with Post Oak GCD on ways to reduce localized impacts



Climate Change

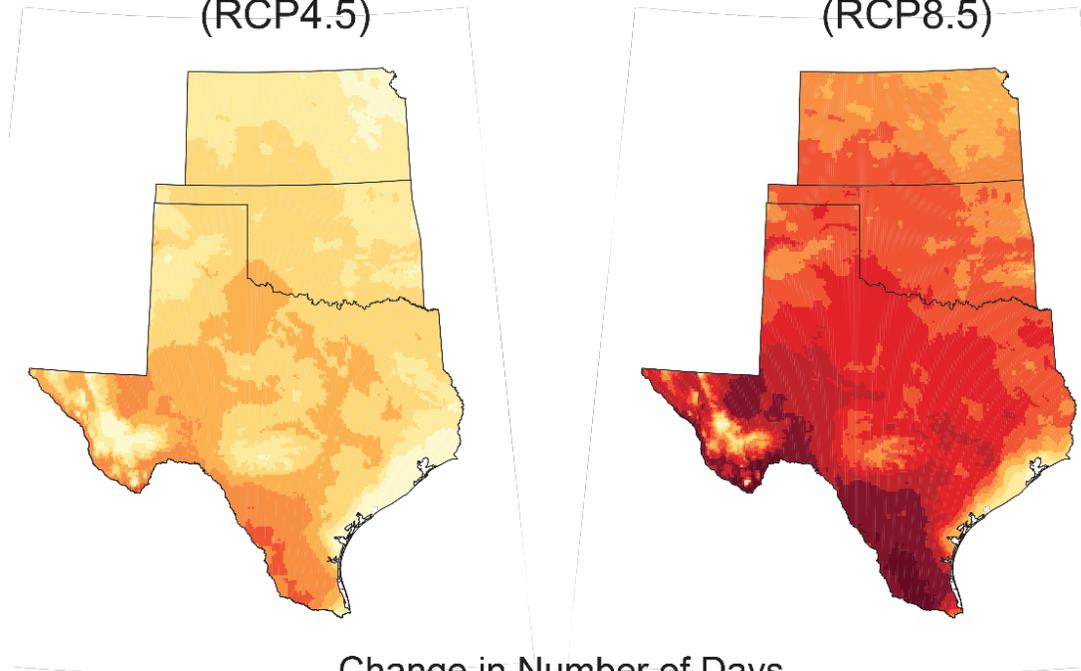
Projected Future Climate Conditions in Texas



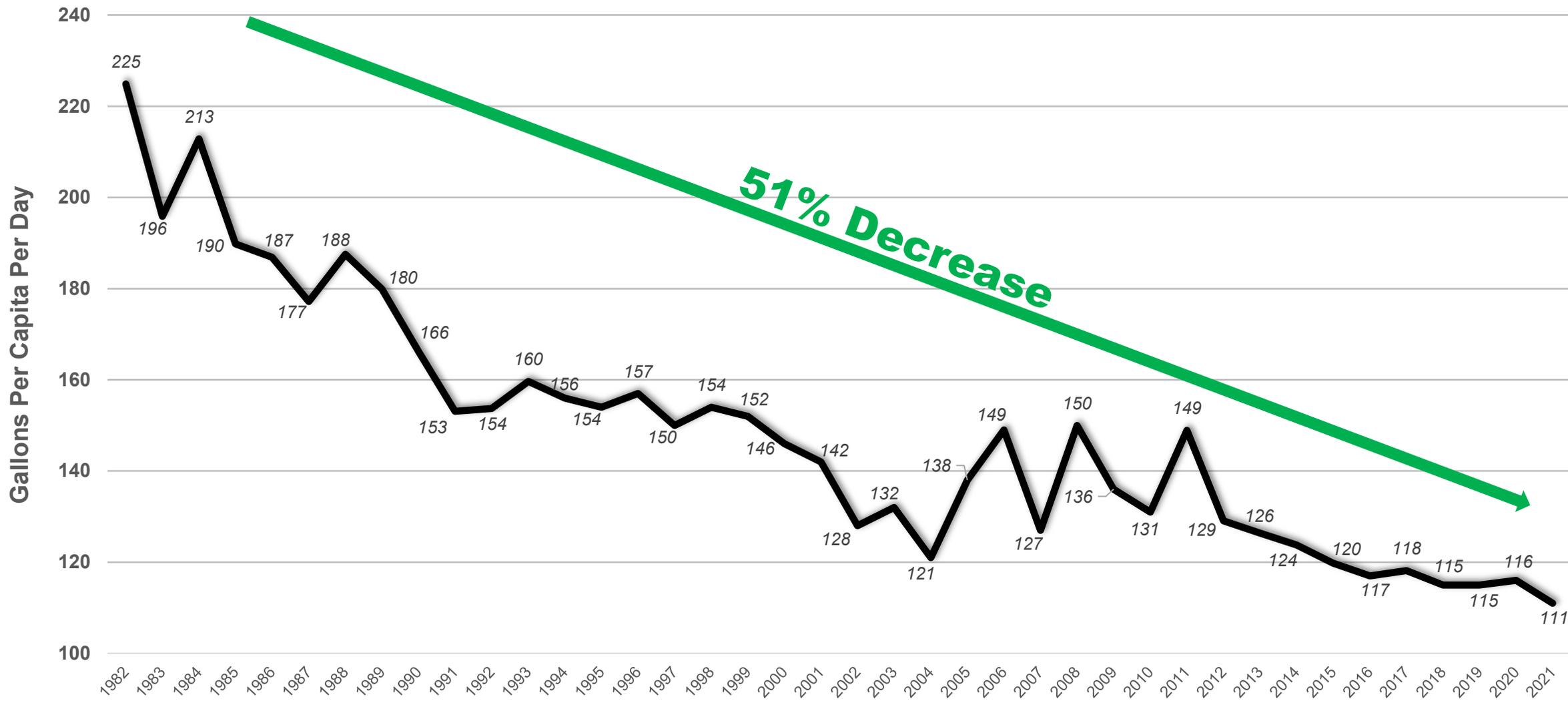
Late 21st Century

Lower Scenario (RCP4.5)

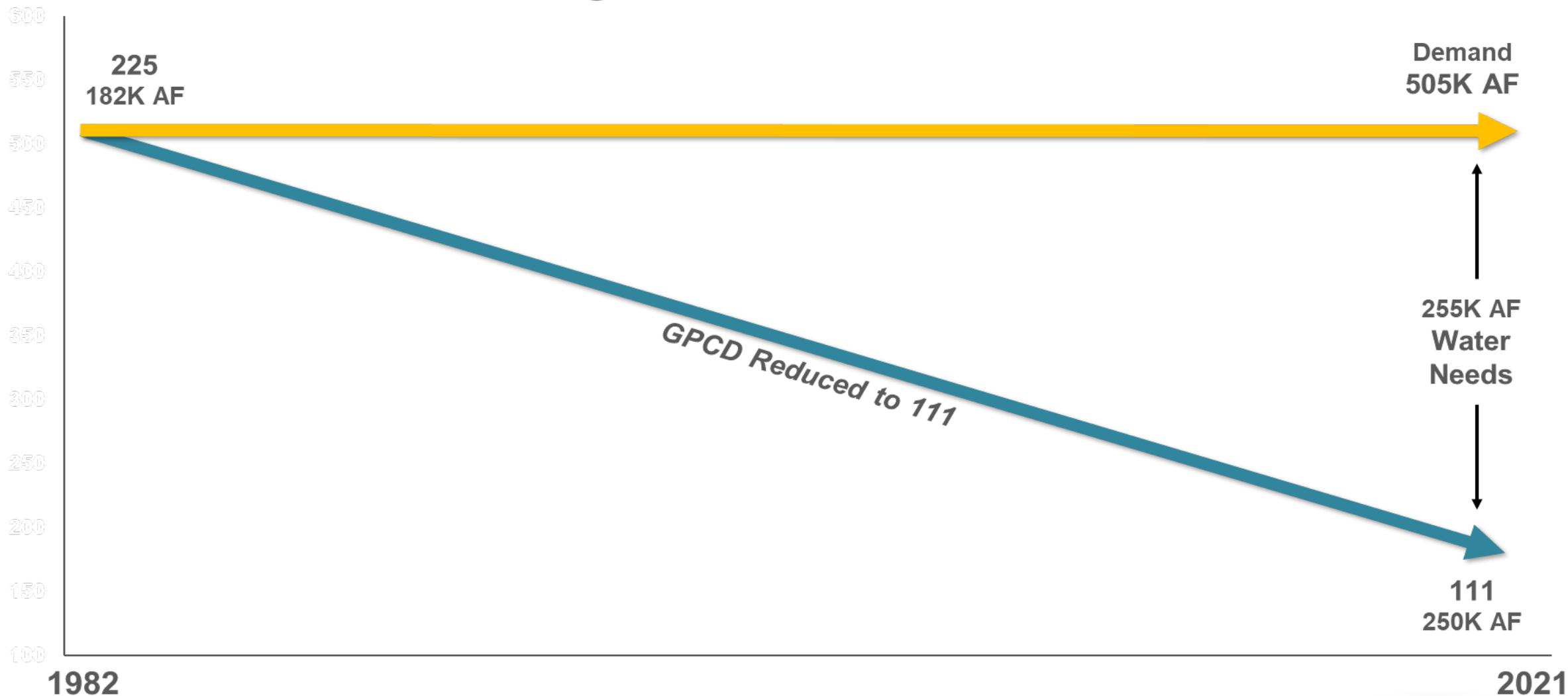
Higher Scenario (RCP8.5)



Conservation – First New Source



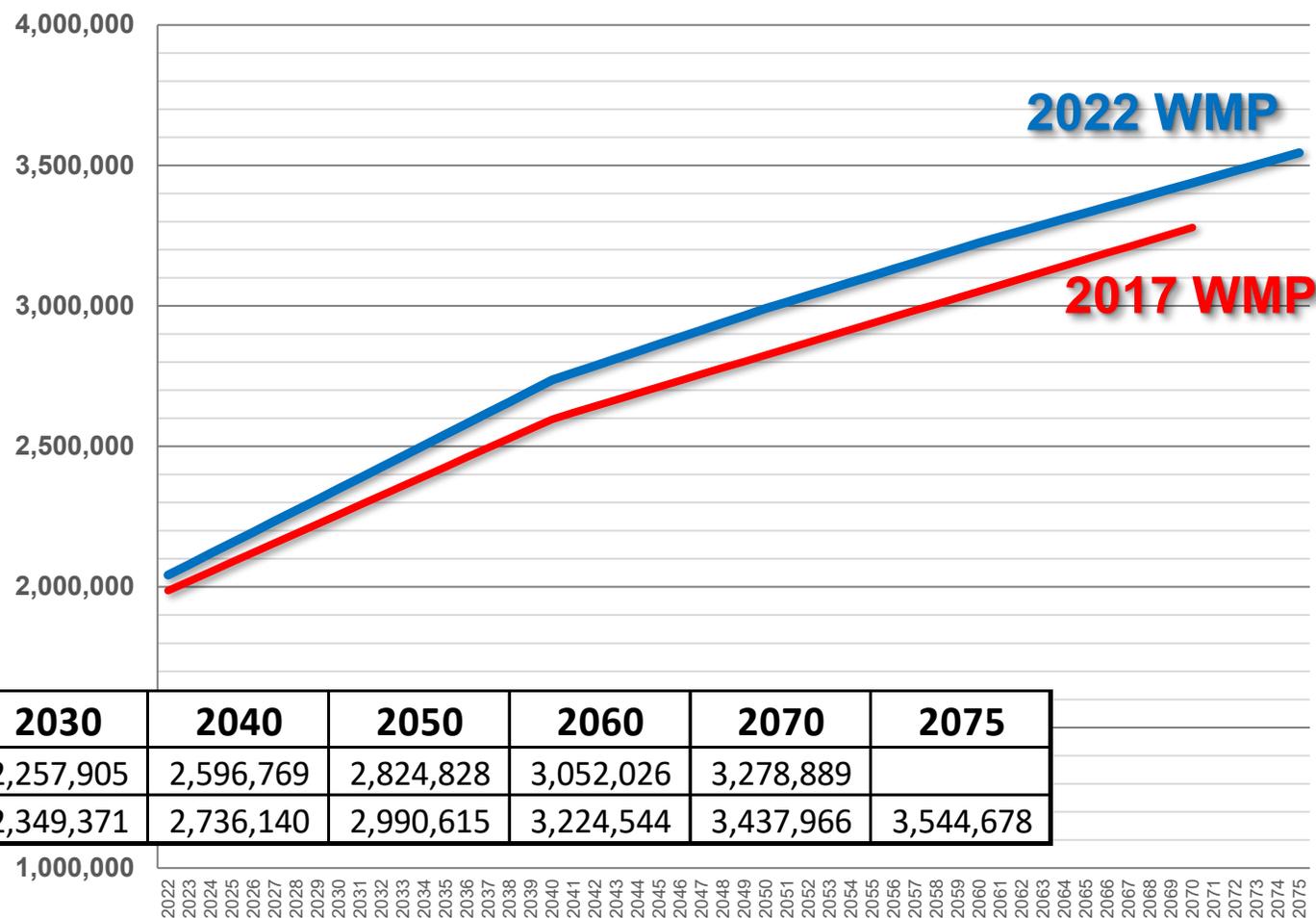
SAWS Demand Savings



Population Projections

SAWS Revised Growth

- SA Fastest growing city in the nation 2020-2021
- 694,000 more by 2040
- 1.5 million more by 2075 (74% increase)



Plan Population Projections	2022	2030	2040	2050	2060	2070	2075
2017 WMP Population Projections	1,986,998	2,257,905	2,596,769	2,824,828	3,052,026	3,278,889	
2022 WMP Population Projections	2,042,120	2,349,371	2,736,140	2,990,615	3,224,544	3,437,966	3,544,678

Next Steps

- Continuous Community Engagement and Feedback
- SAWS Board & City Council Briefings
- Draft Plan
- SAWS Board Approval

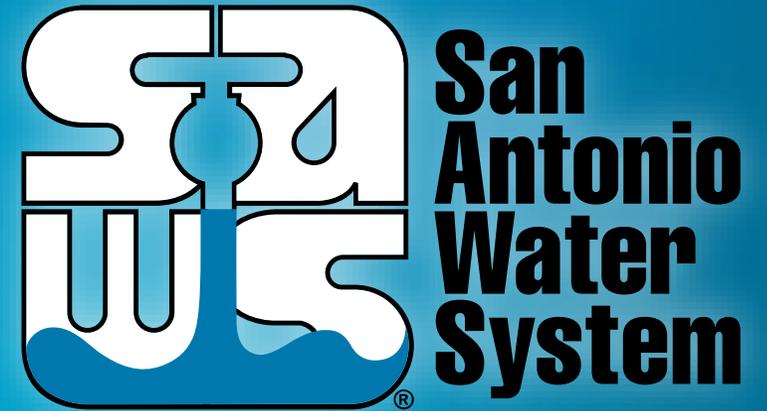
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