

# San Antonio Water System Brackish Groundwater Project

**Robert R. Puente**

President/CEO

September 30, 2016

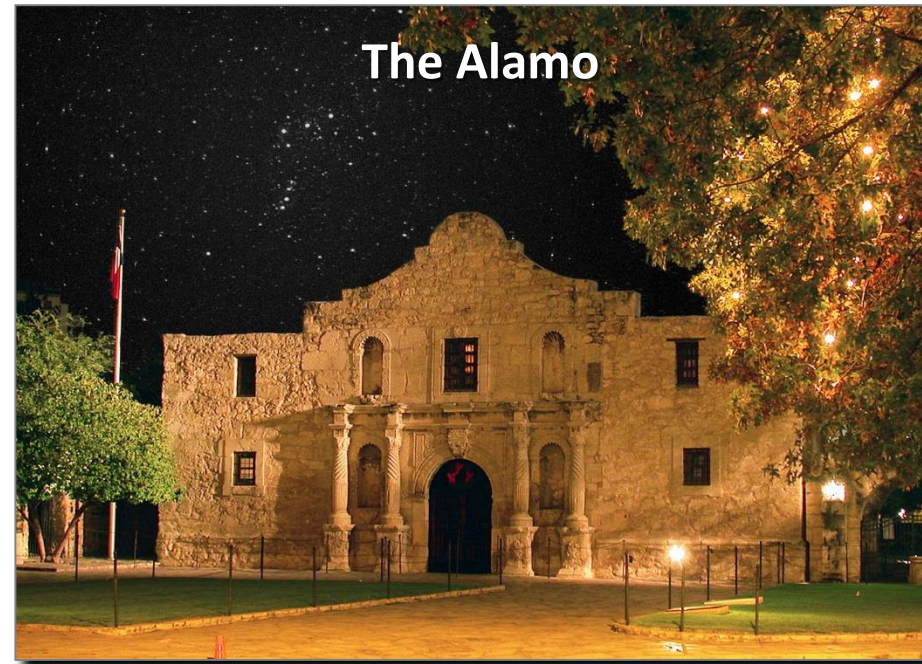
Texas Desal 2016



# San Antonio Water System

## Sustainable, Affordable Water Services

- Municipally owned water and wastewater utility
- 1.8 million water and wastewater customers
- 10,700 miles of water and wastewater lines
- 1,800 employees
- Over \$1 Billion in capital expenditures over next three years

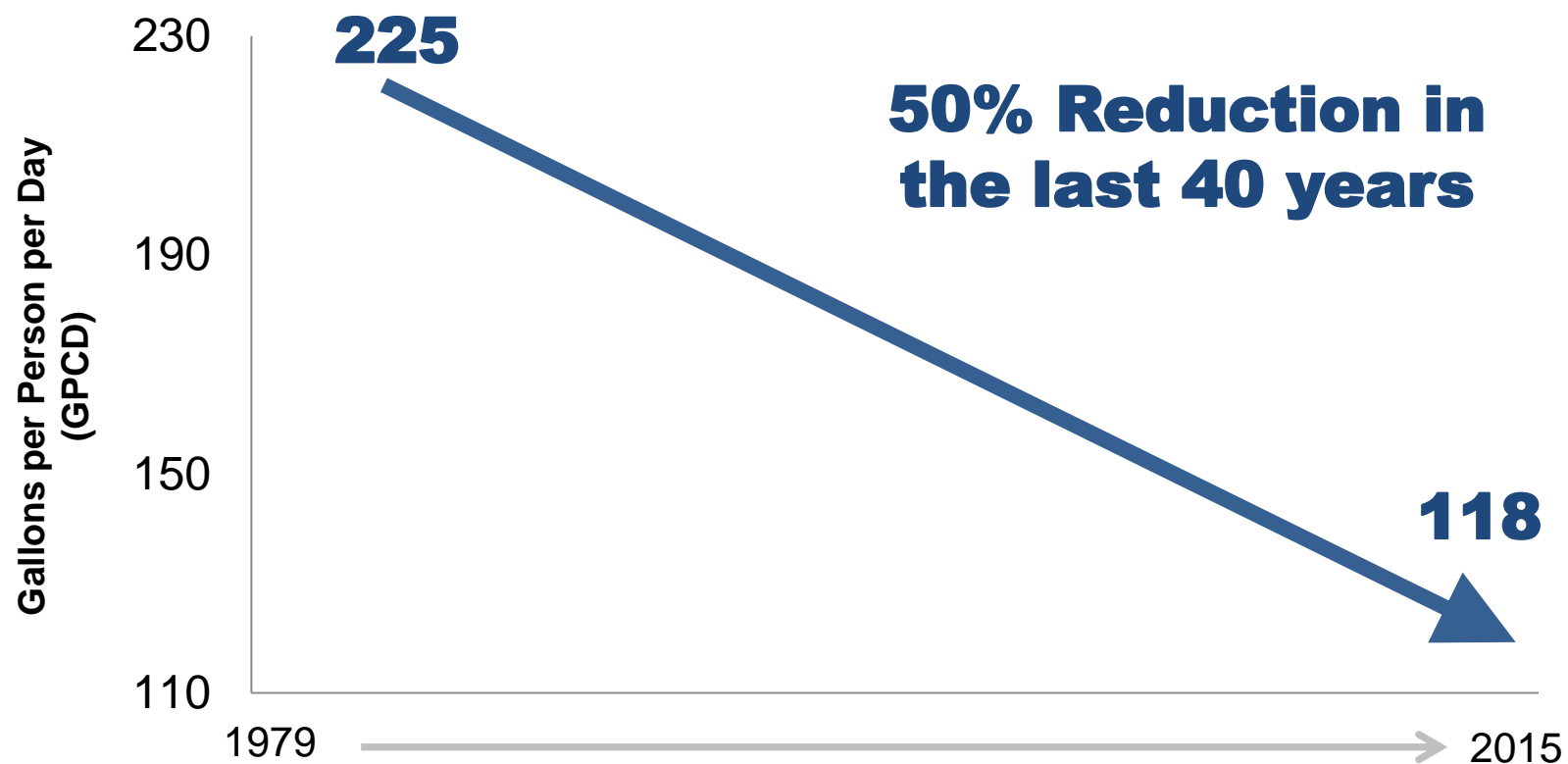


# Innovative Successes



- **Largest** Direct Recycled System in the US
- **Largest** groundwater based ASR system in US
- **Largest** inland desalination plant under construction
- **First** in US to convert methane gas to energy
- **Best** in the Nation water conservation programs

# Continued Focus on Conservation

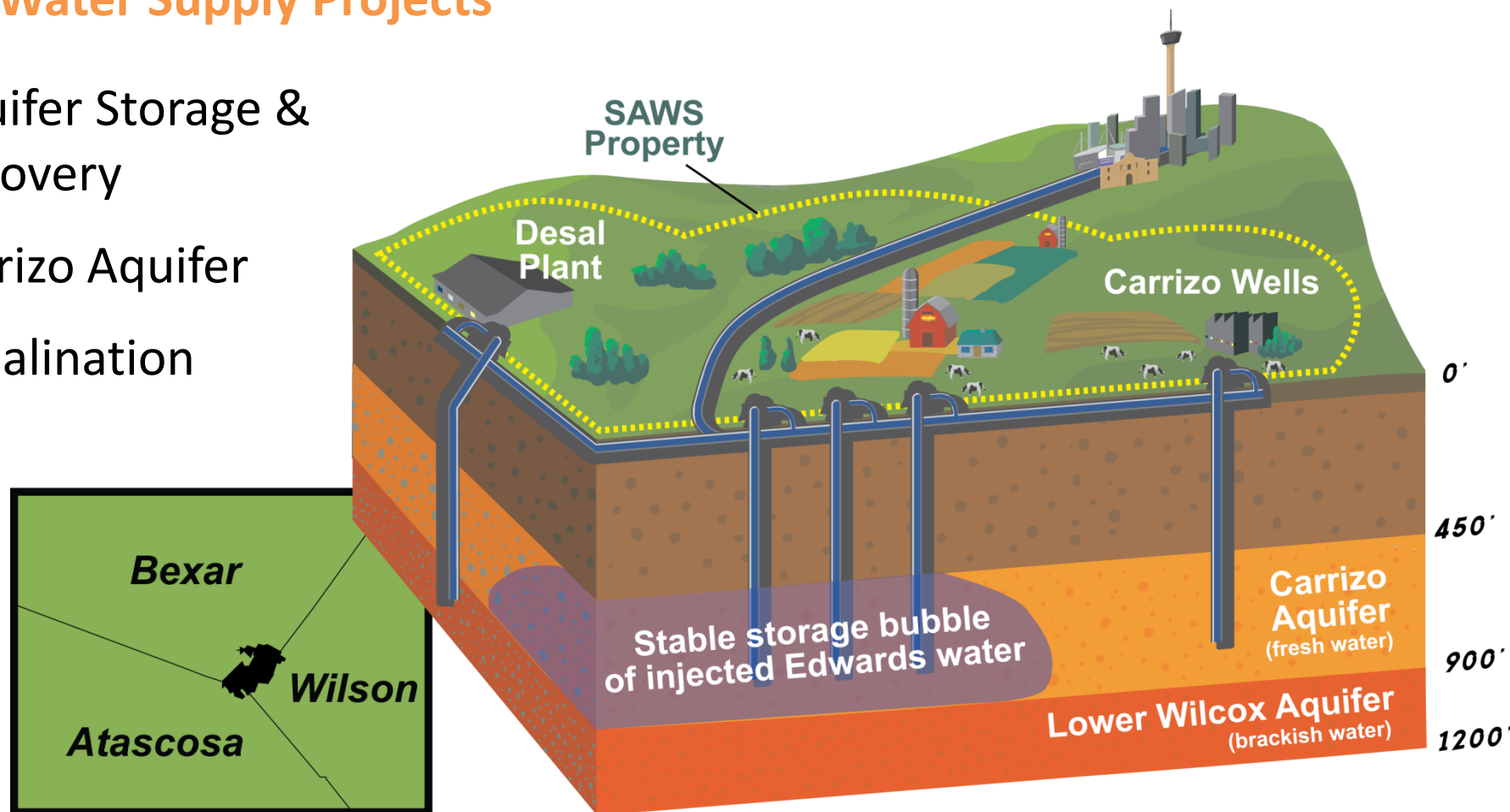




# One 6,000 Acre Site

## Three Water Supply Projects

- Aquifer Storage & Recovery
- Carrizo Aquifer
- Desalination



# Brackish Groundwater Desalination

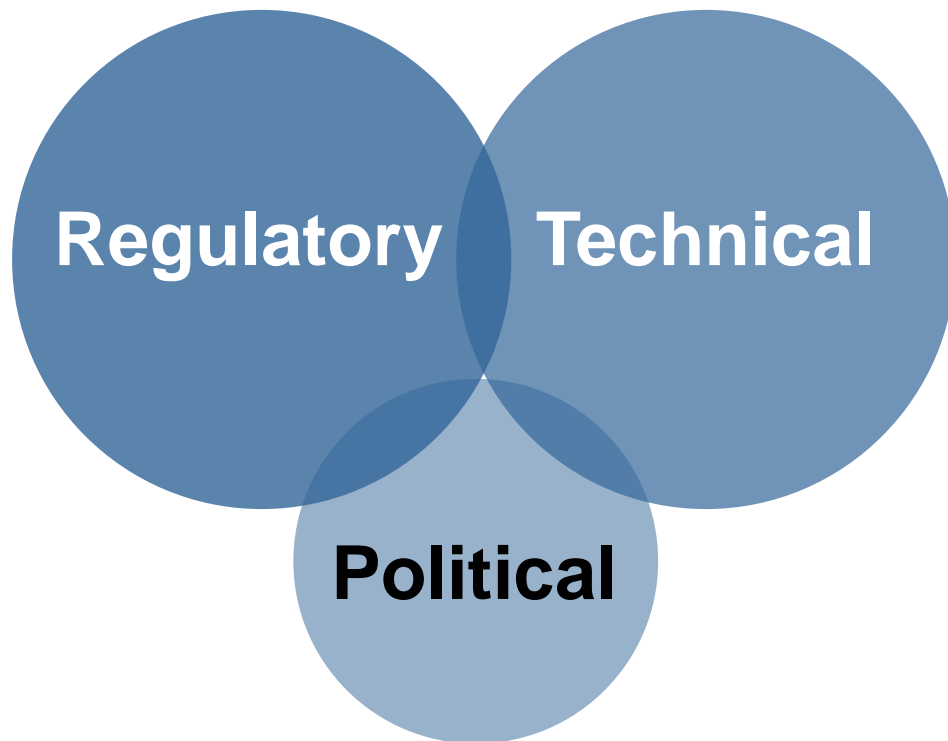
## Project Background

- Introduced in 2005 Water Management Plan
- Original Project located in Atascosa, Wilson, Bexar Counties
- Opposition in Atascosa and Wilson Counties
- Project changed - initial phases within Bexar County

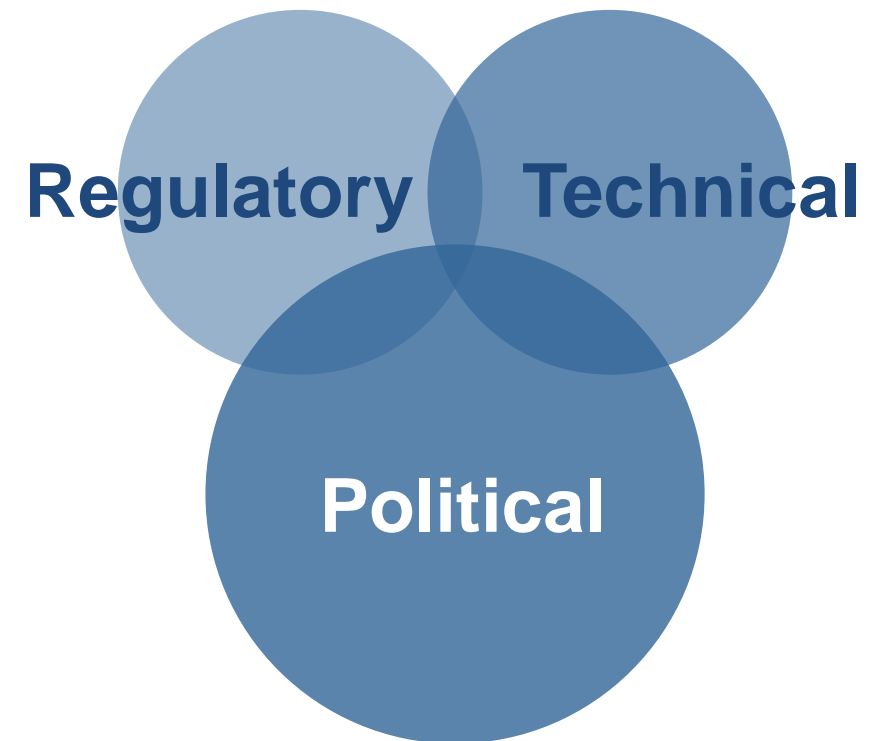


# Project Challenges

## El Paso



## San Antonio



# Brackish Groundwater Desalination

## Public Opposition

### “ Atascosa rejects SAWS contributions

Many residents considered the offers “bribes” by a utility eager to explore future drilling opportunities.

July 19, 2008

**Express-News**



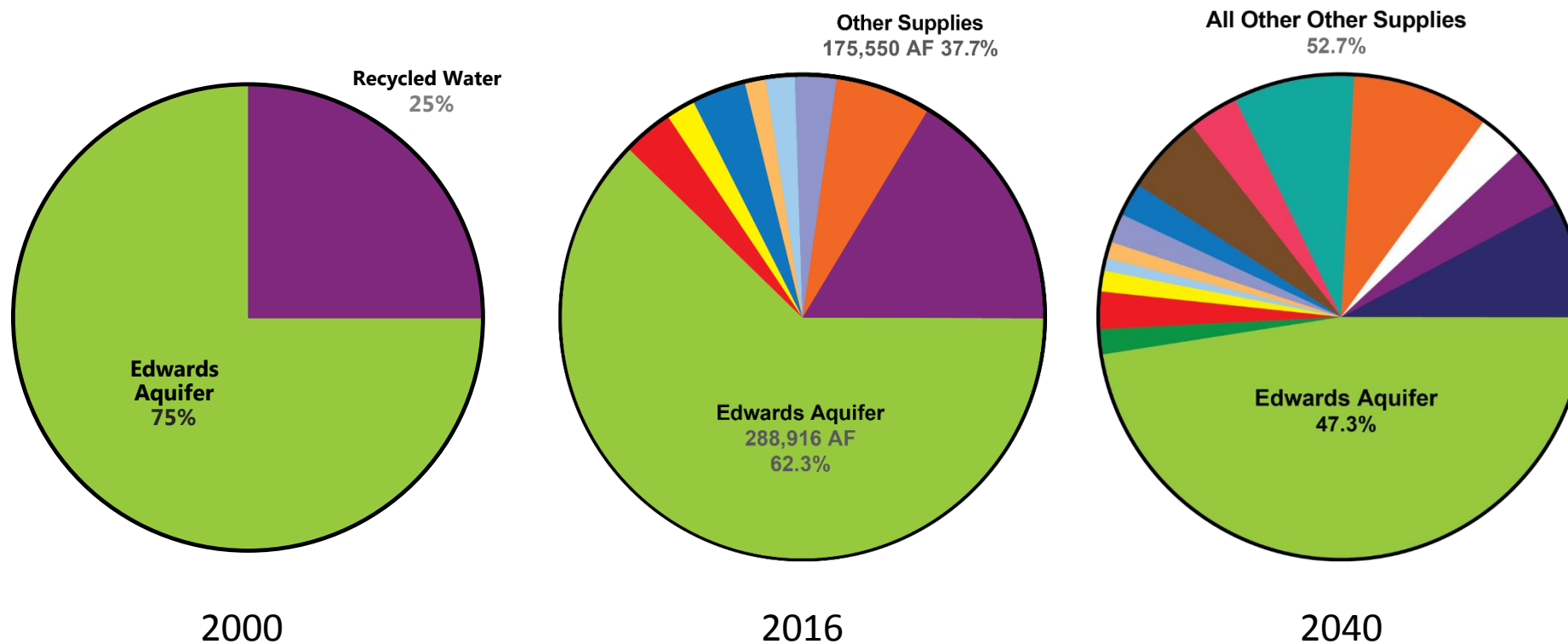
# Largest Inland Desalination Facility in U.S.



August 11, 2016

# Water Supply Diversification

## Past, Present and Future



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