



City of Austin
Water Reclamation
Program

City of Austin Water Reclamation Initiative

The Future of Austin Water's Reclaimed Water System

Centex Water Conservation Symposium

February 13, 2020



Using purple to keep Austin green

Lets Get Started

- Austin
 - State Capital
 - Growing
- Water
 - Annual precipitation – 32”
 - Drinking water use – 45 billion gallons/yr
 - Wastewater treated – 32 billion gallons/yr
 - Reclaimed use – 1.5 billion gallons/yr



Water Forward

- 100-year water supply plan
- 1 million → 4 million population

Year	Water Demand (af)	Centralized Reclaimed (af)	Decentralized Reclaimed (af)
2020	138,000	4,460 – 3.2%	140 – 0.1%
2040	190,000	15,960 – 8.4%	3,290 – 1.7%
2070	250,000	28,960 – 11.6%	14,610 – 5.8%
2115	370,000	58,560 – 15.8%	30,190 – 8.2%



Current Business Model

WHO PAYS ?

	Water	Wastewater	Reclaimed
Distribution/Collection	Developer	Developer	AW
Trans./Interceptor	Developer (CRFs)	Developer (CRFs)	AW
Pump/Lift Stations	Developer (CRFs)	Developer (CRFs)	AW
Tanks	Developer (CRFs)	Developer (CRFs)	AW
Treatment Plants	Developer (CRFs)	Developer (CRFs)	Developer
Rates	Medium	Highest	Lowest
Capital Recovery	Yes	Yes	No



Google Fiber

“Google’s Most Successful Failure”

-- Harvard Business Review



Upcoming Changes

- Mandatory Connections
- Decentralized System
- Capital Recovery Fee ???
- Planned Unit Developments
- Municipal Utility Districts
- Rates – slow increases
- Temporary drinking water feed



THANK YOU

Q&A



Using purple to keep Austin green