

City of Blanco



Blanco Water Workshop

August 20, 2024

First in a series!



City of Blanco Water Rights

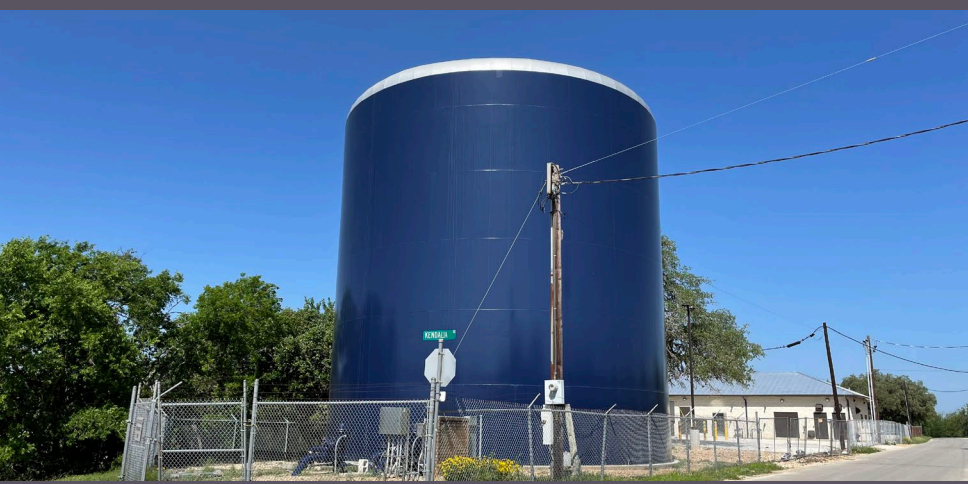
- Blanco River – 600 acre feet/year*
Perpetual duration
- GBRA (currently Canyon Lake) – 600
acre feet/year*
Currently expires 2050 but will renew

****600 acre feet/year = 536,000 gallons/day***



Water Treatment & Distribution*

- Blanco River water– City-owned water treatment plant & internal distribution system
- GBRA water– Treatment by third party with joint distribution from Canyon Lake to point of distribution south of City & City-owned internal distribution system
- *The presentation does not address wastewater. We will address this in the next workshop!!!



Systems Status

- City Water Treatment Plant – under repair and slated for completion in late 2024- early 2025. City to issue CO in Sept 2024 for approximately \$450,000 in final repair costs.
- GBRA/Canyon Lake external distribution system - fully operational but requires ongoing repair and maintenance as well as resolution of ongoing disputes over delivery of full 600-acre feet & financial responsibility for ongoing costs for maintenance & repair
- Internal distribution – operational but requires major ongoing repair and maintenance

History of GBRA/Canyon Lake System

Historically, the City relied upon Blanco River water. But as a backup supply, in 2001 and 2003, the City acquired the GBRA water rights and then partnered for treatment and delivery with Canyon Lake Water Supply Co—now Texas Water Company. The City invested \$512,532 and acquired an interest in the distribution system from Canyon Lake up to the City, as follows:

- **20% of a 12" water transmission main beginning at the junction of Lakeshore Drive and Potter's Creek Road to the 500,000 gallon elevated storage tank located in the Mystic Shores subdivision (a distance of approximately 26,330 linear feet);**
- **11% of a pump station located immediately downstream of the 500,000 gallon elevated storage tank in the Mystic Shores subdivision;**
- **11% of a 16" water transmission main beginning at the 500,000 gallon elevated storage tank located in the Mystic Shores subdivision, thence westerly along State FM 306 to the junction of US Highway 281 and FM 305 (a distance of approximately 32,100 linear feet);**
- **25% of the 1,000,000 gallon elevated storage tank located at the far northwest corner of Stallion Estates subdivision on US Highway 281; and**
- **50% of an additional main, a 12" water transmission pipeline beginning at the junction of US Highway 281 and FM 306, thence in a northerly direction along US Highway 281 (a distance of approximately 7,200 linear feet).**

City of Blanco & Texas Water history (continued)

As of 2001 & 2003:

City invests total \$512,532

Canyon Lake WSC invests total \$2,128,048

Respective interest and investment assigned based on PEAK CAPACITY USAGE.

CITY WILL PAY CANYON LAKE WATER FOR UP TO 500,000 GALLONS PER DAY

For example, investment required for 11% of 16" main along FM 306 was calculated upon and assumed full utilization of the City's 600-acre feet divided by full projected capacity of the main **as of 2001**, as follows:

FM 306 16" main:

City invests \$127,116 (11%)

Canyon Lake WSC invests \$1,028,884 (89%)

Population Served

	Texas Water	Blanco
2005	20,000	1,600
2023	85,000	1,900

Water Connections

	Texas Water	Blanco
2005	6,700	<1,100
2023	26,000	<1,300

System Capacity/Demand (AF)*

	Texas Water	Blanco
Avail Groundwater	8,800	0
Avail Surface Water	6,850	1,200**
Total Demand	7,900	352

* Estimates based on TWC 2022 Water Avail Study & City of Blanco records

** 600 AF currently offline for water treatment plant renovation

History continued -- a growing disconnect between capacity & usage

From 2005 to present, the disconnect between the original capacity/usage model and actual usage by the parties has grown rapidly



History continued – a disconnect fully emerges

- By 2015 the disconnect between capacity and usage is emerging and growing
- In 2019, the City takes water treatment plant offline for repair and renovation and is for now 100% on GBRA water
- From 2015-2022, CLWSC/Texas Water spends \$9,920,000 on upgrades, primarily FM 306 main
 - Texas Water claims City owes > \$990,000 (11% of improvement costs)
- If City doesn't pay its share, Texas Water claims City doesn't own share
 - City disputes all claims



Issues presented:

- What is the future need for Blanco?
- What maintenance burden is the City prepared to bear?
- Should the City reduce/adjust its ownership share?

- Texas Water proposes:
 - *firm delivery of up to 600 acre feet (535,000 gal/day)
 - *1% ownership for City
 - *capped monthly maintenance fee (\$5000)



Q & A -- Discussion



THANK YOU!