

Water Treatment Plant Update Canton City Council Meeting

September 7, 2023







Existing Water Treatment Plant

- **Originally Constructed in 1920's**
- **Majority of the Plant Constructed in 1954**
- **Upgraded in 1996**
- **Capacity: 5.45-mgd**
- **2023 Demand:**
 - **Average Day: 3.2-mgd**
 - **Maximum Day: 4.1-mgd**



2018 Master Plan Projections

Year	Average Day	Maximum Day	Peak Month
2020	3.46	5.13	4.11
2025	3.94	5.91	4.73
2030	4.49	6.73	5.39
2035	5.06	7.58	6.07
2040	5.65	8.47	6.78



Proposed Water Treatment Plant

- **Conventional Filtration Plant Design**
- **8.0 to 10.0-mgd Capacity with the Ability to Expand if Necessary**
- **Space for Additional Process for PFAS**





Cherokee County, GA



Legend

- Parcels
- Railroad
- Streets
 - Highway
 - Highway Ramp
 - Major Collector
 - Minor Collector
 - Minor Local
 - Local
 - Arterial
 - Cul-de-sac/Deadend
 - Unclassified
- Lakes
- Streams
 - Other Streams
 - Etowah River
 - Little River
- Parks
- Municipal Boundaries
- County Boundary
- Railroad
- Streets
 - Highway
 - Highway Ramp
 - Major Collector
 - Minor Collector

1: 17,629



2,938.2 0 1,469.10 2,938.2 Feet

Notes

Untitled Map

Write a description for your map.

Legend

- Untitled Path



Proposed Timeline

- **Issue RFP for Engineering Services – Dec 2023**
- **Select Engineering Firm – May 2024**
- **Detail Design – Jun 2024 – Dec 2025 (18 mos)**
- **Construction – Jan 2026 – May 2029 (42 mos)**





QUESTIONS