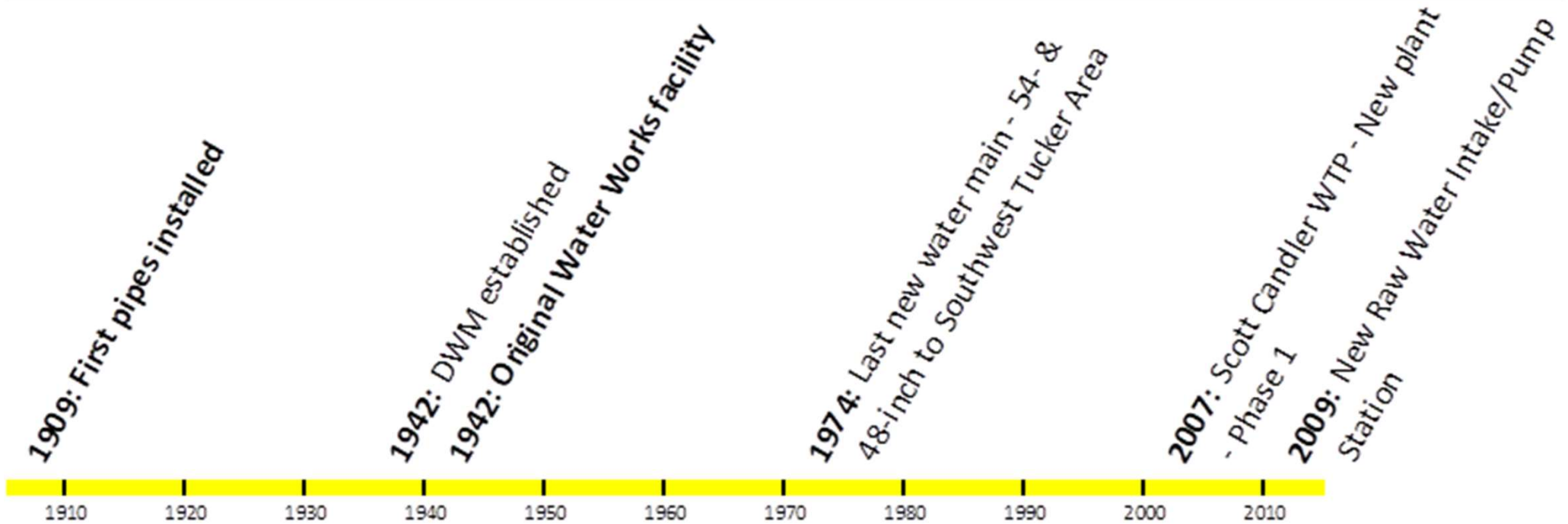
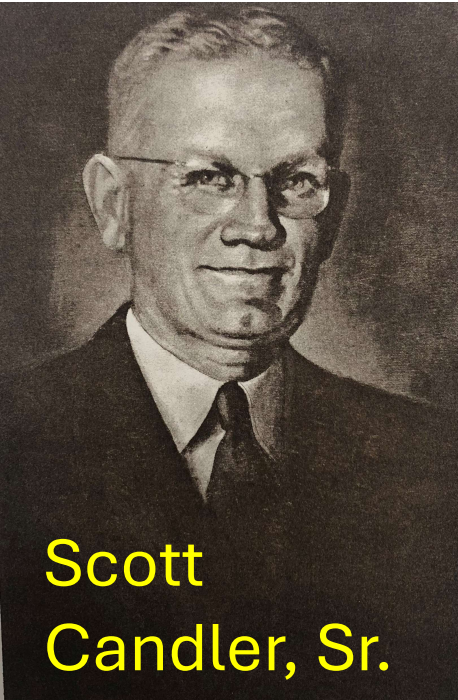




# DeKalb's Water System – First 100 Years Timeline...





Scott  
Candler, Sr.

## Scott Candler's "Folly"



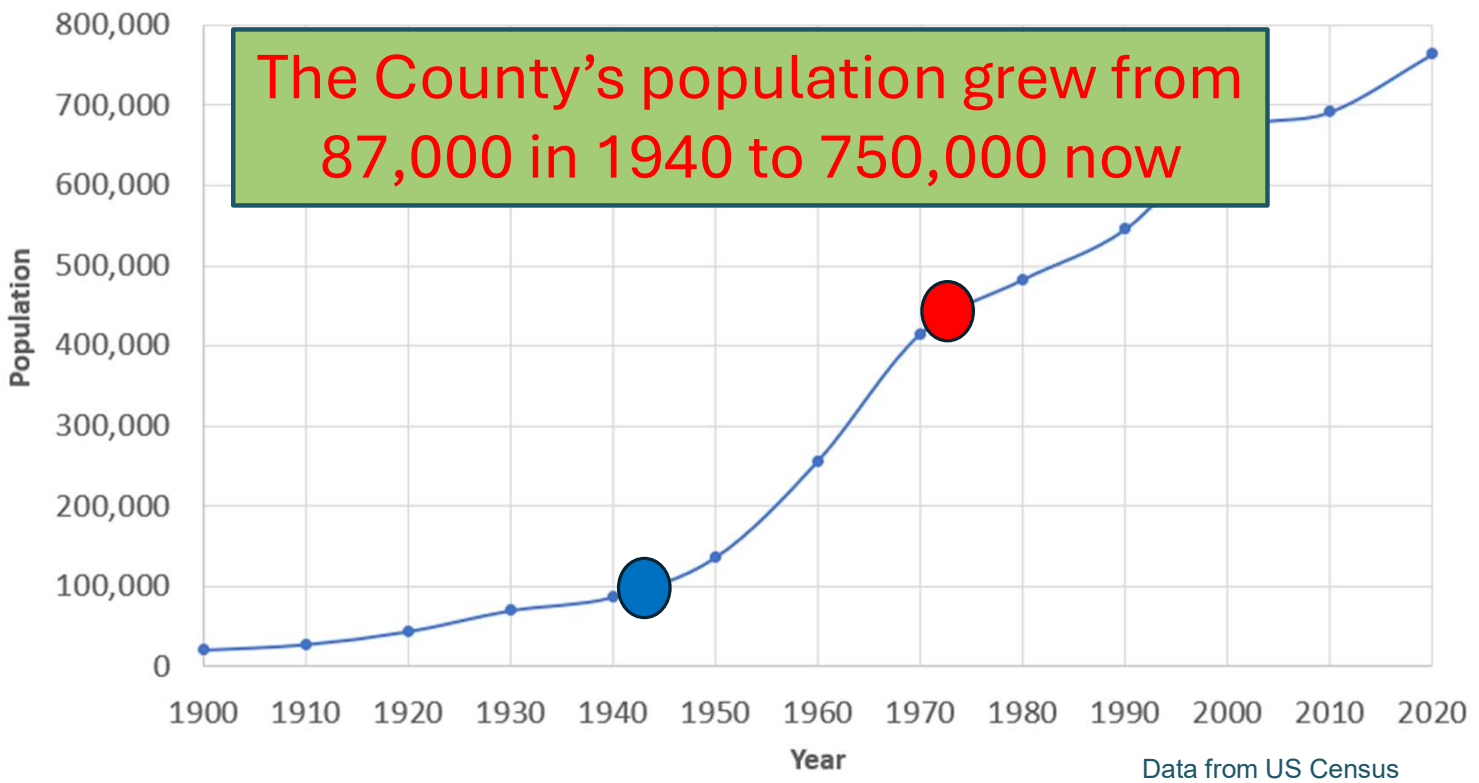
**The Scott Candler Water Treatment Plant**

# The beginning ...

● Water Treatment Plant and Department established

● Last major water main added

DeKalb County Population Growth by Year





## **Significant Achievements since 2017 - \$520M invested in the Water System includes:**

1. Water Treatment Plant improvements (high services pump station header and transfer pumps, steel ground storage tank, ozone generators)
2. Developed and completed the first master plan with recommendations regarding capital improvements through 2050
3. 91 miles of water mains rehabilitated or upsized
4. Total of 149,084 iPERL and out-of-life cycle meters replaced as part of the New Day Project; increased staff at UCO, new billing system
5. Successfully converted over 87% of the meter monitoring system to Advanced Metering Infrastructure (AMI) for more accessible, accurate, and reliable data





# Rehabilitated Storage Tanks at Scott Candler Water Treatment Plant



June 4, 2024

# Header Installation at Scott Candler Water Treatment Plant



# Challenges Ahead

1942  
DEKALB  
COUNTY  
WATER  
WORKS

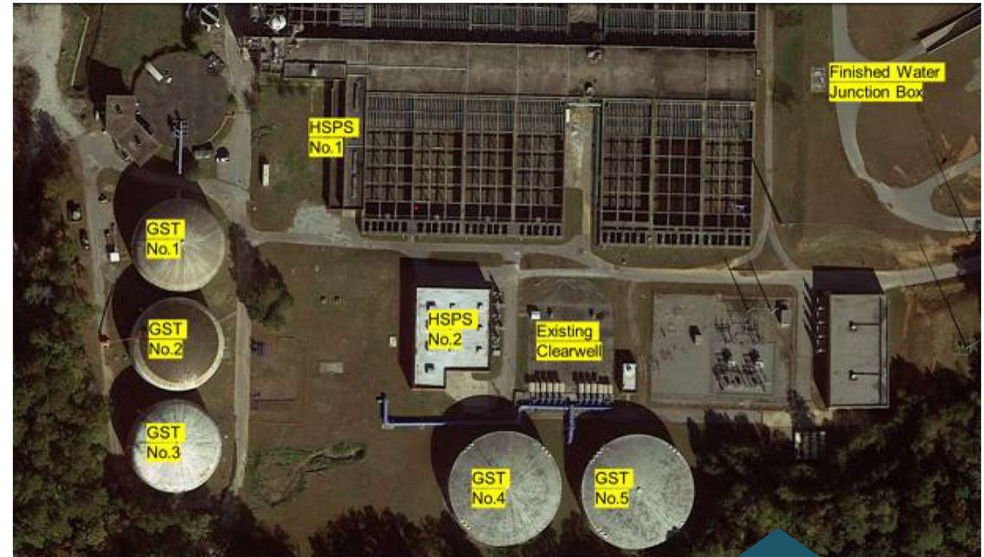
Scott Candler Plant - main building south entrance







# The Only Water Treatment Plant



Phase 2 of the new plant was never completed

Electrical Building at Plant – structural issues with new construction

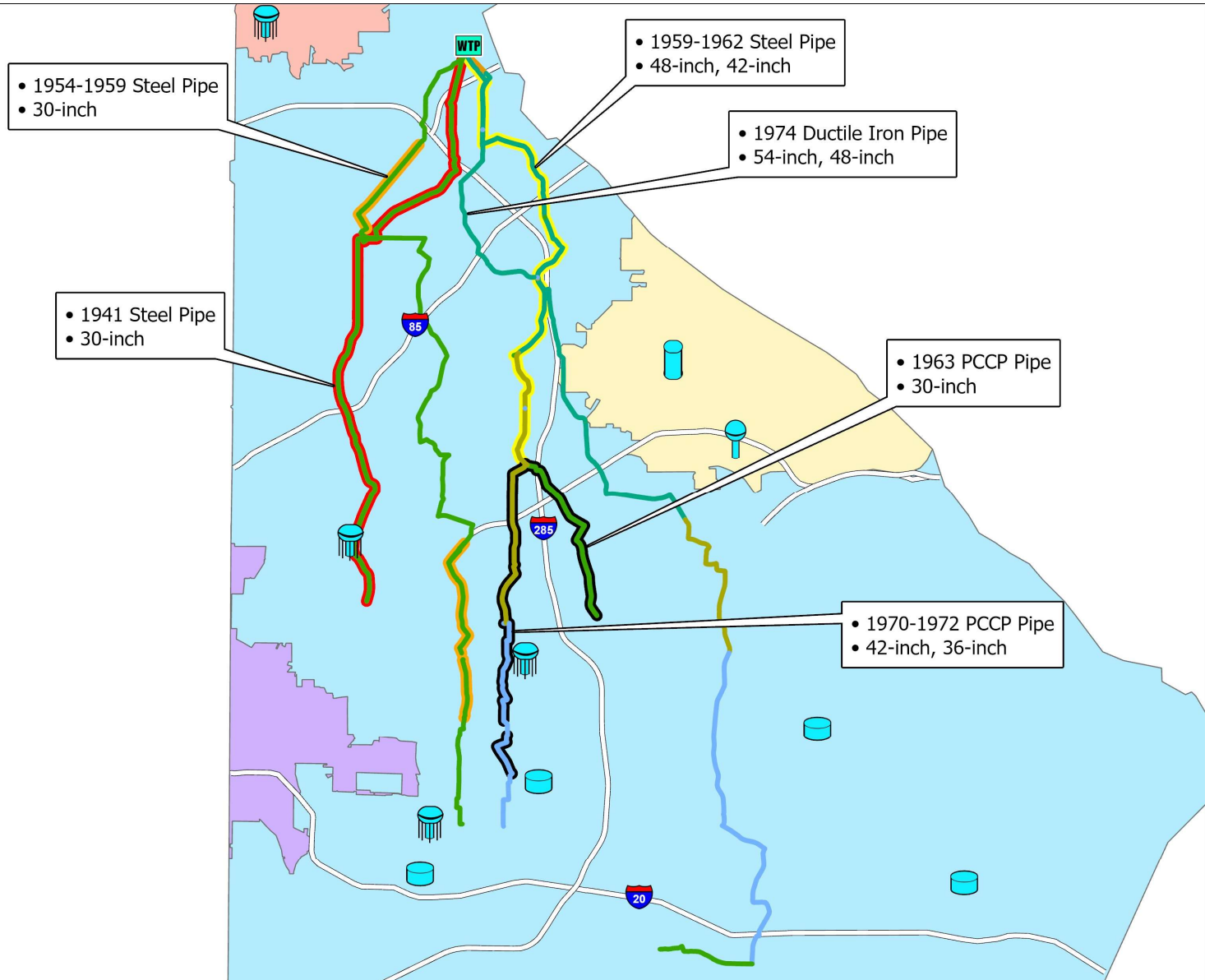
Transfer Pump #13 Starter Cabinet  
burnt

80s era Transfer  
Pumps



June 4, 2024

# Transmission Mains





# Aging Transmission Mains

Both the Buford Highway pipeline that failed in 2019 and the McLendon that failed in 2024 carry about 35% of the flow in the system.

Buford Highway – 2019  
Ductile Iron



McLendon Road  
42" diameter  
Feb/April 2024  
Prestressed Concrete



Celia Way  
January 2023  
Prestressed Concrete



June 4, 2024