



BIG CREEK WATER RESOURCE FACILITY PROJECT **A YEAR IN REVIEW**

The Big Creek WRF Expansion project is one year into the planned 4 years of construction and has achieved several key milestones. This update provides a summary of the project construction over the last 12 months. **THE PROJECT IS ON SCHEDULE AND IS CURRENTLY 27% COMPLETE.**

Expanding to support **OUR COMMUNITY**

Upgrades to the big creek Water Reclamation Facility (WRF) will modernize the existing wastewater treatment processes and increase plant capacity from 24 MGD to 32 MGD (with easy expandability to 38 MGD).

This much-needed project will not only incorporate the most current technological advances in treating wastewater, it will also address odor control, noise, and lighting issues in the surrounding neighborhoods and shopping complexes to support a better community.

THE UPGRADED FACILITY WILL:



SUPPORT GROWTH AND DEVELOPMENT

The larger capacity will support growth in the North Fulton community including Roswell, Alpharetta, portions of Milton, Sandy Springs, and areas of Cobb and DeKalb Counties.



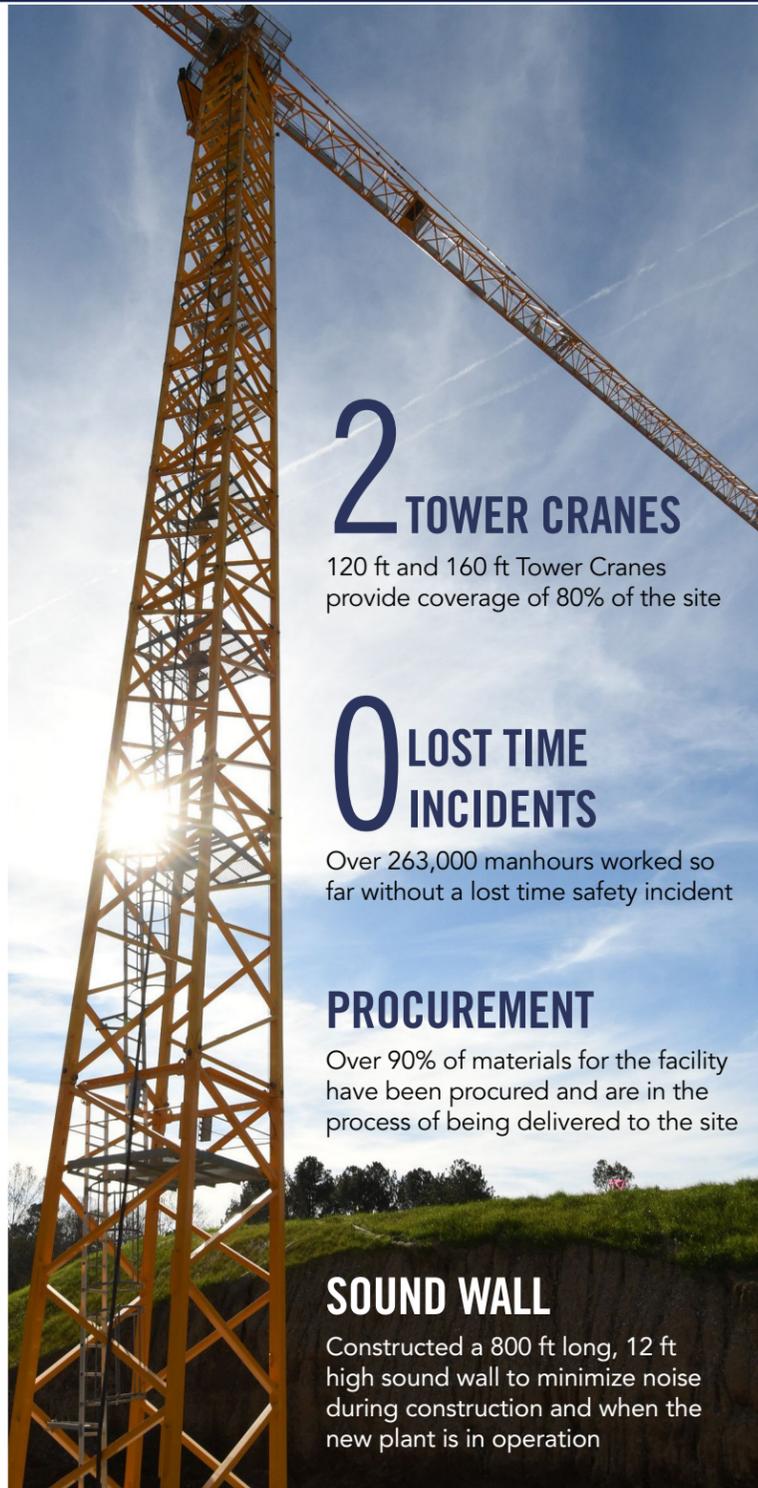
REDUCE ODORS, LIGHT, AND NOISE IMPACTS TO THE COMMUNITY

The new WRF will incorporate the latest in odor, light, and noise control technology to support the health and wellbeing of local neighborhoods and businesses.



SUPPORT A CLEANER RIVER

Membrane technology provides a higher level of treatment that will result in a significantly lower waste load to the river than the current permit. Even with an increase in flow, this project will result in a cleaner Chattahoochee River.



2 TOWER CRANES

120 ft and 160 ft Tower Cranes provide coverage of 80% of the site

0 LOST TIME INCIDENTS

Over 263,000 manhours worked so far without a lost time safety incident

PROCUREMENT

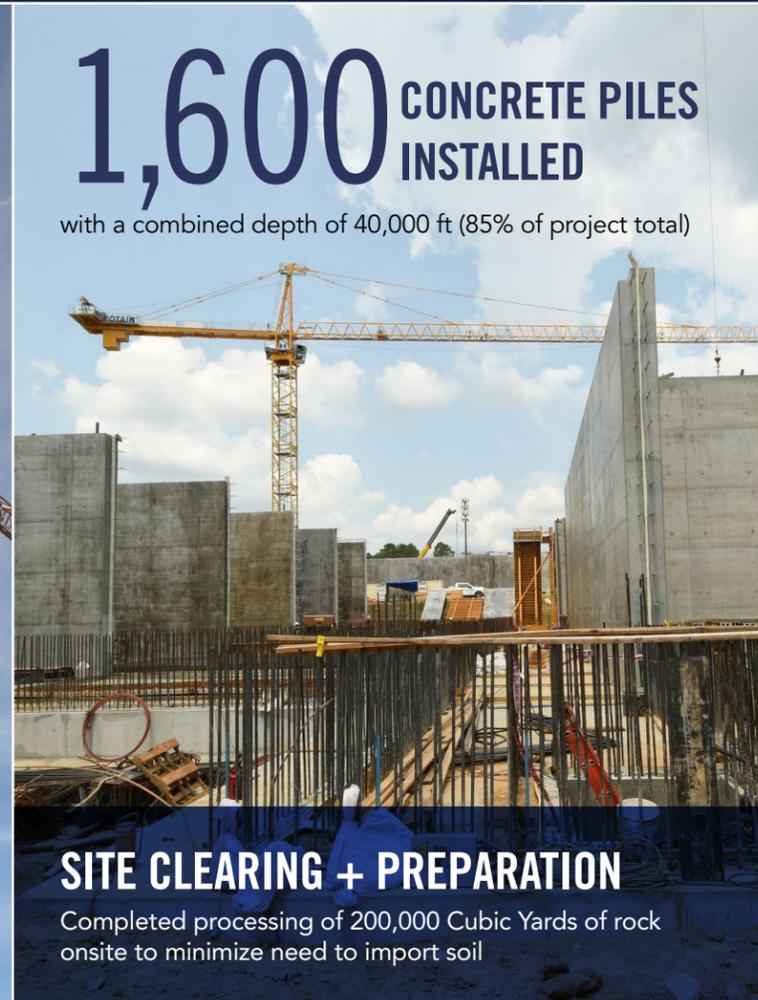
Over 90% of materials for the facility have been procured and are in the process of being delivered to the site

SOUND WALL

Constructed a 800 ft long, 12 ft high sound wall to minimize noise during construction and when the new plant is in operation

1,600 CONCRETE PILES INSTALLED

with a combined depth of 40,000 ft (85% of project total)



SITE CLEARING + PREPARATION

Completed processing of 200,000 Cubic Yards of rock onsite to minimize need to import soil

NAVIGATING THROUGH COVID

The project team is incorporating best practices for social distancing during construction, and to help mitigate ongoing supply chain issues, equipment is being procured early.



2,700 TRUCKS OF CONCRETE

placed 26,900 Cubic Yards of concrete (58% of project total)



THE BIG CREEK WRF TEAM

The Big Creek WRF team brings the best experts in the industry. This team comprises of both national and local experts that include exceptional minority and women-owned businesses.

FULTON COUNTY	Owner
ARCHER WESTERN CONSTRUCTORS	JV Partner and Contractor
BROWN AND CALDWELL	JV Partner and Designer
GRESHAM SMITH	Construction Management
EXCEL ELECTRIC	Electrical Subcontractor
GLOBAL CONTROLS (MBE)	Instrumentation Subcontractor
MAXIMUS CONSTRUCTION SERVICES (MBE)	Concrete Subcontractor
CONTESSA CONSTRUCTION SERVICES (WBE)	Coating Contractor
BERKEL & COMPANY CONTRACTORS	Geotechnical Pile Subcontractor
ANATEK INC. (WBE)	Furnishing, Installation Repair
OASIS (WBE)	Materials Testing Subconsultant
WILLMER ENGINEERING (WBE)	Geotechnical Subconsultant
LONG ENGINEERING (WBE)	Civil Design Subconsultant
JW ROBINSON (MBE)	Architectural Subconsultant
SLKING AND ASSOCIATES (MBE)	Electrical and HVAC Design Subconsultant
RAY GROUP (MBE)	Electrical Design Subconsultant



RENDERING OF FINISHED PROJECT

DIGESTERS

Breaks down sludge and reduces the volume of residuals that need to be disposed

PRIMARY CLARIFIERS + FINE SCREENS

Removes inorganic solids and fine material to help protect downstream membranes

BNR AND MBR TANKS

Biological processes to reduce nutrients (phosphorous, ammonia, and nitrogen), and membranes to produce clean, clear water for discharge to the Chattahoochee River

ODOR CONTROL

Provides state-of-the-art odor control for the entire facility

HEADWORKS

Removes debris and grit from the incoming wastewater flow

UV + POST AERATION

Disinfects water against biological pathogens prior to discharge to the Chattahoochee River

DEWATERING BUILDING

Screw presses dewater sludge and produce dry residuals for disposal in a landfill

EQUALIZATION TANKS

Provides wastewater storage during peak flow conditions

BEFORE INITIATION OF CONSTRUCTION (AUGUST 2019)



STATUS AS OF AUGUST 2021



TIMELINE: SCHEDULE TO COMPLETION

