

GEORGIA TRANSMISSION



Georgia**Transmission**

Protecting Your Right to Light

Georgia Transmission

Keeping the lights on for four million EMC customers by:

- Inspecting and maintaining enough miles of high-voltage power lines and substations to stretch from Atlanta to Seattle.
- Investing more than \$100 million annually in power line and substation construction and upgrades.
- Working with the state's other utilities to plan and operate a power grid to meet Georgia's future energy demand.

Georgia Transmission builds and maintains high-voltage electric transmission systems for the state's customer-owned electric membership cooperatives. We are keeping the power grid strong for four million people and getting it ready for millions more.

GTC by the numbers:

- Own, maintain more than 3,000 miles of power lines
- More than 650 substations
- \$2.1 billion in assets
- \$100 million in annual construction
- Helping plan the state's 17,500 miles of lines
- Supporting 38 EMCs that serve 4 million people

The path from power plant to customer is a link between power lines of decreasing voltages. The common transmission line sizes, measured in kilovolts (kV), in Georgia are: 500 kV, 230 kV, 115 kV, 69 kV and 46 kV.



500 kV

230 kV

115 kV

69 kV

46 kV

Planning

Working with other utilities to jointly plan Georgia's 17,500 miles of transmission lines and substations in a state which will add 4.6 million residents – the populations of Nevada and Nebraska – in the next 20 years.

Meeting the changing needs of 38 EMCs, anticipating changes in technology, power generation, distributed generation, regional interconnections, populations, business growth and energy use.

Building

Adding \$100 million annually in new and upgraded high-voltage power lines and substations.

Protecting environmental, historical and cultural resources while satisfying requirements of many government agencies.

Working with affected landowners, elected officials and communities to locate facilities in the most suitable locations.

Maintaining

Inspecting and protecting more than 3,000 miles of lines and substations from severe weather, peak demand, wear and other threats.

Keeping rights of way clear of vegetation that can cause outages.

Satisfying dozens of federal reliability standards.

Caring

Georgia Transmission cares about protecting the state's natural resources and overall quality of life. As part of this effort, it completes rigorous environmental analyses in compliance with federal and state regulations. In addition, Georgia Transmission partners with the State Historic Preservation Office and the University of Georgia to document historic and cultural resources throughout the state. The company also helps create new wildlife conservation and helps catalogue rare plant and animal species.

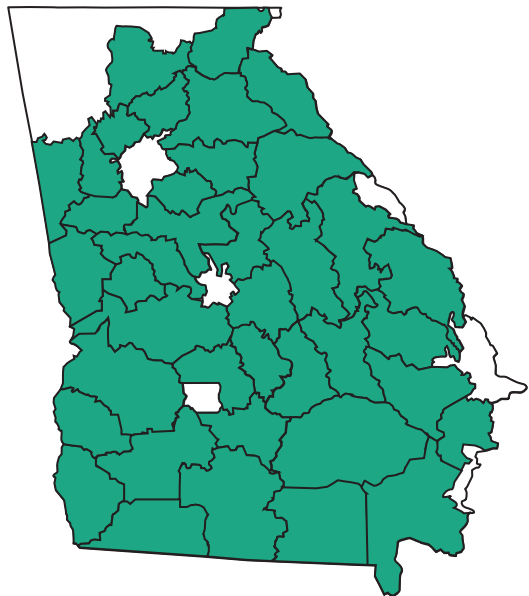


To contribute to the state's overall quality of life, Georgia Transmission regularly supports the Red Cross, the March of Dimes, the Boys and Girls Clubs, the United Way, the Salvation Army's Angel Program, the Trust For Public Lands, the Nature Conservancy and other groups.

Setting a national standard

Georgia Transmission teamed with the Electric Power Research Institute, an industry research group, and created a national model for locating new transmission lines. The GTC-EPRI siting model, developed with citizens groups and neighboring utilities, helps identify the most suitable routes from environmental, community and engineering perspectives. It won a national award for innovation, has been praised in the industry press and has been adopted by other utilities.





Georgia's co-ops
Customer-owned,
not-for-profit utilities
provide electricity
more reliably and more
affordably than the
national average. Co-ops
keep the lights on for
73 percent of the state in
157 of 159 counties.

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