

Southern Company Gas

Emissions Measurement & Mitigation





Southern Company Gas

Atlanta-based natural gas services company and subsidiary of Southern Company.



Corporate Headquarters



GAS Distribution Operations

- Atlanta Gas Light
- Chattanooga Gas
- Nicor Gas
- Virginia Natural Gas



GAS Marketing Services

- SouthStar Energy Services



GAS Storage Assets

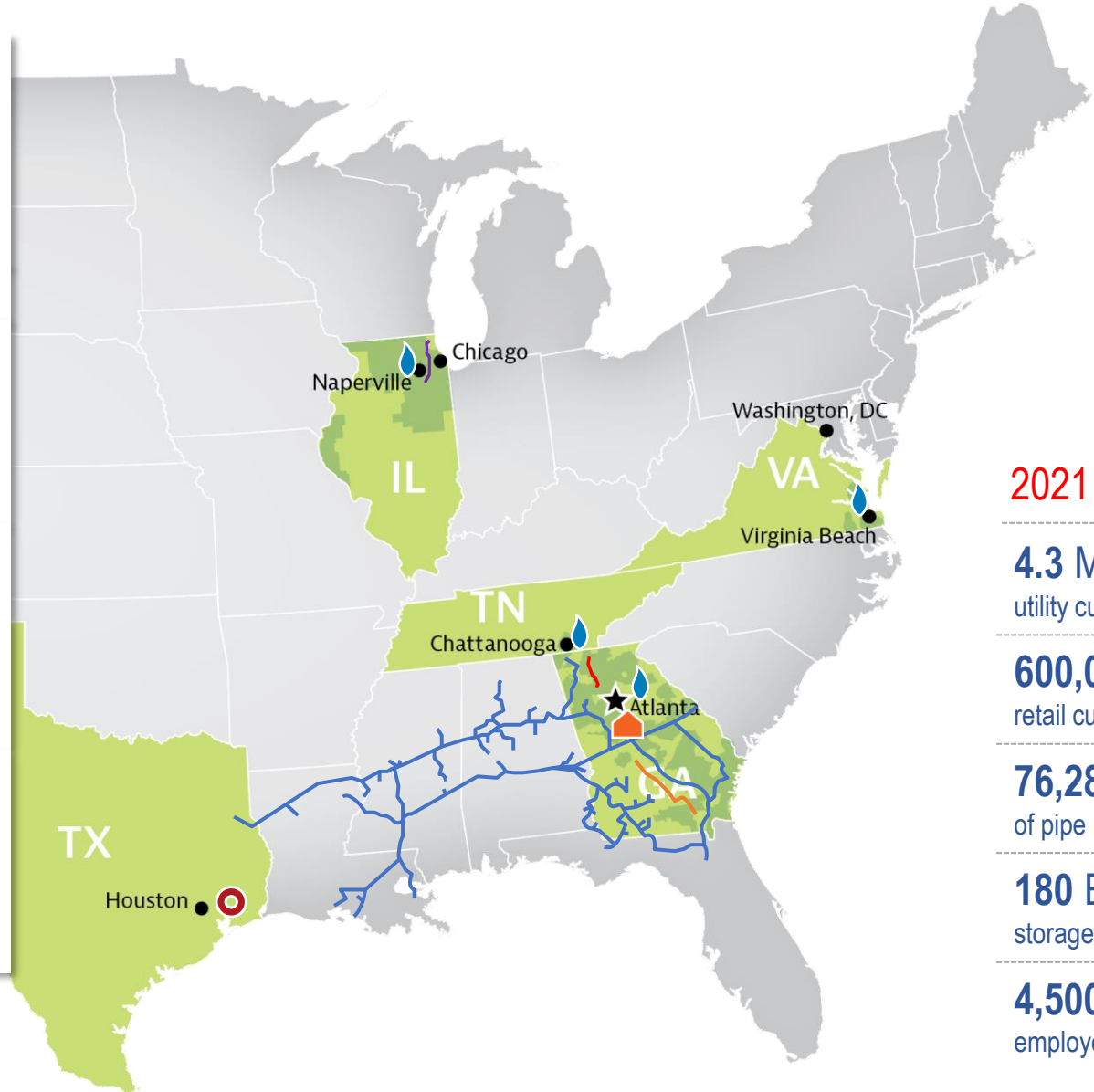
- Central Valley Gas Storage
- Golden Triangle Storage



GAS Pipeline Investments



- Southern Natural Gas
- Dalton
- Horizon
- Magnolia



2021 Stats

4.3 Million utility customers

600,000 retail customers

76,289 Miles of pipe

180 Bcf storage capacity

4,500 employees

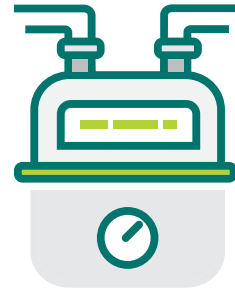
Natural gas and the infrastructure that transports it are foundational to America's clean energy future.



A Historic Shared Commitment to Net Zero

Southern Company has established a goal to reduce its enterprise-wide greenhouse gas emissions 50% from 2007 levels by 2030 and a long-term goal of net-zero by 2050.

This is inclusive of Southern Company Gas operations. We also are focused on opportunities to support emissions reductions across the natural gas value chain – targeting upstream, operational and end-use emissions.



INFRASTRUCTURE
MODERNIZATION



CNG and NGVs



RENEWABLE FUELS



EMPOWERING
CUSTOMER
SUSTAINABILITY



METHANE EMISSIONS
REDUCTIONS ACROSS
OPERATIONS

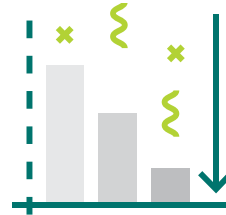


R&D INVESTMENT

Looking to the Future: Implementation of Sustainability Pathways



UPSTREAM



DOWNSTREAM



Next Generation Natural Gas

- Industry engagement and coalitions
- ESG integrated into gas supply RFP process
- Next Generation Natural Gas supply for traditional natural gas
- GTI Veritas sponsorship
- Renewable gas

Net Zero Operational Emissions

- Pipeline modernization
- Advanced leak detection and repair
- Equipment mitigation efforts
- Damage prevention
- Fleet
- Renewable gas

Empowering Our Customers and Communities

- Energy efficiency
- Next generation natural gas technology
- Customer programs
- Natural gas vehicles
- Stewardship
- Renewable gas

The solutions will be **customized for each Southern Company Gas subsidiary**, and the companies work with state regulators, key policy makers and stakeholder groups to design workable plans for each utility that meets the **best interest of customers**.

Advanced Leak Detection and Repair (LDAR) and Other Operational Efforts:

- We are evolving our leak detection methodologies and are using new technologies to enhance productivity and accuracy with a focus on best-in-class, deployable and scalable solutions.
- We are implementing technologies and operational practices to minimize gas release during blowdown procedures.
- We are using predictive analytics and data to complement programs that help minimize our third-party damage rate.



Scanning Technologies

laser based mobile surveying units detect parts per billion up to 600 feet



OGI cameras mounted in place or on a drone surveying in real time



Mobile Compression Technology

preserves gas during maintenance and repair (blowdowns) and is coupled with practices that limit need for non-emergency releases

Thank you!