

Hourly Clean Energy Accounting for Georgia Power's Renewable Program Customers

Georgia Power's C&I customers now have what clean energy commitments require: hourly documentation of their supply mix, CFE share, and Scope 2 emissions.

The Challenge

Large C&I customers wanted more than their existing systems could produce: transparent data on their energy supply, hourly carbon footprint, and renewable subscription performance. Southern Company evaluated their internal systems and every available market alternative, looking specifically for data quality, flexibility, and the ability to incorporate customer feedback, and chose Singularity.

The Platform

The platform ingests generation, metering, registry, and market data and applies allocation rules to produce hourly, auditable outputs for each customer: supply mix, energy attribute certificates, and carbon intensity. Carbon accounting runs on the same data, calculating the full supply mix, hourly CFE share, and resulting Scope 2 emissions, with each step documented end to end. The platform also runs the internal operations cycle: cross-system validation, governance, and the monthly reporting cadence that previously lived in spreadsheets.

In Production

In 2024, Georgia Power ran a 6-month pilot with 10 C&I customers. The results validated the technical approach and the reporting formats — incorporating direct feedback from customers like Google on what actually supports their carbon accounting goals. In July 2026, the platform expanded to full production across Georgia Power's renewable program customers.

"The platform that Singularity helped develop provides customers with hourly energy and emissions data, as well as an overall picture of their sustainability metrics not previously possible."

— Cam Hardin, Director of Customer Solutions, Georgia Power

"The high-quality data we received during our pilot with Georgia Power has enabled us to transition from a carbon-accounting mindset to carbon action."

— Soazig Kaam, Technical Program Manager, Google Energy Products

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hello@singularity.energy