

Carbon Accounting and the AI-Clean Energy Nexus

An Edison Foundation Thought Leaders Dialog

October 10, 2025

Southern Company's Collaboration with Singularity

Original Pilot Drivers

- Customer Clean Energy Goals
- Southern Company's Renewable Program offerings
- Southern Company's Net Zero Transition

Needs

Data

- Generation
- Customer usage
- Customer renewable programs

Customer View

- Hourly historical usage data
- Hourly usage + CFE percentages
- Annual usage view
- What-if program analysis
- Reporting capabilities

SoCo View

- Renewable program management
- CFE hourly tracking/reporting

Timeframe:

- Budget & customer considerations

Platform Options

1. Internal dashboard
2. Engaged consulting company to build capability

3. Engaged third party vendor to deliver capability

- ✓ Data expertise
- ✓ Flexibility
- ✓ Customer interface
- ✓ Future use case capability

About the Pilot

THE PILOT

10 strategic customers were selected to participate (Big Tech, C&I Manufacturing, and large retail customers)



- ❖ Customers received access to the data platform for 12 months
- ❖ Internal engagement to identify and scope potential other use cases

THE VALUE OF SINGULARITY TO SOUTHERN COMPANY



Market Differentiation: Attract and engage high-demand customers by providing desirable data insights timely



Enhanced Customer Experience and support participation in renewable programs by highlighting additional energy reporting insights and clean energy opportunities



Operational Efficiency: Streamline internal environmental reporting and unify renewable program management through a centralized, efficient platform

The Singularity Platform

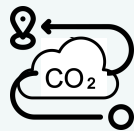
Singularity's data-driven platform empowers suppliers and consumers to reach their carbon-free energy goals by tracing every MWh - along with its environmental attribute and associated CO₂ impact:

Leverages the highest-quality **time- and location-based** supplier data to drive real decarbonization

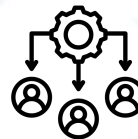
Future-proofs organizations for **next-gen, granular Scope 2** GHG accounting and reporting requirements

Supports all accounting methodologies and easily scales across **internal and external use cases**

Track



Match



Report



Dashboards

Integrations

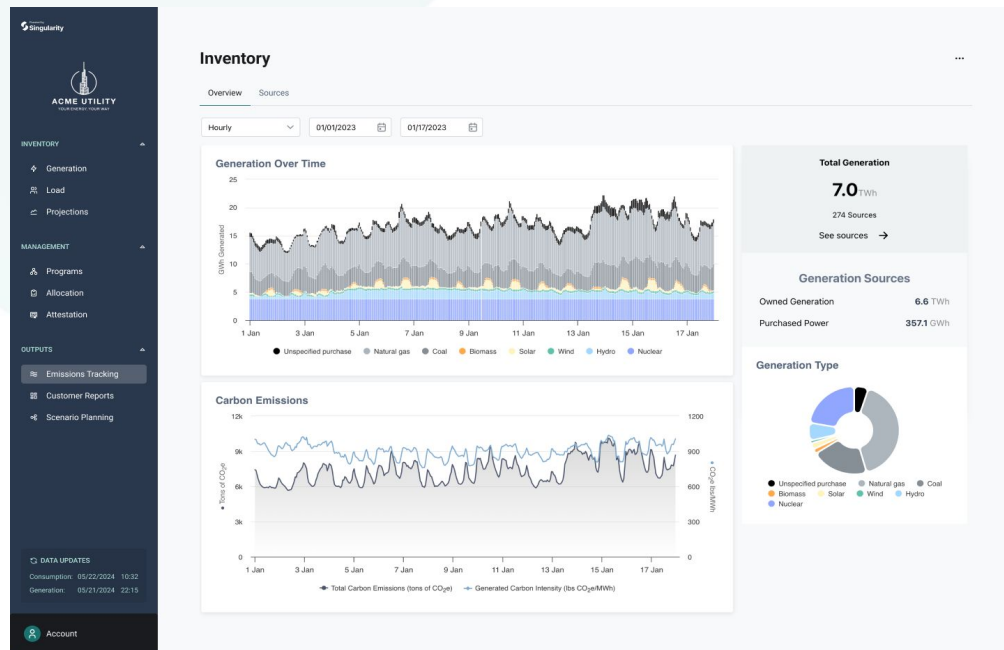
APIs



THE SINGULARITY PLATFORM

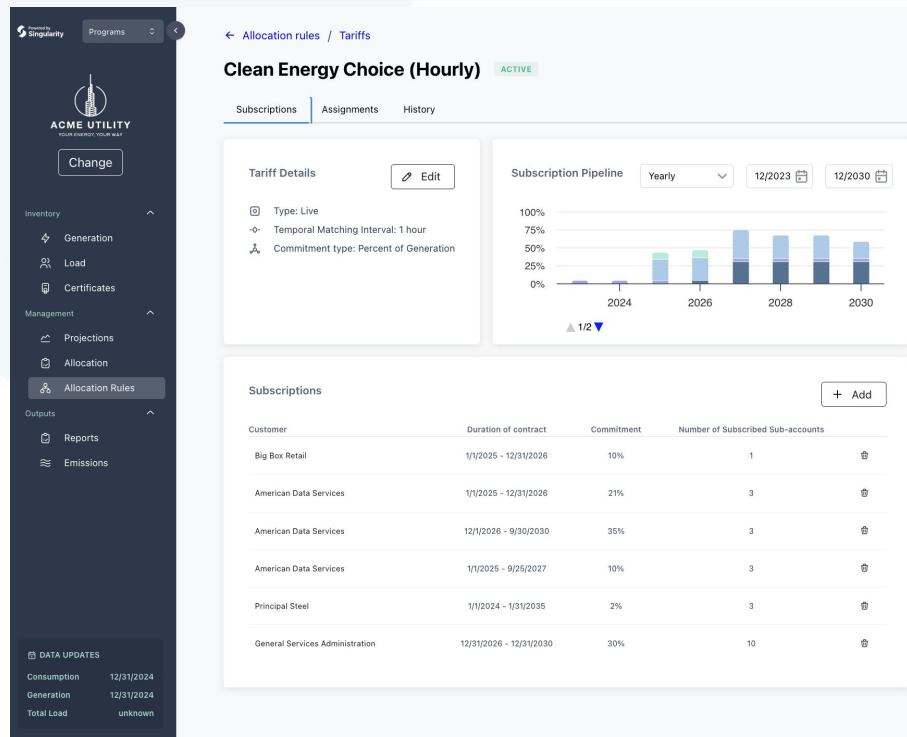
1. Track

- Enables a **centralized inventory of hourly power supply** (owned generation, purchased power, imports), EACs, and associated emissions data, through integration with internal systems.
- **Sets the groundwork** for accurate matching and reporting, future customer program innovation, and long-term planning.



2. Match

- **Allocates MWhs and EACs from generation to customer loads** on an hourly basis, using configurable rules (e.g., tariffs, customer deals, PPAs).
- **Scales to support growing program complexity**, including variable generation vs. load percentages, annual vs. hourly targets, and multiple program enrollments.



3. Report

- **Transparent, data-rich datasets and visualizations**—including hourly consumption, matched supply mix and EACs, and Scope 2 emissions—build trust and unlock customer use cases, from reporting to procurement and operational strategy.
- **Show program impact** with clear before-and-after results
- **Delineate CFE resources** from grid mix and program participation
- **Empower Key Accounts teams** with a compelling sales tool

