

Enabling Next-Generation Scope 2 Data: A Guide for Buyers

Your electricity receipts for purchased power.

Imagine receiving your Scope 2 emissions data, personalized to the energy you buy and consume, directly from your utility/supplier without relying on any third-party calculations or emissions factors. With advances in tracking and reporting technology, the next generation of power source disclosure, purpose-fit for evolving Scope 2 reporting requirements, is not as far off as you think.

Your utility can be more than just a data provider for your Scope 2 inventory—it can also help source the clean energy you need through next-generation green tariffs. This lets utilities do what they do best: deliver reliable, hourly-matched clean energy while reducing the burden on individual buyers.

What to ask your utility.

Your energy supplier can and should be your partner in the transition to updated Scope 2 reporting requirements. If you participate in green tariffs or have special utility contracts, request data specific to your accounts.

- **Hourly meter data** where available, or ask your utility to shape your monthly bill data with their hourly load profiles for your building type.
- **Hourly resource mix and emissions factors.** The hourly resource mix (including % CFE) and emission rate for your utility's standard delivery mix and any green tariffs you are enrolled in, so that you can calculate your own Scope 2 emissions.
- **Personalized resource mix and Scope 2 emissions.** Ask for a report of your specific delivered resource mix and total scope 2 emissions based the standard delivery resources that match your hourly load profile and the green programs you are enrolled in.
- **Attestation/retirement reports** for purchased electricity (e.g., EACs/RECs) managed on behalf of the customer or retirement reports in the registries.
- **Next-generation green tariffs** that deliver hourly accounting/reporting, meet the updated GHG protocol, and credibly reduce your market-based Scope 2 emissions.



Case Study: Southern Company

Singularity and Southern Company have made strides to deliver first-of-its-kind hourly electricity consumption, Scope 2 emissions, and supply mix data to customers. The Singularity platform makes this data available to customers through an interactive dashboard with robust reporting capabilities.

Start asking now.

Updating how your utility tracks and reports Scope 2 emissions and supply mix—and how it structures green tariff programs—can take time. **Starting the conversation today will ensure a smoother transition** for both suppliers and buyers once the updated GHG protocol Scope 2 guidance takes effect.

Start by asking your utility about accessing hourly Scope 2 emissions and supply mix data, as well as expressing interest in next-generation hourly green tariffs. This helps them start the process and better prepare to meet evolving customer needs.



Case Study: Constellation

With Constellation's diverse portfolio of carbon-free resources, they match customer usage up to 100% of every hour with time-aligned CFE generated in the same grid. Constellation also provides on-demand access to our reporting platform with insights into hourly energy sources, emissions rates, and consumption trends.



Case Study: Entergy Arkansas

Entergy Arkansas offers one of the world's first 24/7 CFE tariffs, providing hourly CFE matching with consumers' electricity needs. Go ZERO provides REC and AEC offerings, with certificates retired on a customer's behalf. Customers may also subscribe to 24/7 time-matched reporting of Scope 2 emissions.

How to ask for it.

- Utilities often have multiple stakeholders across different teams. Start by reaching out to key accounts, customer solutions, renewable programs, environmental, operations, or innovation teams to initiate the conversation. Building support across teams is critical.
- Be specific about your data needs (e.g., hourly Scope 2 emissions and supply mix) and intended use cases (e.g., voluntary or compliance reporting, procurement). Clear communication helps your utility prioritize efforts to meet your requirements.
- Check if the data can be delivered through your existing customer portal or via a secure third-party provider. While many utilities don't yet support API access, those capabilities are starting to emerge.
- Reference leading suppliers -such as Southern Company, Entergy, and Constellation- and encourage your utility to engage with them to learn best practices.
- Above all, make it clear that your request is driven by evolving global standards -not a one-off exception- and be patient, as utilities and suppliers may need time to provide the data.
- Finally, if your utility offers a pilot program for hourly data, participate actively and share feedback. Customer input is critical for pilots to succeed and evolve into permanent offerings.