

CUSTOMER CASE STUDY · GRID OPERATOR

Source-by-Source Emissions Accounting for SPP's Member Utilities, Every Hour

SPP's member utilities now have what emissions compliance requires: source-level, hourly GHG data built on SPP's own operational records — accessible in the platform, with a public residual mix report live since May 2026.

The Challenge

SPP's member utilities operate across the central U.S. As state and federal emissions disclosure requirements got more specific, utilities needed to show regulators and public utility commissions exactly what was in their electricity supply, by source and by hour. SPP had the data: generation records, metering data, market transaction records. It had no infrastructure to turn that data into auditable reports each member could actually file.

The Platform

Singularity built that infrastructure on SPP's own operational records. Each hour, the platform traces generation by source across SPP's entire footprint and allocates it to member utilities based on their actual load. Every step is documented. Member utilities access their specific GHG data through the platform; the public residual mix report has been available at SPP's portal since May 2026.

What This Enables

The reports give member utilities the foundation regulators and public utility commissions require: source-level, hourly data documented directly from SPP's operational records. For utilities running clean energy programs for large C&I customers, the same data feeds into Singularity's utility platform to produce customer-specific supply mix and carbon reports. The generation inventory is the starting point; the customer layer builds on top of it.

"This service helps our members track emissions, assisting them in adhering to regulations established by public utilities commissions and other state or federal regulatory bodies. Some of these entities have state-enforced goals, and this initiative helps them meet those requirements."

— Wendy Weaver, Senior Manager, Market Support and Analysis, SPP

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