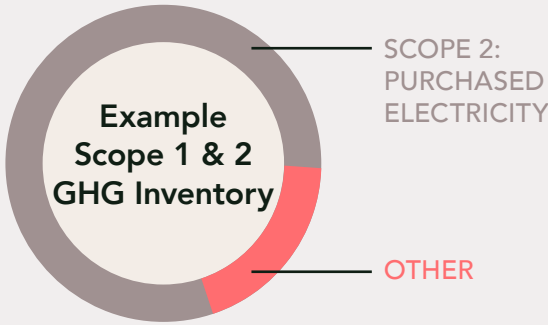


Regional Forecasting: Your Key to Achieving Emission Targets

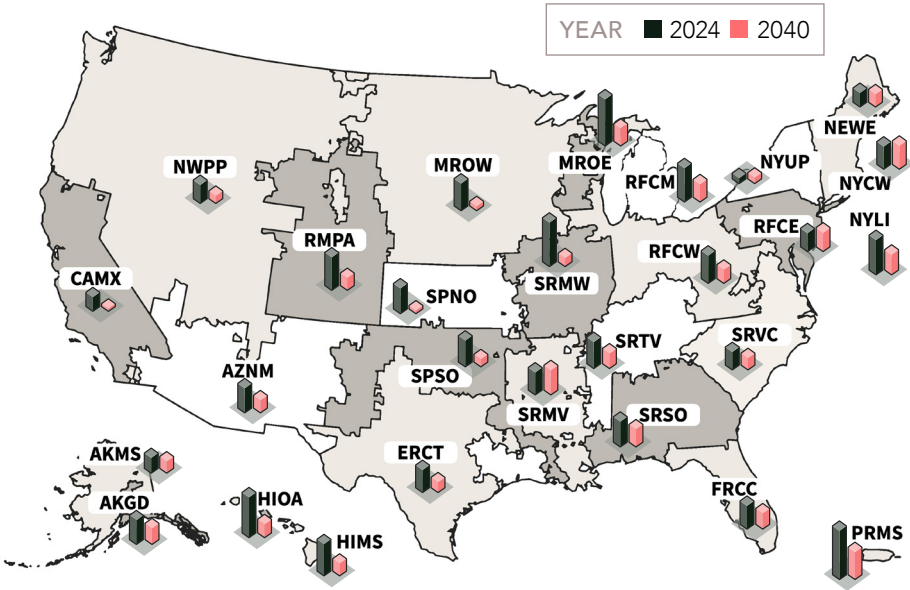


Most of Scope 1 and 2 GHG inventory comes from the emissions associated with power consumption.

If your power emissions are regional, why aren't your forecasts?

Macroeconomic, technological, and policy changes impact the emissions associated with purchased electricity.

These factors vary widely around the U.S., creating significant regional differences in how “green” each grid is.



Current and projected GHG emissions in U.S. Environmental Protection Agency-designated eGRID regions illustrate different rates of “greening.”

Accurate emissions forecasting and analysis should account for these local variations so that you know where to allocate your investments for the greatest emissions impact.

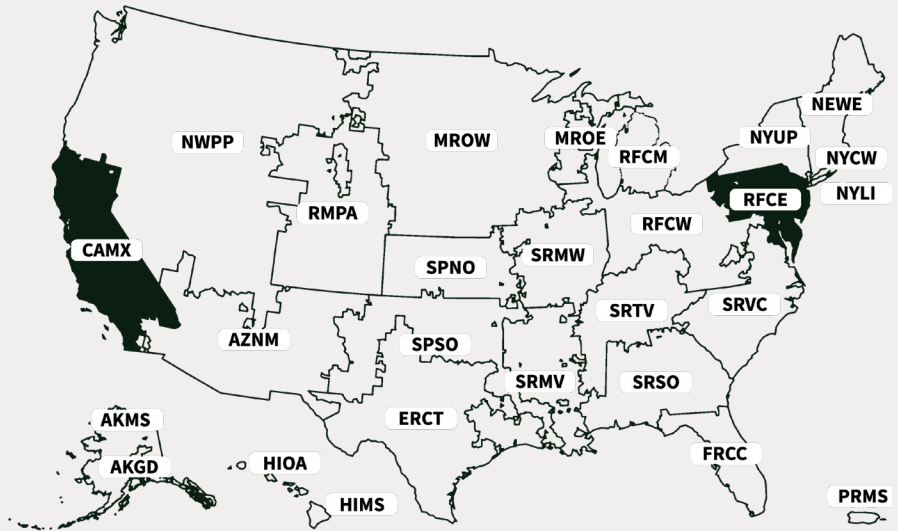
Data-Driven & Regional Decarbonization Roadmaps

Using advanced modeling and comprehensive datasets in Verse's Data Hub, Anthesis captures these critical factors so clients can develop accurate regional emission forecasts that drive informed investment decisions.

EXAMPLE

Leveraging Regional Forecasting: Where Should I Invest to Maximize My Scope 2 Emissions Reduction?

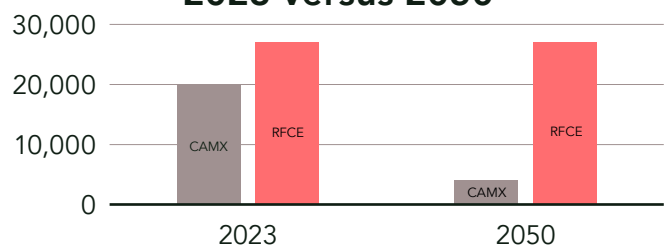
Your Company has operations in California, as well as in Pennsylvania, New Jersey, and Maryland. Which region should you prioritize investments in to best reduce your Scope 1 and 2 GHG emissions?



Using regional forecasting, we can see that California has aggressive grid decarbonization policies in place. Therefore, Your Company will see decreased emissions over time, even if you continue consuming the same amount of electricity.

The Pennsylvania, New Jersey, and Maryland grid, however, is decarbonizing much more slowly, so Your Company's operations in the region will not benefit from the same "greening of the grid."

**MTCO₂e for 100,000 MWh
2023 versus 2050**



This chart illustrates the anticipated reduction in California's grid emissions (significant) compared to that of the grid in Pennsylvania, New Jersey, and Maryland (negligible).

With this information, **Your Company** can make an informed decision about how to optimize capital investments.