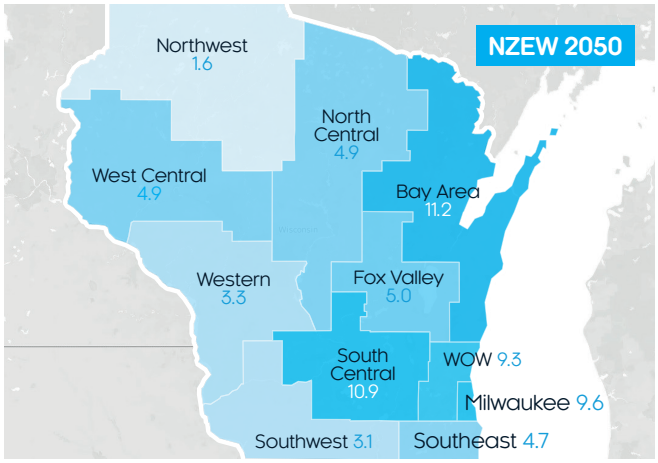
Environment & Energy
Service Area Overview

cambridge econometrics
clarity from complexity

Cambridge Econometrics can advise you on the impacts of climate change, decarbonization and energy policy under different scenarios of greenhouse gas emissions, jobs, energy prices, and the wider economy. Cambridge Econometrics works with non-profits, local, state, and national entities to apply our economic models, interpret workforce effects, and develop market-driven forecasts in the areas of:

1. **Macroeconomic impacts of decarbonization, climate, and energy**
2. **Sustainable Investment**
3. **Natural resource economics**
4. **Climate change and resilience**
5. **Transition to a green economy and green jobs**

Experience highlights



Wisconsin Clean Energy and Net Zero Economic Impact Analysis

Cambridge Econometrics collaborated with GridLab, RENEW Wisconsin, and Evolved Energy Research on a statewide economic impact analysis for Wisconsin, focusing on the transition to clean energy. The project leveraged the E3-US model, specifically adapted for Wisconsin, to examine the economic, societal, and environmental outcomes of decarbonization strategies across the state, including detailed analyses at regional and sub-state levels.

The study aimed to assess the economic implications of investing in clean energy technologies like wind and solar, and the potential effects of energy price changes. It provided forecasts for 2050, evaluating pathways to decarbonize not only the energy sector but also transportation and buildings, with the objective of moving Wisconsin towards a net-zero economy.

Economic Impacts of Decarbonization in Florida

In a collaborative effort with AECOM and the Nature Conservancy, Cambridge Econometrics spearheaded a comprehensive economic impact analysis for Florida, focusing on the transition to clean energy and achieving a net-zero state. This initiative involved tailoring the E3-US model—a premier tool for economic impact and forecasting—to fit Florida's unique context.

The model assists both state and federal policymakers in understanding the potential economic, societal, and environmental outcomes of various policy decisions. For this project, Cambridge Econometrics meticulously crafted scenarios that explore the future of clean energy generation, including solar and wind, alongside investments in net-zero technologies. The analysis pinpoints economic opportunities arising from Florida's push towards expanding its clean energy portfolio and implementing decarbonization strategies across transportation, buildings, and land use sectors.

Experience highlights continued...

US Offshore Wind Deployment Economic Impact Analysis

Cambridge Econometrics provided analytical backing to GridLab about the economic impacts of the rapid decarbonization of U.S. electricity supplies, based on a diversified supply mix with a substantial role for offshore wind investment. Cambridge Econometrics provided economic modeling of the impacts of different decarbonization scenarios, including variants which include different rates of development of domestic U.S. offshore wind value chains. This provided further exploration of how GDP and employment impacts might vary across different pathways and how quickly the U.S. is able to establish domestic offshore wind manufacturing and logistics.

Employment Analysis and Workforce Equity Assessment of Climate Actions for Bogotá, Rio de Janeiro, and Phoenix

Cambridge Econometrics led a project for the C40 Cities, a global network of mayors in the world's leading cities that are united in action to confront the climate crisis. Cambridge Econometrics specifically provided research and analysis to understand city-level employment potential based on a set of climate actions in Bogotá, Rio de Janeiro, and Phoenix. Using Cambridge Econometrics E3-US Model, the project aimed: to assess the job creation potential of selected climate actions, estimate the share of jobs created locally, and to assess the local workforce and the distribution of jobs resulting from climate actions from an equity perspective, accounting for socio-economic aspects of jobs.

e3-US **A State-Level Economic Impact Model**

E3-US Economic Impact and Forecasting Model

E3-US is an advanced tool developed by Cambridge Econometrics to help support decision-makers at the state and federal levels to assess the impact different energy and climate policies will have on a state's economy, society, and the environment. This economic impact forecasting tool is specifically designed to provide deep and rigorous analysis of energy and climate policy. It is equally well-placed to assess a wide range of other policy areas, including industrial strategies, workforce development, and fiscal and macroeconomic policies, including international trade policy.

Energizing the Future Together. Reach out to see how our insights can power your policies toward a sustainable and thriving economy. For more information, contact:

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