

Clean Energy

Clean Energy and Sustainability Analytics Center

Engagement and Outreach

Research and Advisory Services

Our experienced research team uses cutting-edge research to provide actionable, science-based insights to our clients. We help to identify the factors that may influence economic and environmental implications of a clean energy or sustainability project, including policy and sustainability relevance, market dynamics and stakeholder impacts. We undertake applied analysis to advise our clients and recommend ideal implementation strategies.

Approach

- We encourage collaboration between energy stakeholders and policymakers.
- We gather and analyze data to develop clean energy pathways that can be used for informed decision making.
- We generate Computable General Equilibrium-based Integrated Energy Environmental Economic models that can be used for energy and environmental planning in New Jersey.
- We foster faculty and student research in the area of clean energy and sustainability analytics.
- We assist policymakers, business and organizations in developing clean energy and transportation initiatives in the state and act as a resource hub regarding state regulatory and incentive policies.

Modeling and Analytics

We excel in applying analytic techniques and adapting models for novel purposes, and developing new ones to satisfy project requirements. We use a variety of techniques, including economy-wide models, geospatial models, behavioral models, resilience analysis, financial models, emission and energy models, and data analytics at different stages of the project life cycle to provide timely and accurate analyses for our clients.