



Kevin D. Steinberger

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.
Senior Managing Consultant

New York, NY

Mr. Steinberger joined E3 in 2018 and works out of our New York City office. As a member of E3's planning practice, he helps utilities and state agencies plan for a low-carbon grid and analyzes how different policies and business models affect clean energy deployment. He also works with E3's distributed energy resources (DER) group, helping utilities and state agencies evaluate opportunities for customers to employ DERs and address challenges related to rate design. Mr. Steinberger's recent E3 projects include analyzing the feasibility, timing, and costs associated with meeting New York's electric sector targets under the Climate Leadership and Community Protection Act; managing an assessment of pathways for New York City government to meet the requirements of Local Law 97; and analyzing strategies for a Midwest utility to achieve its climate and clean energy goals.

Mr. Steinberger brings extensive experience analyzing the economic and environmental impacts of federal and state energy policies, and he has managed power sector modeling efforts as well as the development of energy policy planning tools. He earned an M.S. in Mechanical Engineering from Stanford University and a B.S. in Mechanical Engineering from Princeton University.

Select projects at E3 include:

- **Analysis of Deeply Decarbonized Electricity Systems, New York State Energy Research and Development Authority (NYSERDA), Ongoing.** Mr. Steinberger serves as the technical lead of E3's analysis of the electric sector impacts of New York's landmark climate law, the Climate Leadership and Community Protection Act. Mr. Steinberger leverages E3's in-house capacity expansion model, RESOLVE, to model the State's electric sector as it moves towards a 70% renewable energy target by 2030 and a zero emissions target by 2040.
- **Local Law 97 Implementation Action Plan, New York City Department of Citywide Administrative Services (NYC DCAS), Ongoing.** Mr. Steinberger is managing the development of the LL97 Implementation Action Plan, a detailed roadmap to achieve the required emissions reductions across New York City government.
- **Deep Decarbonization Pathways Analysis, Confidential Midwest Utility, 2020.** Mr. Steinberger managed an economy-wide analysis of deep decarbonization in the Midwest, with a focus on the implications for the electricity system under a strategy that relies on high electrification of the buildings and transportation sectors. This analysis included a detailed examination of the opportunities to decarbonize the electric sector as well as the reliability challenges associated with meeting increasingly stringent emissions limits, including an analysis of a fully decarbonized system.
- **Transmission Strategy Development in New York State, Confidential Transmission Developer, 2019-2020.** Mr. Steinberger worked with a transmission developer to identify new opportunities to enhance the deliverability of clean energy in New York State. As part of this work, Mr. Steinberger provided a detailed review of transmission modeling performed by the client and assisted in the identification of priority needs.

- **Analysis of Resource Adequacy Procurement Options, Confidential New York Utility, 2019.** Mr. Steinberger supported a confidential New York utility in the New York Public Service Commission's Resource Adequacy proceeding. Mr. Steinberger helped draft a report summarizing resource adequacy procurement and market design issues across the United States, which informed the client's strategy and comment submission in the New York docket.
- **Cost-Benefit Analysis of Energy Efficiency Targets, Confidential State Agency, 2018-2019.** Mr. Steinberger worked with a state agency to examine the costs and benefits of aggressive energy efficiency targets. This work included a detailed bill impact analysis of energy efficiency measures and an analysis of the rate impacts on non-participants.
- **Testimony in Georgia Power 2019 IRP, Georgia Large-Scale Solar Association, 2019.** Mr. Steinberger managed an analysis of Georgia Power's system and developed testimony that identified the costs and benefits of increased solar procurement. The testimony recommended higher levels of solar procurement during Georgia Power's 2019 IRP cycle and also proposed changes to Georgia Power's Renewable Cost-Benefit framework.
- **Examination of Coal Plant Operations under Carbon Pricing Scenarios, Confidential Non-Profit Organization, 2019.** Mr. Steinberger managed the development of an Excel-based tool to model simplified coal unit dispatch under future carbon price scenarios. The analysis was used to evaluate the operations and profitability of coal-fired units in the Midwest and informed the client's policy objectives and strategies.

NATURAL RESOURCES DEFENSE COUNCIL

Climate and Clean Air Program, Policy Analyst

Energy and Transportation Program, Schneider Fellow

New York, NY and Washington, DC

August 2015 – May 2018

August 2014 – August 2015

- Analyzed the economic and environmental impacts of climate policies and researched key energy sector trends
- Presented policy recommendations to federal and state policymakers, including in Congress and at DOE, EPA, FERC, and state environmental agencies
- Commissioned and managed modeling and reports by industry-leading energy and economic analysis firms
- Directed the construction of state and city energy policy tools to inform deep decarbonization planning
- Developed 12 state-specific fact sheets on the Clean Power Plan, charting pathways to meet emissions targets
- Authored renewable energy section of NRDC's regulatory comments on the Clean Power Plan

NEW CLIMATE ECONOMY

Innovation Chapter, Research Analyst

Palo Alto, CA

March 2014 – June 2014

- Constructed experience curves to illustrate potential cost reductions of wind and solar in key markets
- Modeled and analyzed the global emissions impact of accelerated deployment of low-carbon technologies
- Contributed research and writing on the global impacts of innovation on the electricity sector

CLEAN COALITION

Hunter's Point Microgrid Project, Analyst

Palo Alto, CA

November 2013 – March 2014

- Developed model to process local utility's feeder-level SCADA data and create load profiles
- Simulated high penetration of distributed generation to examine impacts on the power grid

CASSIDY & ASSOCIATES

Energy and Environmental Policy Group, Intern

Washington, DC
June 2013 – August 2013

- Monitored legislation and prepared policy briefs on issues ranging from energy efficiency to nuclear waste
- Profiled prospective clients and crafted strategies for new business development opportunities

Education

Stanford University
M.S., Mechanical Engineering

Palo Alto, CA
April 2014

Stanford Graduate Fellowship, Independent Work: Investigation of Solid Carbon Fuel Cells

Princeton University
B.S., Mechanical Engineering

Princeton, NJ
June 2012

Senior Thesis: Economic Viability of Biochar and Bioenergy Systems

Citizenship

United States