

Vivan Malkani

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

San Francisco, CA

Senior Consultant

Vivan Malkani joined E3 in 2020 after completing his master's degree in Management Science and Engineering at Stanford University. At E3, Vivan has worked on projects with state agencies and utilities on topics within E3's Climate Pathways and Electrification practice area, such as developing long-term economy-wide emission reduction roadmaps in California, exploring the economics of building electrification in New York, and exploring long-term gas system decarbonization strategies across different states.

Before joining E3, Vivan's coursework in his graduate and undergraduate studies focused on environmental economics and policy analysis, development economics, and econometrics. His past work experience includes a fellowship at the Natural Resources Defense Council and different research positions at Stanford, exploring topics such as economic modeling of residential sector electrification in California, emissions accounting in California, and utility ownership structures.

Notable E3 projects include:

- **Gas System Depreciation Study and Affordability Analysis, NYSERDA (2022 – present).** Contributing to analysis of New York state's gas system transition costs under different electrification and decommissioning scenarios, examining impacts on utility revenue requirements and stranded costs, as well as subsequent customer bill impacts.
- **2022 Scoping Plan Update, California Air Resources Board (2020 – 2022).** Part of modeling team assisting state regulatory agency in establishing a technical roadmap to meeting California's emission reduction goals in 2030 and 2045, using E3's PATHWAYS model. Scenarios explored cost and emission reduction impacts of several sector-specific decarbonization measures, resulting in a proposed set of strategies guiding future policy decisions.
- **Building Electrification Roadmap, NYSERDA (2020 – 2022).** Part of modeling team exploring customer and societal economics of building electrification across customer segments in New York state, using "supply curves" to develop technology adoption forecasts under different policy scenarios to inform state building decarbonization strategy.
- **Carbon Mitigation Calculator, San Diego Gas and Electric (2020 – 2021).** Contributed to development of online tool to assist San Diego city planners with exploring different emission reduction strategy portfolios, focusing on building and transportation decarbonization.

Natural Resources Defense Council

Schneider Fellow

San Francisco, CA

Summer 2018

- Worked with Climate and Clean Energy team on building decarbonization, integrated resource planning and renewable energy procurement.
- Developed a technical potential and economic analysis model to analyze energy savings, emission reduction potential and customer economics of residential electrification measures

Education

Stanford University
M.S. in Management Science and Engineering

Stanford, CA
June 2020

Stanford University
B.A. in Political Science

Stanford, CA
June 2019