

# Joshua Spooner

44 Montgomery Street, Suite 1500, San Francisco, CA 94104  
[josh.spooner@ethree.com](mailto:josh.spooner@ethree.com)

## **ENERGY AND ENVIRONMENTAL ECONOMICS, INC.** *Senior Consultant*

San Francisco, CA

Joshua Spooner supports E3's work in integrated system planning. Joshua has an interdisciplinary background and previously worked at the National Resources Defense Council and Pacific Gas & Electric, focusing on building electrification and strategies to decarbonize the gas system. Joshua also completed an M.S. in Energy Systems Management at USF, culminating with an integrated resource plan that outlined pathways for Arizona Public Service to achieve net-zero emissions. At E3, Joshua works on long-term electric resource plans and economy-wide climate pathways analyses, with an increasing focus on emerging technologies and equity within the energy transition.

Since joining E3, Joshua has been involved in projects including:

- Developing California's 2023 Preferred System Plan (PSP) and assessment of Mid-Term Reliability (MTR) need
- Supporting IRP reports by Public Utility of New Mexico (PNM) and Manitoba Hydro
- Modeling alternative strategies for Sacramento Municipal Utility District (SMUD) to achieve zero Carbon emissions
- Analyzing the impact of Everwind's Hydrogen production facility in Nova Scotia Power's service territory

## **PACIFIC GAS & ELECTRIC COMPANY** *Decarbonization Strategies Intern*

Oakland, CA  
May – September 2022

- Utilized GIS to map PG&E's hard-to-electrify gas customers and estimated the supply of zero-emission fuels required in 2045
- Contributed to engagements with the CPUC on zonal electrification and decarbonized gas
- Analyzed data on upcoming gas system maintenance to assist CCA planning processes

## **NATURAL RESOURCES DEFENSE COUNCIL** *Energy Policy & Equity Staff*

San Francisco, CA  
October 2021 – May 2022

- Assisted in preparing public comments to California regulators; preformed research, analysis, and writing for public policy briefs and memos
- Major Topics of work include estimating customer impacts & incentive planning for widespread transportation & building electrification

## Education

University of San Francisco  
*M.S., Energy Systems Management*

San Francisco, CA  
May 2022

St. Mary's College of California

Moraga, CA

