

Joshua Spooner

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

San Francisco, CA

Associate

Joshua Spooner supports E3's work in resource planning. Joshua has an interdisciplinary background and previously worked at the National Resources Defense Council and Pacific Gas & Electric. There Joshua focused on energy policy and resource planning, including the role of the gas system and low-emission fuels in a deeply decarbonized future. Joshua also completed an M.S. in Energy Systems Management at USF, culminating with an integrated resource plan outlining pathways to achieve net-zero emissions for a western utility.

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

- Assisting PNM in designing scenarios to model hydrogen-fired generators in its IRP
- Supporting the assessment of California's Mid-Term Reliability (MTR) need for 2026-30
- Analysis and modeling of hydrogen production and usage for Nova Scotia Power
- Providing insight on the Inflation Reduction Act, including credits for clean energy generation and low-emission fuels

PACIFIC GAS & ELECTRIC COMPANY

Oakland, CA

Decarbonization Strategies Intern

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

San Francisco, CA

Energy Policy & Equity Staff

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 implications of a Hydrogen-based gas system and building electrification

Education

University of San Francisco

San Francisco, CA

M.S., Energy Systems Management

May 2022

St. Mary's College of California

Moraga, CA

B.S., Environmental Science

May 2018