

# Joshua Spooner

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

San Francisco, CA

*Associate*

Joshua Spooner joined E3 in 2022 and will support E3's work in distributed energy resources. Joshua previously worked at the National Resources Defense Council, then at Pacific Gas & Electric, focusing on building electrification and strategies to decarbonize the gas system. Joshua brings professional and academic experience in energy decarbonization policy and resource planning, plus an interdisciplinary background including several collaborative projects. 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 and mitigate extreme heat.

## **PACIFIC GAS & ELECTRIC COMPANY**

Oakland, CA

*Decarbonization Strategies Intern*

May – September 2022

- Analyzed data on upcoming gas system projects to assist CCAs in planning electrification projects
- Contributed to engagements with the CPUC on zonal electrification and modified a stock turnover model to examine the effect of different levels of electrification on California's gas system
- Utilized GIS to map PG&E's hard-to-electrify industrial gas customers and estimated the supply of zero-emission fuels required in 2045
- Created a comprehensive summary of H.R.5376, the Inflation Reduction Act

## **NATURAL RESOURCES DEFENSE COUNCIL**

San Francisco, CA

*Energy Policy & Equity Staff*

October 2021 – May 2022

- Performed research, analysis, and writing public policy briefs and memos; assisted in preparing public comments to California regulators
- Major Topics of work: Building code compliance and HVAC decarbonization, incentives for electrification and panel upgrades, implications of a Hydrogen-based gas system

## **UNIVERSITY OF SAN FRANCISCO**

San Francisco, CA

*Teaching Assistant*

August 2021 –

- Assisted the professor in grading and administering courses in Quantitative Methods, Energy Technologies, and Electricity Systems

## 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