Hannah Platter

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC. San Francisco, CA
Senior Consultant

Hannah Platter supports E3's analysis on a wide variety of topics related to electrification and economy-wide decarbonization pathways. Their recent experience includes several projects focused on the bill impacts and customer affordability questions related to building electrification. They have also examined community benefits and non-energy benefits of electrification as well as contributing to E3's rate design analysis. Hannah came to E3 after graduating from Smith College with a double major in Engineering and Jewish Studies. There they completed a capstone project that worked with a local agricultural tech start-up to create a gas separation proof of concept.

California Public Utilities Commission, Integrated Resource Plan, 2022-Present. Completed numerous tasks across the CPUC IRP as an analyst and assistant-project manager. Served as the assistant project manager and led the 2024 analysis to update non-optimized costs. Developed a model, which became integrated into E3's RESOLVE model, to calculate the forward-looking revenue requirement including wildfire costs and high electrification costs. Conducted qualitative research into procurement risks for long lead time resources, such as offshore wind turbines. Looked into supply chains and market challenges to create a framework for understanding the likelihood of delays for offshore wind in California.

Hawai'i State Energy Office, Decarbonization Pathways 2023. Conducted decarbonization pathways modeling for the state of Hawai'i to evaluate economy-wide emissions and understand the actions required to achieve emissions reductions in line with the state's short-term and long-term GHG targets.

Washington Public Utility District Association (WPUDA), Washington NEM Evaluation, 2023.
Developed a robust catalog of benefits and costs of customer solar to evaluate lifecycle cost tests, a cost shift forecast, and rate and bill impacts. Quantified additional societal benefits to residents of Washington, including reduced criteria pollutant emissions, reduced greenhouse gas emissions, and reduced land use impacts. Provided a jurisdictional review of tariff designs for customer generation, highlighting trends in the rate design across similar jurisdictions.

Confidential Electric Utility, Customer Affordability Analysis, 2023. Built a customer energy cost model to examine the impacts of electrification, efficient device usage, customer solar, rate design, and upfront incentives on customer bills. Analysis included modeling mixed fuel and all-electric customer, with and without electric vehicles, to understand energy burden of different customer types in key years.

California Public Utilities Commission, Advanced Rate Design, 2022-2023. Created a fixed charge tool calculating the revenue neutral design of rates and residential customer impacts as part of E3's bill impact and customer affordability support for the CPUC fixed charge proceeding.

California Public Utilities Commission, Fuel Substitution Calculator, **2022.** Updating E3's previous work for the CPUC, built an Excel calculator that determines whether building upgrade measures fit requirements to receive CPUC incentives. The tool evaluates the energy and carbon usage of building electrification measures.

Portland General Electric, EV Program Evaluation, 2022 - 2023. Analyzed the success of PGE's charging and electric bus programs. Used quantitative analysis, including PYTHON, data visualizations, and large data analysis in support of a larger Opinion Dynamics study of PGE programs.

SMITH DESIGN CLINIC / CLEAN CROP TECHNOLOGIES Northampton, MA
Capstone Design Project September 2021 – May 2022

- Worked with local start-up to create gas separation and recycling system proof of concept
- Led a team of four as Project Manager in the first quarter, guiding deliverables such as technical memos and public presentations
- Responsible for establishing independent goal setting, long-term project planning, and time management
- Ensured stakeholder needs were met, including EPA and OSHA compliance

UNIVERSITY OF VERMONT, PANIKKAR LAB Burlington, VT
Research Assistant May 2021 – August 2021

- Helped create and execute a coding scheme for reviewing city resilience plans to evaluate their diversity, inclusion, equity, and justice strengths
- Analyzed data, created visualizations, and co-authored the corresponding academic paper (Link: https://direct.mit.edu/crcj/article/doi/10.1162/crcj_a_00007/117388/Evaluating-the-Incorporation-of-Climate-Justice)
- Compiled research summaries on Arctic rural energy transition policy

Education

Smith College Northampton, MA
B.S., Engineering Sciences, Jewish Studies May 2022