



Molly Bertolacini

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

New York, NY

Consultant

Ms. Bertolacini is an experienced analyst and project manager with experience in building decarbonization, equity, electrification, energy efficiency, and project leadership. She works on projects covering a diverse array of topics in E3's Climate Pathways and Electrification practice area including building electrification, customer affordability, gas utility decarbonization plans, and the issues related to the future of natural gas. Past projects have also considered the role of supply-side resources, such as renewable natural gas and hydrogen, in utility decarbonization strategies. She joined E3 after earning her Master of Science in Civil and Environmental Engineering, focusing on Energy, Civil Infrastructure, and Climate from the University of California, Berkeley.

Ms. Bertolacini previously has worked as a Research Assistant at Lawrence Berkeley National Laboratory where she studied how to decarbonize buildings faster and more equitably. She has also worked as a program coordinator at the Natural Resources Defense Council (NRDC) in the People & Communities program and as the storytelling co-lead for the Energy Efficiency for All (EEFA) coalition. In addition to her M.S., Ms. Bertolacini holds a B.A. from The College of William & Mary in both Environmental Science and Policy and Hispanic Studies.

Recent E3 projects include:

Confidential Gas Utility, Scenario Modeling for Gas Decarbonization, 2022 – ongoing. Leads PATHWAYS modeling and economywide total resource costing for different pathways to decarbonization for a gas utility client. Contributions also include research and geospatial analysis for a distributed energy resources report as part of the project's deliverables.

City of Palo Alto, Customer Affordability Calculator, 2022 – 2023. Built a customer affordability calculator to examine customer impacts of different scenarios for electrification. Calculator included both on-bill and upfront costs for customers across varying ranges of end use electrification, income level, incentive program options, and rate designs.

New York City PowerUp NYC Grid Readiness Research (2022 - Present). Primary analyst for the building electrification topic areas – affordability (considering the electrification of affordable building stock) and feasibility of heat pumps (cost-effectiveness of heat pumps and all-electric new construction) – for an E3's project supporting the implementation of New York City's Long Term Energy Plan. Analysis will be included in E3's recommendations for how to best prepare New York City's grid for electrification and support grid reliability and resiliency in NYC's Disadvantaged Communities and Environmental Justice Areas.

Support for NYSERDA's 2030 Building Electrification Roadmap, 2022 – 2023. Contributed storytelling to better and more clearly communicate the customer impacts of electrification pathways related to E3's support of New York's Building Electrification Roadmap.

Confidential Client, Gas Decarbonization Modeling Support, 2023. Primary clean fuels analyst conducting emissions accounting and cost analysis for supply-side utility decarbonization measures. Analysis will be included in E3's broad optimal decarbonization portfolio to help the utility meet regulatory emissions requirements.

LAWRENCE BERKELEY NATION LABORATORY

Graduate Student Research Assistant

Berkeley, CA

August 2021 – May 2022

- Conducted research on equitable building decarbonization and programs to accelerate energy efficiency, renewable energy adoption, and building electrification. Included literature reviews, landscape analyses, interviews, data analysis, information synthesis, and presentations.
- Supported scaled adoption strategies for Integrated System Packages in commercial buildings.

NATURAL RESOURCES DEFENSE COUNCIL

Program Operations Manager

New York, NY

February 2021 – August 2021

- *Equity Review Committee:* Analyzed project-level racial equity assessments; provided feedback to ensure policy priorities and community engagement strategies center equity and the priorities of those most impacted.
- *Budget Leadership:* Served as primary lead for People & Communities budget; assisted in strategic decision-making and guided staff through budget planning/analysis; liaised between relevant institutional stakeholders; assessed budget dedicated to equity and partnerships.
- *Collaboration, Integration, & Communications:* Led integration across program divisions and projects; managed monthly newsletter and internal communications.
- *Project Management:* Managed People & Communities leadership coordination; built systems to streamline collaboration and cross-pollination processes; provided critical full-program lens to all assignments and tasks; ensured integration and cross-pollination.
- *Data Analysis & Metrics:* Developed projects in data analysis, impact assessment, target creation, and metrics around strategic priorities and racial equity integration.

ENERGY EFFICIENCY FOR ALL (EEFA)

National Storytelling Co-Lead

New York, NY

September 2019 – August 2021

- *Project Management:* Assisted in development and launch of a project to better capture successful energy efficiency program design evolutions and barriers to success using technical analysis, interviews, and storytelling. Managed team budget; coordinated contracts and pass-through grants to partner organizations.
- *Partnerships and Narrative Building:* Partnered with EEFA state coalitions to uplift the experience of residents, owners, and workers impacted by our work in energy efficiency. Built narratives and content to humanize technical work of EEFA.

NATURAL RESOURCES DEFENSE COUNCIL

Program Coordinator, People & Communities

New York, NY

June 2018 – February 2021

- *Project Management:* Established automated project bank to further cross-disciplinary coordination and support ongoing projects within People & Communities.

- *Leadership*: Designed and implemented a training/rollout process for new financial tools; educated staff on systems to streamline accounting/finance mechanisms across the organization. Represented junior staff interests at monthly meetings with NRDC’s executive team.
- *Technical Research/Support*: Used FEMA dataset to assist in calculations to inform a data visualization project around Severe Repetitive Loss Properties. Used Low-Income Energy Affordability Data (LEAD) Tool and ArcGIS to develop vulnerability and energy burden maps for city benchmarking policy advocacy.
- *Budget Management*: Developed/managed People & Communities program budget; streamlined systems for improved quarterly reporting; tracked grant spending and coordinated with Development and Finance on grant deliverables, proposals, and reports.
- *Administrative Duties*: Managed on and off-site events, calendars, legal contracts, expenses, and travel for leadership within People & Communities program.

ENVIRONMENT MINNESOTA

Program Intern

Minneapolis, MN
January 2018 – June 2018

- Researched policy initiatives for organizational legislative agenda.
- Assessed negative effects of toxic chemicals in agriculture/beauty products/food.
- Assisted in policy development, strategizing, and messaging to cultivate membership involvement.
- Conducted outreach to nonprofits/decision makers/public to build coalitions.

THE FUND FOR THE PUBLIC INTEREST

Field Manager, Campaign Director
2017 – June 2018

Minneapolis, MN
August

- Built, trained, and managed a team of advocates to lead grassroots citizen outreach projects and fundraise on environmental initiatives.
- Led fundraising strategies on behalf of Environment America and U.S. PIRG.
- Managed team budget, administered payroll, and ensured member confidentiality and security compliance.
- Organized staff data and assisted regional administrators with financial reconciliations, expense requisitions, and equipment inventory.

Education

University of California, Berkeley
M.S., Civil and Environmental Engineering

Berkeley, CA
May 2022

The College of William & Mary
B.A., Environmental Science and Policy, Hispanic Studies

Williamsburg, VA
May 2017