



Riti Bhandarkar

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC. *Consultant*

New York, NY

Ms. Bhandarkar supports E3's Integrated System Planning group. Prior to joining E3, Ms. Bhandarkar was a student researcher at the ZERO lab at Princeton University, where she modeled the emissions impact of electric vehicles. She also interned at the Environmental Defense Fund (EDF) as a Clean Energy Transition Analyst where she analyzed end-use cases for hydrogen. She holds a B.S.E. in Civil and Environmental Engineering from Princeton University.

ZERO LAB AT THE ANDLINGER CENTER FOR ENERGY AND THE ENVIRONMENT Princeton, NJ *Student Researcher* June 2021 – June 2023

- Researched the impact of electrification of transportation on power system planning and system emissions, advised by Dr. Jesse Jenkins
- Developed code for decomposition of electricity load profiles using Python and R for the data processing tool PowerGenome
- Modeled impact of EV adoption rates on 2030 CO2 emissions under different policy, cost, and demand flexibility scenarios using electricity capacity expansion modeling tool GenX

ENVIRONMENTAL DEFENSE FUND *Clean Energy Transition Analyst*

New York, NY
June 2022 – August 2022

- Compiled projections of global hydrogen investment dollars and capacity
- Analyzed clean hydrogen end-use case potential and risk for investors
- Presented findings to EDF teams; helped develop sections of the EDF Hydrogen Report

ROWLAND INSTITUTE AT HARVARD UNIVERSITY *Student Researcher*

Cambridge, MA
June 2020 – January 2021

- Studied the development of a mechanistic ecosystem model to analyze the impact of climate-mitigation and clean energy technologies at Harvard University
- Derived mathematical framework to describe biological responses to environmental change caused by mitigation and energy technologies
- Wrote an extensive review of existing models and suggested a framework for improved trophic modeling, presented findings at the Project MEER:Reflection symposium

Education

Princeton University
B.S.E., Civil and Environmental Engineering

Princeton, NJ
2023