# EDUCATION

## University of Michigan (Ann Arbor, MI) April 2025

Doctor of Philosophy, Environment and Sustainability & Urban and Regional Planning

## University of Michigan (Ann Arbor, MI) April 2022

Master of Science, Environment and Sustainability

Concentration: Sustainable Systems

## Cornell University (Ithaca, NY) May 2020

Bachelor of Science, Environmental and Sustainability Sciences

Magna Cum Laude

Distinction in Research

Minors: Climate Change, Urban and Regional Studies

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# EXPERIENCE

## Graduate Researcher, Advancing Sustainable Systems through low-impact Energy Technologies (ASSET) Lab

## August 2020 – Present

* Assessing the value of California behavior-dependent demand response programs to the grid using the effective load carrying capability metric
* Designing a regression-based model to quantify the impact of override behavior on residential thermostats enrolled in a summer cooling direct load control program

## Research Assistant, Cornell Institute for Climate Smart Solutions (Ithaca, NY)

## October 2018 - June 2020

* Researched and developed a curriculum for a 12-week, 40-hour Climate Stewardship Program
* Wrote and submitted grants to fund various projects relating to sustainability and agriculture
* Facilitated conferences and meetings that brought together various professionals and experts in applicable fields

## Podcast Host and Producer, Down to Earth: Cornell Conversations About

## August 2018 – April 2020

* Educated the general public, facilitated conversations, and communicated information about climate change and sustainability
* Conducted research, wrote scripts, recorded interviews with experts, edited episodes on GarageBand, and worked with teammates to produce weakly content

# RESEARCH PROJECTS

## DOE 2020 & 2021 Solar District Cup (Development Sub-team Leader): 3rd Place (2020)

## Fall 2019 – Spring 2021

* Collaborated with multidisciplinary team members to propose and analyze a distributed solar-plus-storage development plan for an office park in Crystal City, VA and the University of Central Florida
* Evaluated and demonstrate compliance with zoning ordinances, land-use ordinances, building codes, and the city’s “master plan”
* Worked with the System Design sub-team to assess suitable sites for and attractiveness of development

## Policy Brief: Federal Efforts to Update and Modernize the Electricity Grid

## January 2019 – May 2019

* Completed a comprehensive analysis of the federal government’s involvement in and responsibilities regarding the modernization of the grid
* Contacted and interviewed various groups and individuals including congressional staffers, experts from both the private sector and non-governmental organizations, and employees of the Department of Energy, the Federal Energy Regulatory Commission, and the National Institute of Standards and Technology

# GRANTS AND AWARDS

* National Science Foundation Graduate Research Fellowship – awarded March 2020

# PUBLICATIONS

* Wildstein, Pamela. 2020. “The Rise of the Distribution System Operator: Designing a Wholesale Electricity Market to Fully Integrate Distributed Energy Resource Aggregations,” Undergraduate Thesis, Cornell University.
* Chatrchyan, A.; Eiseman, D.; Wildstein, P. "Building Climate Resilience through Engaged Research with Farmers, Communities, and Youth," United Nations Framework Convention on Climate Change (UNFCCC) SB50 Research Dialogue, Bonn, Germany. June 20, 2019.

# PRESENTATIONS

* “Quantifying the Impact of Override Behavior on a Summer Demand Response Program,” March 25, 2023, American Association of Geographers 2023 General Meeting, Denver, Colorado
* “Quantifying the Impact of Override Behavior, October 25, 2022, United States Association for Energy Economics, Houston, Texas
* “Quantifying the Impact of Override Behavior on the Performance of a Summer Direct Load Control Program,” June 22, 2022, International Symposium on Sustainable Systems and Technology, Pittsburgh, Pennsylvania

# OP-EDS AND WHITE PAPERS

# Wildstein, Pamela. October 2021. “Our Evolving Grid and the Case for a #HotFERCSummer: A Brief Introduction to FERC,” Energy Club at Ross Op-Ed Series.