

MADELINE YOZWIAK

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Education

- PhD, Public Affairs. Indiana University, Bloomington. 2020-2026 (*expected*)
Major Field: Policy Analysis. Minor Field: Economics.
- B.S., Physics. Yale University, New Haven. 2010-2014
Thesis: “Jumping the Grid: Redesigning the Microgrid Distribution System.”

Publications

- Yozwiak, M., Barbose, G., Carley, S., Forrester, S., Konisky, D.M., Memmott, T., Montañés, C.C. & O’Shaughnessy, E.O. 2025. “Residential Solar’s Effect on Energy Insecurity among Low-to-Moderate Income Households.” *Nature Energy*. DOI: 10.1038/s41560-025-01730-y.
- Wing, C., Yozwiak, M., Hollingsworth, A., Freedman, S. & Simon, K. 2024. “Designing Difference in Difference Studies with Staggered Treatment Adoption: Key Concepts and Practical Guidelines.” *Annual Review of Public Health*, Volume 45: 485-505. DOI: 10.1146/annurev-publhealth-061022-050825.
- Yozwiak, M. 2023. “Calculating the actual return on investment earned by U.S. electric utilities.” *Utilities Policy*, Volume 85 (101684). DOI: 10.1016/j.jup.2023.101684.
- Yozwiak, M., Abell, A., Carley, S. 2021. “Energy Policy Reversal during the Trump Administration: Examination of Its Legacy and Implications for Federalism.” *Publius: The Journal of Federalism*, Volume 51 (3): 429–458. DOI: 10/1093/publius/pjab016.
- Gilliam, R., Yozwiak, M. 2018. “Time is money: Comparative impacts of volumetric and demand charges.” *The Electricity Journal*, Volume 31 (Issue 8): 28-37. DOI: 10/106/j.tej.2018.09.003.

Manuscripts Under Review

- Yozwiak, M. “Competitive markets and capital investment: Evidence from U.S. power plants.”

Works in Progress

- Montañés, C.C., Barbose, G., Carley, S., Forrester, S., Konisky, D.M., Memmott, T., O’Shaughnessy, E.O. & Yozwiak, M. “Drivers of low-income solar adoption across place, people and perceptions.”
- Yozwiak, M. “Grid hardening and the effectiveness of climate adaptation in the US electricity sector.”

Policy Papers

- Yozwiak, M., Carley, C. & Konisky, D. “Clean and Just: Electric Vehicle Innovation to Accelerate More Equitable Early Adoption.” *Information Technology Innovation Fund*, June 2022. [Link](#).
- Yozwiak, M. “The Impact of Shorter Netting.” *Public Utilities Fortnightly Magazine*, January 2018. [Link](#).
- Yozwiak, M., et. al. “How extending the ITC would affect US solar build.” *Bloomberg New Energy Finance*, September 2015. [Link](#).

Expert Testimony

- Montana Public Service Commission, Docket 2018.2.12. *Direct and Rebuttal Testimony and Exhibits on Behalf of Vote Solar and the Montana Renewable Energy Association*. February 2019.
- Kansas Corporation Commission, Docket 18-WSEE-328-RTS. *Direct and Rebuttal Testimony and Exhibits on Behalf of Sierra Club and Vote Solar*. June 2018.

Grants, Fellowships and Awards

- National Science Foundation Graduate Research Fellowship (\$142,000) 2022-25
- Visiting Student Fellow, Kleinman Center for Energy Policy, University of Pennsylvania 2024
- Summer Merit Fellowship, O’Neill School of Environmental and Public Affairs (\$2,000) 2022, 2024
- Honorable Mention, Link Foundation Energy Fellowship 2023

Indiana University Sustainability Research Development Grant (\$3,000)	2022
San Francisco Fellow, Clean Energy Leadership Institute	2018
Mentorship Award, Yale Women's Leadership Institute	2014
Connecticut Clean Energy Fund Grant (\$600)	2013
Sustainability Achievement Award, Yale Office of Sustainability	2012
Yale Office of Sustainability Grant (\$1,000)	2011
Yale Perspectives on Science and Engineering Summer Research Grant (\$4,500)	2011
National Merit Scholarship (\$2,500)	2010

Presentations

Conferences:

APPAM Annual Conference	2024
APPAM Annual Conference	2023
Association for Public Policy and Management (APPAM); O'Neill Annual PhD Student Conference	2022
American Political Science Association; O'Neill Annual PhD Student Conference	2021
Solar Power International; BNEF Summit; Environmental Markets Association Northeast	2015

Webinars and Seminars:

Wharton Environmental Brown Bag; OSWEET@AERE; IU Kelley BEPP Brown Bag;	2024
IU Kelley IESS Fall Workshop; IU Environmental Policy Workshop	
IU Environmental Policy Workshop; IU Health Policy Workshop	2023
Information Technology Innovation Fund Webinar	2022

Academic Experience

Research Assistantships:

- Dr. Sanya Carley and Dr. David Konisky, Indiana University 2021-23
- Dr. Sanya Carley; Dr. Aaron Deslatte, Indiana University 2020-21
- Dr. Minjoo Lee, Yale University 2011
- Dr. Fred Loxsom, Eastern Connecticut State University 2010

Teaching (PhD and Master's-level):

- Teaching Assistant, Effective Policy for the Energy Transition, University of Pennsylvania 2024
- Teaching Assistant, Math Camp for PhD Students, Indiana University 2023+
- Teaching Assistant, Statistics for Research in Public Affairs I&II, Indiana University 2022+

Service:

- Elected Member, Student Activities Committee, APPAM 2025-27
- Mentor, Undergraduate Honors Thesis Program, Indiana University 2021+
- Peer Mentor, LGBTQ+ Culture Center, Indiana University 2020-21

Professional Experience

Vote Solar, Expert Witness and Regulatory Research Manager 2017-19

- Testified as expert witness before public utility commissions on cases concerning solar energy
- Evaluated electric utility cost of service models, value of solar analyses, and rate design proposals
- Created original analysis to support Vote Solar's senior expert witnesses in 7 states

Sunrun, Pricing and Product Manager 2016-17

- Determined prices for Sunrun's leases in Arizona, California, Hawaii, and Nevada
- Led cross-company initiatives to adapt following policy changes in California and Hawaii
- Launched 2 new products (maintenance package and PACE-financing for prepaid leases)

Bloomberg New Energy Finance, Research Associate 2013; 2014-15

- Authored 24 research reports on renewable energy markets for Bloomberg subscribers
- Built models to forecast wholesale power generation, solar adoption, and REC prices

Other experience:

- Product manager, Solar Mosaic 2020
- Founded Yale organization ([Project Bright](#)) that trains students to install solar panels 2010-14
- Co-developed curriculum for “[Energy Studies](#)” program at Yale University 2010-11

Media Appearances

I have been interviewed or cited in connection with my research in various outlets, including *The Washington Post*, Bloomberg News, Utility Dive, CleanTechnica, Photovoltaics Magazine, WindPower Monthly, and TechNewsWorld. I also gave a [TEDx talk in 2013](#) on my work expanding solar energy on Yale’s campus.

Skills

Professional: R, Python

Personal: Dog walking (expert), cycling (intermediate), quilt making (novice)