

# YUTING YANG

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## EMPLOYMENT

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**Assistant Professor**, Department of Economics, University of New Mexico *August 2021 - Present*  
**Research Fellow**, Toulouse School of Economics *September 2020 - December 2020*  
**Visiting Scholar**, Bren School of Environmental Science & Management, University of California  
Santa Barbara *March 2019 - June 2019*

## EDUCATION

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**Toulouse School of Economics, France** *June 2020*  
Ph.D. in Economics  
Thesis: *Economic Studies on Energy Transition and Environmental Regulations*  
Advisors: Stefan Ambec, Nicolas Treich

**Toulouse School of Economics, France** *October 2015*  
M.A. in Economics (Theory and Econometrics)

**Vanderbilt University, United States** *June 2014*  
M.A. in Economic Development

**Zhejiang University, China** *June 2012*  
B.A. in International Economics & Trade

## PUBLICATIONS

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\**co-first author*, #*corresponding author*

1. Xiao, S., **Yang, Y.**\*#, Li, Y., Lin, J., & Jin, Y. (2025) Decarbonizing the non-carbon: Benefit-cost analysis of phasing out the most potent GHG in interconnected power grids. *Environmental Science & Technology*, 59(9).
2. Xu, J., **Yang, Y.**, Jin, H., Zheng, Y., & Qiao, S. (2025) Bridging gaps between lab and fab-oriented anode design for proton exchange membrane water electrolyzers. *Chem*, 11(1).
3. Ambec S. & **Yang Y.**\* (2024). Climate policy with electricity trade. *Resource and Energy Economics*, 76, 101422.
4. **Yang Y.** (2022). Electricity interconnection with intermittent renewables. *Journal of Environmental Economics and Management*, 113, 102653.
5. Treich N. & **Yang Y.**\* (2021). Public safety under imperfect taxation. *Journal of Environmental Economics and Management*, 106, 102421.

## WORKING PAPERS

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\**co-first author*, #*corresponding author*

Wang, R., **Yang, Y.**\*, Guo, J., Zhang, Q., Wan, Y., Cao, F., Han, L., & Ling, T., High-performance impure water proton-exchange-membrane electrolyzers. *Nature Energy*. *Accepted*.

**Yang, Y.**, Disentangle the distributional inequity of solar tax credits. *Under Review at Energy Economics*.

Vick, E., **Yang, Y.**,<sup>#</sup> & Chermak, J., From peak to base load: understanding residential electricity consumption in the context of energy transition. *Under Review at Energy Economics*.

**Yang, Y.**,<sup>#</sup> Vick, E., Kaczmarek, J., & Chermak, J., Distributed energy resilience: Evaluating the economic impact of community microgrid implementation. *Under Review at Applied Energy*.

## OTHER SCHOLARLY WORKS

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**Yang, Y.**, & Zhao, J. (2024). Equity in solar PV adoption in New Mexico. *White Paper, UNM Department of Economics, prepared for the State of New Mexico*.

Ambec, S., & **Yang, Y.** (2023). Can supergrids save the planet? *TSE Reflect*.

**Yang, Y.** (2022). Challenges and opportunities of electricity interconnection with renewables. *EAERE Magazine*.

## RESEARCH FUNDING

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1. Pathway to Zero Natural Gas: Understanding the Transition from Natural Gas to Electric Appliances in LADPU Households (PI)  
Los Alamos Department of Public Utilities, New Mexico Research and Public Service Projects 01/2025 – 06/2026, \$70,000
2. Four Corners Carbon Storage Hub: Carbon SAFE Phase III Project Subaward (Lead PI)  
U.S. Department of Energy, 10/01/2024-09/30/2027, \$407,482
3. CUSP: Four Corners Regional Initiative Subaward (Co-PI)  
U.S. Department of Energy, 10/01/2024-09/30/2026, \$230,000
4. The Impact of Market Structure and Utility Incentives on Solar PV Adoption in New Mexico (PI)  
New Mexico Research and Public Service Projects, 08/15/2024 – 06/30/2025, \$20,000
5. Equity in New Mexico Residential Solar Photovoltaic Adoption (PI)  
New Mexico Research and Public Service Projects, 05/01/2023 – 06/30/2024, \$48,404
6. The New Mexico SMART Grid Center: Sustainable Modular Adaptive Resilient and Transactive (Senior Personnel)  
U.S. National Science Foundation EPSCoR RII Track-1, 09/15/2018 – 08/31/2023, \$125,000

## CONFERENCE AND WORKSHOP PRESENTATIONS

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2025: AERE Summer Conference (scheduled)

2024: New Mexico Consortium for Energy Sustainability and Advanced Management Workshop, SEA Washington DC, USAEE Baton Rouge, CU ERE Workshop Vail

2023: USAEE Chicago, University of Tennessee Knoxville, Min H. Kao Department of Electrical Engineering and Computer Science

2022: Nanjing University School of Environment

2021: SEA virtual, Xiamen University School of Economics, EAERE virtual, IAEE virtual, AERE virtual

2020: SEA virtual, SURED virtual, TSE-EDF Energy Workshop

2019: SBCA European Conference Toulouse, EAAERE Beijing, EAERE Manchester, FAERE Winter Thematic Workshop Paris

2018: WCERE Gothenburg, SBCA Washington DC

2017: FAERE Thematic Workshop Paris, FAERE Nancy

## TEACHING

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ECON 300 Intermediate Microeconomics (2024 Fall, 2024 Spring, 2023 Fall, 2021 Fall)

ECON 342 Environmental Economics (2024 Spring, 2021 Fall)

ECON 402/502 Applied Economic Theory and Analysis (2025 Spring)

ECON 501 Microeconomic Theory (2024 Fall, 2023 Fall, 2022 Fall)

ECON 542 Topic in Environmental and Energy Economics (2022 Spring)

## AWARDS AND HONORS

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European Association of Environmental and Resource Economists (EAERE) Award for Best Doctoral Dissertation in Environmental and Resource Economics 2021

## PROFESSIONAL ACTIVITIES

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Editorial board: *Applied Energy* (Young editorial board member)

Referee for: *Nature Climate Change*, *Journal of Environmental Economics and Management*, *Resource and Energy Economics*, *International Tax and Public Finance*, *Energy Economics*, *Economic Theory*, *Mathematical Social Sciences*

Conference paper review: USAEE/IAEE 2023, APPAM 2022, AERE@SEA 2022, AERE 2025, AERE@SEA 2025

Conference session organization: SEA 2023, USAEE Young Professional Best Paper Award Competition 2023, 2024

Conference organization committee: AERE Summer Conference 2025

Professional workshops: CSWEP CeMENT mentoring workshop for junior faculty 2024, New Energy Summer Summit 2025 at Dartmouth

## UNM DEPARTMENTAL SERVICES

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Seminar Committee (chair 2023-2025, member 2020-2022)

Core Exam Committee (member 2023-2025)

Graduate Committee (member 2021-2023)

Personnel Committee (member 2022-2023)

Interview Committee (member Summer 2022)

Faculty advisor for the Economic Graduate Student Organization (2023-2025)