

# Christopher Malloy

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**Fields of Interest:** Energy Economics, Environmental Economics, Public Economics, Law and Economics

## Academic Appointments

### Assistant Professor of Economics

University of Oklahoma

Norman, OK

Fall 2023

### Affiliated Faculty

OU Institute for Public Policy Research and Analysis

Fall 2023

UC Santa Barbara Environmental Markets Lab

Spring 2024

OU Institute for Community and Society Transformation

Spring 2024

## Education

### Ph.D., Economics

University of California, Santa Barbara

Santa Barbara, CA

June 2023

*Dissertation Committee:* Olivier Deschênes (chair), Peter Kuhn, and Alisa Tazhitdinova.

### M.A., Economics

University of California, Santa Barbara

Santa Barbara, CA

June 2018

### M.A., Economics

University of Colorado-Denver

Denver, CO

June 2017

### B.S., Economics

University of St. Thomas

St. Paul, MN

June 2015

*Honors:* Summa Cum Laude, Aquinas Scholar

## Publications

- [1] Millin, Oliver T., **Malloy, Christopher**, and Jason Furtado The Impact of North American Winter Weather Regimes on Electricity Load in the Central United States. *npj Climate and Atmospheric Science* 254, (2024).
- [2] Deschênes, Olivier, **Malloy, Christopher**, and McDonald, Gavin. Causal Effects of Renewable Portfolio Standards on Renewable Investments and Generation: The Role of Heterogeneity and Dynamics. *Resource and Energy Economics* 75, (2023).
- [3] Deshmukh, R., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., **Malloy, C.**, Mangin, T., Meng, M., Sum, S., Thivierge, V., Uppal, A. & Meng, K. Well setbacks limit California's oil supply with larger health benefits and employment losses than excise and carbon taxes. *Nature Energy* 8, 562–564 (2023).
- [4] Deshmukh, R., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., **Malloy, C.**, Mangin, T., Meng, M., Sum, S., Thivierge, V., Uppal, A. & Meng, K. Equitable low-carbon transition pathways for California's oil extraction. *Nature Energy* 8, 597–609 (2023).

## Working Papers (\* indicates graduate students)

- [1] **The Precautionary Consequences of Wildfire Liability: Evidence from Power Shutoffs in California**, accepted for publication at *Journal of Public Economics*.
- [2] **Health, labor, and equity in the low carbon transition of California's petroleum refineries** (with Meng, M., Hernandez-Cortes, D., Mangin, T., Thivierge, V., Deshmukh, R., Weber, P., Deschenes, O., Lea, D. W. & Meng, K. C.), Revisions requested at *Nature Communications*.
- [3] **Market Dispatch and Emissions in US Electricity Markets: Spatial Reallocation and Operational Efficiency** (with Sara Asgari Gouraj\* and Qihong Liu).

## Policy Work

Enhancing Equity While Eliminating Emissions in California’s Supply of Transportation Fuels

(PIs: Olivier Deschênes, Ranjit Deshmukh, David Lea, Kyle Meng, and Paige Weber).

Invited Presentations

2025	NAREA Summer Conference. AERE Summer Conference.
2024	University of Alaska Anchorage. AERE Summer Conference.
2023	The Workshop in Environmental Economics and Data Science. U.S. Treasury Office of Tax Analysis. University of Oklahoma. Georgia Institute of Technology, School of Public Policy. Colgate University U.S. EPA National Center for Environmental Economics. U.S. Federal Trade Commission. U.S. Federal Communications Commission. U.S. Federal Housing Finance Agency.
2022	Western Economic Association International Annual Conference, Graduate Student Workshop. Association of Environmental and Resource Economists Summer Conference. Camp Resources XXVII. Southern California Graduate Conference in Applied Economics. UCSB Consortium for Applied Research in Economics Seminar.

Grants

As Principal Investigator or Co-Principal Investigator:

Kyprioti, Aikaterini; McCarthy, Heather; Fox, Andrew S.; Diochnos, Dimitrios; **Malloy, Christopher**; King, Farina; Kosmopoulou, Georgia; Burge, Gregory (2025). *SCC-IRG: TREE-CARE: Treefall Risk Evaluation and Empowerment for Community Assessment and Resilience Enhancement*. Sponsors: NSF. Award: \$1,199,990.

**Malloy, Christopher**, and Thivierge, Vincent (2024). *The Energy Transition and Public Finances in Oil Refining Communities*. Sponsor: Resilient Energy Economies. Award: \$90,000.

Kyprioti, Aikaterini, Diochnos, Dimitrios, **Malloy, Christopher**, Kosmopoulou, Georgia; McCarthy, Heather, and Ripberger, Joe (2024). *Community Informed AI-based Treefall Vulnerability Assessment within the Built Environment under Extreme Weather Events*. Sponsors: OU Institute for Community and Society Transformation, Data Institute for Societal Challenges. Award: \$31,000.

**Malloy, Christopher**. Graduate Stipend Gap Funding. Sponsor: OU Vice President for Research and Partnerships. Award: \$6,922.47.

As sub-awardee:

**Malloy, Christopher**. *Socially Sustainable Solutions for Water, Carbon, and Infrastructure Resilience in Oklahoma* (2023). Prime recipient: Oklahoma EPSCoR, Institute for Public Policy Research and Analysis. Sponsor: NSF. Award: \$100,000.

Referee Experience

**Journals:** Journal of Environmental Economics and Management, Journal of the Association of Environmental and Resource Economists, Economic Inquiry, Resource and Energy Economics, International Journal of Industrial Organization, International Journal of the Economics of Business, Utilities Policy

Teaching Experience

## University of Oklahoma

Instructor

*Economics Department*

2023–Present

Graduate Seminar in Energy Economics. Undergraduate Intermediate Microeconomic Theory. Energy and the Economy (Senior-level elective). Energy in Society: A Systems Perspective on Energy Transitions (Interdisciplinary, co-led with other social science faculty at OU).

## University of California, Santa Barbara

Teaching Associate (Instructor of Record)

*Economics Department*

Fall 2019–Winter 2020

Undergraduate Financial Management. *\*Average rating 2 (1=highest, 5=lowest, Department average=2.5)*

## University of California, Santa Barbara

Teaching Assistant

*Economics Department*

Fall 2017–Present

Undergraduate Introductory Econometrics (2 quarters) Upper Level Econometrics (1 quarter), Financial Management (2 quarters), Intermediate Microeconomics (2 quarters), Introductory Macroeconomics (2 quarters). *\*Average rating 1.4 (1=highest, 5=lowest, Department average=2)*

## Service

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### Undergraduate Honors Thesis Advisor

Student: Anna Hyslop. Economics Department. University of Oklahoma.

2023–2024

### Co-Leader of OU Applied Economics Brownbag

Economics Department. University of Oklahoma.

2023–2024

### PhD Committee Member

Student: Sara Asgari. Economics Department. University of Oklahoma.

2024

### Co-Chair, Graduate Student Mentorship Program

Economics Department. University of California, Santa Barbara.

2019–2021

## Awards and Honors

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2022	<b>Fellowship:</b> Job Market Fellowship. Economics Department, UC Santa Barbara.
2021	<b>Award:</b> UCSB Economics Department Prize for Scholarship, Teaching, Contributions to the Department.
2019	<b>Fellowship:</b> Graduate Research Fellowship, UC Santa Barbara