

Paige E. Weber

University of California, Berkeley
Energy and Resources Group
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Academic Appointments

- 7/2023 Assistant Professor
Energy and Resources Group
University of California, Berkeley
- 7/2020-2023 Assistant Professor
Department of Economics
Environment, Ecology, and Energy Program, Adjunct Appointment
University of North Carolina at Chapel Hill
- 10/2020-2023 Research Affiliate, Environmental Market Solutions Lab
11/2019-2023 Research Affiliate, Center for Economic Studies Institute (CESifo)
7/2019-2020 Postdoctoral Researcher, Environmental Market Solutions Lab
University of California, Santa Barbara

Education

- Ph.D., Environmental Economics, Yale University (2019)
Dissertation: Three Essays in Environmental Economics
M.Phil., Environmental Economics, Yale University (2017)
M.E.Sc., Environmental Economics, Yale University (2014)
B.A., Political Economy of Industrialized Societies; Music, University of California, Berkeley (2009)

Published Papers

[Recent Findings and Methodologies in Economics Research in Environmental Justice](#)
Lucas Cain, Danae Hernandez-Cortes, Chris Timmins, and Paige Weber
Provisionally accepted at the Review of Environmental Economics & Policy, 2024

[Can Bitcoin Mining Increase Renewable Electricity Capacity?](#)
August Bruno, Andrew J. Yates, and Paige Weber
Resource and Energy Economics, 2023

[Well setbacks limit California's oil supply with larger health benefits and employment losses than excise and carbon taxes](#)
Ranjit Deshmukh, Paige Weber, Deschenes, Lea, Hernandez-Cortes, Tia Kordell, Ruiwen Lee, Chris Malloy, Tracey Mangin, Measrainsey Meng, Sandy Sum, Vincent Thivierge, Anagha Uppal, and Kyle C. Meng
Nature Energy, 2023

[Equitable low-carbon transition pathways for California's oil extraction](#)

Ranjit Deshmukh, Paige Weber, Olivier Deschenes, David Lea, Danae Hernandez-Cortes, Tia Kordell, Ruiwen Lee, Chris Malloy, Tracey Mangin, Meas Meng, Sandy Sum, Vincent Thivierge, Anagha Uppal, and Kyle C. Meng
Nature Energy, 2023

U.S. West Coast Droughts and Heat Waves Exacerbate Pollution Inequality and Can Undermine Emission Control Policies
Amir Zeighami, Jordan Kern, Andrew J. Yates, August Bruno, and Paige Weber
Nature Communications 14.1: 1415, 2023

Decomposing Trends in U.S. Air Pollution Disparities from Electricity
Danae Hernandez-Cortes, Kyle C. Meng, and Paige Weber
Environmental and Energy Policy and the Economy 4, 2023

Making Clean Firms Cleaner: Targeting Environmental Regulation to Maximize Returns
Paige Weber
AEA Papers and Proceedings 111:1-4, 2022

Long-term Trends in Wildfire Damages in California.
Hanna Buechi, Paige Weber, Sarah Heard, Dick Cameron, and Andrew J. Plantinga.
International Journal of Wildland Fire 30(10):757-762, 2021

Working Papers

Intermittency or Uncertainty? Impacts of Renewable Energy in Electricity Markets (USAEE Young Professional Best Research Paper Award)
Paige Weber and Matt Woerman

Equity Impacts of a Market for Clean Air
Olivier Deschenes and Paige Weber

Dynamic Responses to Carbon Pricing in the Electricity Sector (Distinguished CESifo Affiliate Prize)
Paige Weber

Other Work

"Enhancing Equity while Eliminating Emissions in California's Supply of Transportation Fuels." Olivier Deschenes, Ranjit Deshmukh, David Lea, Kyle Meng, Paige Weber et al., CalEPA report, 2021.

Fellowships, Awards, and Activities

United States Association for Energy Economics Young Professional Best Paper Award, 2022
Center for Economic Studies Institute (CESifo) Distinguished Research Affiliate Prize, 2019
National Bureau of Economic Research Pre-Doctoral Fellow in Energy Economics, 2017 – 2019
Environmental Economics Prospectus Series, Founder and Organizer, 2015 – 2018
Summer School on Structural Dynamic Models, Department of Economics, University of Copenhagen, Attendee, May – June 2018

ECON (Economic Considerations of Nature) Student Interest Group, Co-Founder and President, 2017 – 2018

Richard A. Clarke Annual Environmental Leadership Award, Finalist, 2011

Edward Kraft Scholarship, 2006

Research Grants

California Carbon Neutrality Study, Co-Principal Investigator, 2020

Yale Institute for Biospheric Studies Research Fellowship, 2015

Switzer Fellow, 2013

Carpenter Sperry Research Fund Award, 2013

Sobotka Research Grant Recipient for Student/Faculty Collaborative Research in Business and the Environment, 2013

Teaching

Environmental Economic Theory, UNC at Chapel Hill

Energy Economics, Spring 2021, UNC at Chapel Hill

Research and Work Experience

Staff Economist, The White House Council of Economic Advisers, 2016

Research Assistant to Professor Kenneth Gillingham, Yale University, 2012 – 2016

Data Services Intern, Metropolitan Area Planning Council, Boston, 2014

Sustainable Transportation Research Consultant, World Resources Institute EMBARQ, 2013

Research Assistant, Resources for the Future, 2012

Commercial Strategy Senior Analyst, Greenhouse Gas Implementation Analysis, Rotational Analyst in Energy Procurement, Pacific Gas & Electric (PG&E) Company, 2009 – 2012

Conference Presentations and Invited Talks

2023: AEA/ASSA Annual Meeting, AERE Session, New Orleans, LA, January 2023.

2022: Southern Economic Association Annual Meeting, Ft. Lauderdale, FL, November 2022; TREE Seminar, March 2022; Berkeley POWER Conference, March 2022; Texas A&M Bitcoin Conference, April 2022; NBER Conference on Environmental and Energy Policy and the Economy, May 2022; AERE Annual Meeting, June 2022.

2021: AEA/ASSA Annual Meeting, Econometric Society Session, January 2021; AEA/ASSA Annual Meeting, Paper and Proceedings Session, January 2021; Columbia University, Sustainable Development Seminar, February 2021; Triangle Applied Microeconomics Conference, May 2021; AERE Annual Meeting, June 2021; Energy Economics and Finance seminar at Wharton/Penn, November 2021; Virtual Seminar on Climate Economics Federal Reserve Bank of San Francisco, December 2021.

2020: Berkeley Climate Economics Workshop, January 2020; Harvard-Berkeley-Yale Virtual Seminar on the Economics of Climate Change and Energy Transition, May 2020; Bren Seminar at the University of California, Santa Barbara, May 2020. Southern Economic Association Annual Meeting (virtual), November 2020.

2019: Center for Economic Studies (CES) IFO Institute Area Conference on Energy and Climate

Economics, Munich, Germany, October 2019; Meeting of the Urban Economics Association, Philadelphia, PA, October 2019; Occasional Workshop at the University of Southern California Santa Barbara, Santa Barbara, CA, November 2019; Southern Economic Association Annual Meeting, Fort Lauderdale, FL, November 2019.

2018: Occasional Workshop in Environmental and Resource Economics, November 2018; East Carolina University, Early Career Contributions in Coastal and Climate Science Seminar Series, October 2018; Heartland Environmental and Resource Economics Workshop at Illinois, September 2018; Fordham University, Economics Seminar, September 2018; World Congress of Environmental and Resource Economists, Gothenburg, Sweden, June 2018; International Workshop on Empirical Methods in Energy Economics, Milan, Italy, June 2018.

2017: Camp Resources, Center for Environmental and Resource Economic Policy, Wrightsville Beach, NC, August 2017; Northeast Workshop on Energy Policy and Environmental Economics, Dartmouth, NH, June 2017; Association of Environmental and Resource Economists Summer Conference, Pittsburgh, PA, June 2017.

Referee Service

American Economic Review, American Economics Journal: Microeconomics, The Review of Economics and Statistics, RAND Journal of Economics, Journal of Public Economics, International Journal of Industrial Organization, Journal of the Association of Environmental and Resources Economists, The Energy Journal

Professional Service

Graduate Student Placement Committee (2021-2022), Department Chair's Faculty Advisory Board (2021-2022)

Advisees

Lucas Cain, UNC Undergraduate Class of 2022, Honors Economics Thesis
Matthew Berry, UNC Undergraduate Class of 2023, Honors Economics Thesis