
Paige E. Weber

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 Energy and Resources Group
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Academic Appointments

7/2023 Assistant Professor, Energy and Resources Group
 Faculty Affiliate, Energy Institute at Haas
 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--present Research Affiliate, Environmental Market Solutions Lab

11/2019--present Research Affiliate, Center for Economic Studies Institute

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

Intermittency or Uncertainty? Impacts of Renewable Energy in Electricity Markets (USAEE
 Young Professional Best Research Paper Award)
 Paige Weber and Matt Woerman
 Journal of the Association of Agricultural and Resource Economists, accepted

Recent Findings and Methodologies in Economics Research in Environmental Justice
 Lucas Cain, Danae Hernandez-Cortes, Chris Timmins, and Paige Weber
 Review of Environmental Economics & Policy, 18.1 (2024): 116-142.

Can Bitcoin Mining Increase Renewable Electricity Capacity?
 August Bruno, Andrew J. Yates, and Paige Weber
 Resource and Energy Economics, 74 (2023): 101376

Well setbacks limit California's oil supply with larger health benefits and employment losses than
excise and carbon taxes
 Ranjit Deshmukh, Paige Weber, Olivier 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, 8.6 (2023): 562-564

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, 8.6 (2023): 597-609

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 (2023): 1415

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 4.1 (2023): 91-124.

Making Clean Firms Cleaner: Targeting Environmental Regulation to Maximize Returns

Paige Weber
 AEA Papers and Proceedings 111 (2021): 436-439

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 (2021): 757-762

Working PapersDoes Regulation Distort Exit Decisions? Evidence from U.S. Power Plants

with Lucas Davis

Health, labor, and equity in the low carbon transition of California's petroleum refineries

Measrainsey Meng, Danae, Hernandez-Cortes, Christopher Malloy, Tracey Mangin, Vincent Thivierge, Paige Weber, Kyle Meng, David W. Lea, Olivier Deschenes and Ranjit Deshmukh (R&R Nature Communications)

Direct and indirect wildland fire exposures and impacts in California's wildland-urban interface

Miriam E. Marlier, Rachel Connolly, Claire Schollaert, Jihoon Jung, Eimy Bonilla, Daja Elum, Kane Samuel, Volker C. Radeloff, Paige Weber, Megan E. Cattau, and Joseph L. Wilkins (R&R International Journal of Wildland Fire)

Benefits, Costs, and Distributional Outcomes in an Environmental Market

with Olivier Deschenes

Do Environmental Justice Policies Narrow Inequality

with Danae Hernandez-Cortes, Kyle Meng, Chris Timmins

Work in Progress

The Role of News Media in Housing Market Capitalization of Coal Ash Spills
with Jaeyong Han, Chris Timmins, Ben Weintraut

Power Outages and Mortality in the United States
with Michelle Marcus
(Approved for CDC NCHS RDC Data)

Market Power and Externalities with Free Goods
with Andy Yates

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.

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

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

Research Grants

California Carbon Neutrality Study, Co-Principal Investigator, 2020
Yale Institute for Biospheric Studies Research Fellowship, 2015
Switzer Fellow, 2013

Teaching

Environmental Justice & Economics, UC Berkeley
Methods for Interdisciplinary Analysis, UC Berkeley
Environmental Economic Theory, UNC-Chapel Hill
Energy Economics, UNC-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

- 2025:** National Bureau of Economic Research Spring Program Meeting, March 2025; University of Wisconsin-Madison Department of Agricultural and Applied Economics Seminar, April 2025; Pomona College Rundel Scholars Lecture, September 2025; San Francisco Federal Reserve, Brown Bag Speaker Series, September 2025; Energy Group Seminar at the University of California, Davis; November 2025.
- 2024:** UC Berkeley Energy and Resources Group Seminar, March 2024; Queen's University Economics Department Seminar, April 2024; Cornell SC Johnson College of Business Seminar in Sustainable Environment, Energy, and Resource Economics, April 2024; Organisation for Economic Co-operation and Development Conference in Environmental Justice, May 2024; Paris School of Economics Seminar, May 2024; Paris School of Economics Workshop on Environment, Infrastructure and Cities, June 2024; Ghent University Economics Department Seminar, June 2024; Occasional Workshop in Environmental and Resource Economics, University of California, Santa Barbara, October 2024;
- 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, Economic Journal, The Energy Journal, International Journal of Industrial Organization, Journal of the Association of Environmental and Resources Economists, Journal of Environmental Economics and Management, Journal of Public Economics, Nature Cities, Proceedings of the National Academy of Sciences, RAND Journal of Economics, The Review of Economics and Statistics, The Review of Economic Studies

Professional Service

Undergraduate Minor Coordinator, Energy & Resources Group, 2025
 Equity Advisor, Energy & Resources Group, 2025
 Admission Committee, Energy & Resources Group, 2024, 2025
 Graduate Student Placement Committee, 2021--2022
 Department Chair's Faculty Advisory Board, 2021--2022

Advisees

Lucas Cain, UNC-Chapel Hill, Undergraduate, Honors Economics Thesis, 2022
 Matthew Berry, UNC-Chapel Hill, Undergraduate, Honors Economics Thesis, 2023
 Stephen Stack, UC Berkeley, Masters, Energy & Resources Group, 2024
 Meagan Marie LeBerth, UC Berkeley, Masters, Energy & Resources Group, 2025
 Imani Holmer, UC Berkeley, Undergraduate, Honors Thesis, 2025