

Paige E. Weber

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Department of Economics
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Academic Appointments

7/2020 Assistant Professor
Department of Economics
Environment, Ecology, and Energy Program, Adjunct Appointment
University of North Carolina at Chapel Hill

10/2020-2022 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

[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, 2022

[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

[Recent Findings and Methodologies in Economics Research in Environmental Justice](#)

Lucas Cain, Danae Hernandez-Cortes, Chris Timmins, and Paige Weber
In review, April 2022

[Intermittency or Uncertainty? Impacts of Renewable Energy in Electricity Markets](#)

Paige Weber and Matt Woerman
In review, September 2022

Equitable Low-carbon Transition Pathways for California's Oil Extraction

Ranjit Deshmukh, Kyle Meng, Olivier Deschenes, David Lea, and Danae Hernandez-Cortes
In review, March 2022

Can Bitcoin Mining Increase Renewable Electricity Capacity?

August Bruno, Andrew J. Yates, and Paige Weber
In review, September 2022

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
In review, May 2022.

Dynamic Responses to Carbon Pricing in the Electricity Sector

Paige Weber
Working paper, December 2021

Do Building Audits Save Energy? Evidence from a Natural Experiment

Kenneth Gillingham and Paige Weber
Working paper, November 2019.

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

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, Spring 2021, 2022, UNC Chapel Hill
Energy Economics, Spring 2021, 2022, 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

- 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

The Energy Journal, American Economics Journal: Microeconomics, Journal of the Association of Environmental and Resources Economists, The Review of Economics and Statistics, RAND Journal of Economics

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