

Stephanie M. Weber

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ACADEMIC APPOINTMENTS

UNIVERSITY OF COLORADO, BOULDER, Assistant Professor 2023 -
Department of Economics

YALE SCHOOL OF THE ENVIRONMENT, Postdoctoral Associate 2021-2023

EDUCATION

YALE UNIVERSITY 2015 - 2021
Ph.D. in Environmental Economics (Yale School of the Environment)
Fields of concentration: environmental and energy economics, industrial organization

STANFORD UNIVERSITY 2008 - 2012
B.S. in Earth Systems (with distinction)

WORKING PAPERS AND WORKS IN PROGRESS

“Undervaluation of Future Fuel Savings and Efficiency Standards for Heavy-Duty Trucks”

“Effects of Zero-Emissions Vehicle Mandates on Automaker Strategies and Sales” (with Kenneth Gillingham and Arthur van Benthem)

“Optimal Allocation of Electric Vehicle Subsidies: Consumer or Dealer (or Both)” (with Thao Duong)

“Anticipation Effects in Vehicle Markets: Evidence from Swedish Feebate Systems” (with Jinjing Chen and Sebastian Tebbe)

PUBLISHED PAPERS

Carbon Policy and the Emissions Implications of Electric Vehicles (with Kenneth Gillingham and Marten Ovaere), *Journal of the Association of Environmental & Resource Economists*, 112(2), 2025.

Has Consumer Acceptance of Electric Vehicles Been Increasing? Evidence from Microdata on Every New Vehicle Sale in the United States (with Kenneth Gillingham, Arthur van Benthem, Mohamed Ali Saafi and Xin He). *AEA Papers and Proceedings*, 113: 329-335, 2023.

Pricing Indirect Emissions Accelerates Low-Carbon Transition of US Light Vehicle Sector (with Paul Wolfram, Kenneth Gillingham, and Edgar Hertwich). *Nature Communications*, 12: 7121, 2021.

BOOK CHAPTERS

Fuel Economy Standards: Impacts on Safety (with Kenneth Gillingham), In: International Encyclopedia of Transportation, Vickerman, R., R. Noland, D. Ettema (eds), Elsevier, 2021.

Potential and Critical Issues of Electric Vehicles Development (with Kenneth Gillingham), In: The Global Quest for Sustainability: The Role of Green Infrastructure in a Post-Pandemic World, Secchi, C. and A. Gili, ISPI, 2021.

HONORS AND AWARDS

Dennis J. O'Brien USAEE/IAEE Best Student Paper Award, 2021
 Oswald Schmitz Award for Excellence in Research Communication, 2019
 NBER Pre-Doctoral Fellowship Program on Energy Economics, 2019-2021
 Yale Institute for Biospheric Studies Research Fellowship, 2018
 School of Earth Sciences Dean's Award for Undergraduate Academic Excellence, 2012
 Phi Beta Kappa member, 2011
 President's Award for Academic Excellence, 2009

CONFERENCE PRESENTATIONS AND INVITED TALKS

2025: RFF Webinar (discussant); NBER Data Infrastructure for the Decarbonization of Transportation; The Workshop in Environmental Economics and Data Science (TWEEDS); International Industrial Organization Conference (IIOC); Front Range Energy Economics Workshop; Association of Environment and Resource Economists (AERE); Camp Resources; University of New Mexico
 2024: ASSA Annual Meeting; Colorado State University, Agricultural and Resource Economics Dept.; Resources for the Future; CU Boulder Political Science Department; Front Range Energy Economics Workshop
 2023: Empirical Methods in Energy Economics Workshop (Yale); Georgia Tech; University College Dublin, Arizona State; UCLA Anderson School of Management; Harvey Mudd College; US Census Bureau; Barnard College; Colorado College; University of Virginia Batten School; US EPA, National Center for Environmental Economics; Tulane University; Wesleyan University; Temple University; Indiana University Kelley School of Business; University of Connecticut; University of Colorado, Boulder; Front Range Energy Economics Workshop; CU Environmental and Resource Economics Workshop; HEC Montreal; National Tax Association Annual Conference (discussant)
 2022: Empirical Methods in Energy Economics Virtual Summer Workshop; University of Colorado Environmental and Resource Economics Workshop; London School of Economics Environment Week; US Association for Energy Economists North American Conference; São Paulo School of Economics - Fundação Getulio Vargas
 2021: US Association for Energy Economics Virtual Poster Session; Association of Environmental and Resource Economists Virtual Summer Conference; Online Summer Workshop in Environment, Energy, and Transportation (Economics); Northeast Workshop on Energy Policy & Environmental Economics; Conference on Carbon Pricing, Boston University Pardee School of Global Studies; US Association for Energy Economists Student Paper Competition
 2020: Association of Environmental and Resource Economists Virtual Summer Conference

TEACHING

Fall 2024: Environmental Economics (ECON 3545 and 4545) and graduate Environmental Economics II (ECON 8545), University of Colorado, Boulder
 Spring 2024: Environmental Economics (ECON 3545 and 4545), University of Colorado, Boulder
 Fall 2021: Microeconomic Foundations for Environmental Managers, Lecturer, Yale
 Summer 2018-2021: Poorvu Center for Teaching and Learning, Graduate Writing Consultant, Yale
 Spring 2019: Economics of Natural Resources, Teaching Fellow, Yale
 Fall 2018, 2019: Energy Economics and Policy Analysis, Teaching Fellow, Yale
 Fall 2017: Applied Math for Environmental Studies, Teaching Fellow, Yale
 Winter 2012: World Food Economy, Teaching Assistant, Stanford

REFeree SERVICE

American Economic Review, American Economic Journal: Economic Policy, Climatic Change, Energy Economics, Economic Journal, Energy Journal, Joule, Journal of Public Economics, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Management Science, Nature Energy, Resource and Energy Economics

Last updated: December 23, 2025