

# Stephanie Weber

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## Education

Yale University, Ph.D., Environmental Economics, 2021  
Stanford University, B.S., Earth Systems, 2012 (with distinction)

## Research Interests

Environmental and Energy Economics, Industrial Organization, Public Economics, Transportation Economics, Electricity Markets

## Research

### *Dissertation Chapters*

"Estimating the Costs and Benefits of Fuel Efficiency Standards in Heavy-Duty Trucks" (job market paper)  
Analyzing the implications of recent federal fuel efficiency policy on heavy-duty truck manufacturing, purchases, and emissions from driving

"Turning Over a New Leaf: The Impact of Electric Vehicle Subsidies" (with Kenneth Gillingham)  
Quantifying the effects of a corporate incentive campaign on electric vehicle uptake

"Carbon Policy and the Emissions Implications of Electric Vehicles" (with Kenneth Gillingham and Marten Ovaere), Revisions requested at the *Journal of the Association of Environmental & Resource Economists*.  
Analyzing the interactions between carbon pricing and electric vehicle policies on national and sub-national emissions

### *Book Chapters*

Gillingham, K. and **S. Weber** (2021) Fuel Economy Standards: Impacts on Safety, In: International Encyclopedia of Transportation, Vickerman, R., R. Noland, D. Ettema (eds), Elsevier.

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

### *Non-Economics Publications*

Wolfram, P., **S. Weber**, K. Gillingham, E. Hertwich (2021). Pricing Indirect Emissions Accelerates Low-Carbon Transition of US Light Vehicle Sector. *Nature Communications*, 12: 7121.

Levine, I., **S. Weber**, Y. Feldman, T. Bendikov, H. Cohen, D. Cahen, and A. Vilan (2012) Molecular Length, Monolayer Density, and Charge Transport: Lessons from Al-AlO<sub>x</sub>/Alkyl-Phosphonate/Hg Junctions. *Langmuir*, 28(1): 404-415.

## Teaching

### Yale University

Lecturer, Microeconomic Foundations for Environmental Managers (Fall 2021)

Graduate Writing Consultant (Summer 2018-Summer 2021)

Teaching Fellow, Economics of Natural Resources (Spring 2019)

Teaching Fellow, Energy Economics and Policy Analysis (Fall 2018, 2019)

Teaching Fellow, Applied Math for Environmental Studies (Fall 2017)

### Stanford University

Teaching Assistant, World Food Economy (Winter 2012)

## Research and Work Experience

Investment analyst, DC Energy (Vienna, VA), 2012-2015

Analyzed electricity supply, demand, and transmission in California to predict power price in day-ahead markets and develop bidding strategy for congestion revenue rights (CRR) auctions

Research Assistant, Adam Brandt (Stanford University), 2011

Examined and implemented alternate approaches for modeling biomass in Regional Optimization Model for Environmental Impacts from Oil Substitutes (ROMEIO)

Karyn Kupcinec Fellowship, David Cahen (Weizmann Institute of Science), 2010

Employed multiple techniques for measuring thickness of self-assembled monolayers in a molecular electronics lab

## 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

**2020:** Association of Environmental and Resource Economists Virtual Summer Conference, June 2020

**2021:** US Association for Energy Economics Virtual Poster Session, March 2021

Association of Environmental and Resource Economists Virtual Summer Conference, June 2021

Online Summer Workshop in Environment, Energy, and Transportation (Economics), June 2021

Northeast Workshop on Energy Policy & Environmental Economics, June 2021

Conference on Carbon Pricing, Boston University Pardee School of Global Studies, July 2021

US Association for Energy Economists Student Paper Competition, November 2021

**2022:** Empirical Methods in Energy Economics Workshop, July 2022

University of Colorado Environmental and Resource Economics Workshop, September 2022

London School of Economics Environment Week, September 2022

US Association for Energy Economists North American Conference, October 2022

## Referee Service

Marketing Science, Nature Energy

Last updated: October 1, 2022