

Benjamin P. Leard

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ACADEMIC POSITIONS AND PROFESSIONAL AFFILIATIONS

Assistant Professor, Department of Agricultural and Resource Economics, University of Tennessee, 2020-present

Faculty Fellow, Howard Baker Jr. Center for Public Policy, 2020-present

University Fellow, Resources for the Future, 2020-present

Fellow, Resources for the Future, 2014-2020

EDUCATION

Cornell University, Applied Economics and Management, Ph.D. 2014

Dissertation: *Essays in Environmental and Energy Economics*

Committee: Antonio Bento (Chair), Ravi Kanbur, Shanjun Li

James Madison University, Mathematics and Economics, B.S. 2008

PAPERS

Refereed Publications

The Effect of Fuel Price Changes on Fleet Demand for New Vehicle Fuel Economy (with Virginia McConnell and Christy Zhou), *Journal of Industrial Economics*, 2019, 67(1): 127-159.

Explaining the Evolution of Vehicle Miles Traveled in the United States (with Joshua Linn and Clayton Munnings), *Energy Journal*, 2019, 40(1): 25-54.

Voluntary Exposure Benefits and the Costs of Climate Change (with Kevin Roth), *Journal of the Association of Environmental and Resource Economists*, 2019, 6(1): 151-185.

Flawed Analyses of U.S. Auto Fuel Economy Standards (with Antonio M. Bento, Kenneth Gillingham, Mark R. Jacobsen, Christopher R. Knittel, Joshua Linn, Virginia McConnell, David Rapson, James M. Sallee, Arthur A. van Benthem, and Kate S. Whitefoot), *Science*, 2018, 362(6419): 1119-1121.

Consumer Inattention and the Demand for Vehicle Fuel Cost Savings, *Journal of Choice Modeling*, 2018, 29: 1-16.

Fuelling Behaviour Change, *Nature Energy News & Views*, 2018, 3: 541-542.

How Do Low Gas Prices Affect Costs and Benefits of US New Vehicle Fuel Economy Standards? (with Joshua Linn and Virginia McConnell), *Economics of Energy & Environmental Policy*, 2018, 7(2).

New Markets for Credit Trading Under U.S. Automobile Greenhouse Gas and Fuel Economy Standards (with Virginia McConnell), *Review of Environmental Economics and Policy*, 2017, 11(2): 207-226.

Fuel Prices, New Vehicle Fuel Economy, and Implications for Attribute-Based Standards (with Joshua Linn and Virginia McConnell), *Journal of the Association of Environmental and Resource Economists*, 2017, 4(3): 659-700.

Are Consumers Willing to Pay to Let Cars Drive for Them? Analyzing Response to Autonomous Vehicles (with Ricardo Daziano and Mauricio Sarrias), *Transportation Research Part C: Emerging Technologies*, 2017, 78: 150-164.

On the Importance of Baseline Setting in Carbon Offsets Markets (with Antonio Bento and Ravi Kanbur), *Climatic Change*, 2016, 137(3): 625-637.

Designing Efficient Markets for Carbon Offsets with Distributional Constraints (with Antonio Bento and Ravi Kanbur), *Journal of Environmental Economics and Management*, 2015, 70(2): 51-71.

The Welfare Effects of Allowance Banking in Emissions Trading Programs, *Environmental and Resource Economics*, 2013, 55(2): 175-197.

Equivalencies in the Fishery (with Jon Conrad), *Natural Resource Modeling*, 2013, 26(2): 154-163.

Working Papers

How Much Do Consumers Value Fuel Economy and Performance? Evidence from Technology Adoption (with Joshua Linn and Christy Zhou) 2017 RFF Report, second round revisions requested from *Review of Economics and Statistics*

Estimating Consumer Substitution Between New and Used Passenger Vehicles, 2019 RFF Working Paper 19-01

What Does an Electric Vehicle Replace? (with Jianwei Xing and Shanjun Li), 2019 RFF Working Paper 19-05

Pass-Through and Welfare Effects of Regulations that Affect Product Attributes (with Joshua Linn and Katalin Springel), 2019 RFF Working Paper 19-07

California's Evolving Zero Emission Vehicle Program: Pulling New Technology into the Market (with Virginia McConnell and Fred Kardos), 2019 RFF Working Paper 19-22, revisions requested from *Review of Environmental Economics and Policy*

Have US Fuel Economy and Greenhouse Gas Emissions Standards Improved Social Welfare? (with Joshua Linn and Katalin Springel), 2020 RFF Working Paper 20-06

Interpreting Tradable Credit Prices in Overlapping Vehicle Regulations (with Virginia McConnell), 2020 RFF Working Paper 20-07

OTHER PUBLICATIONS

Carbon Pricing 202: Pricing Carbon in the Transportation Sector (with Joshua Linn and Kathryn Cleary), 2020 RFF Explainer

What Does Ridesharing Replace? (with Jianwei Xing), 2020 RFF Working Paper 20-03

Targeting Subsidies to Get More Electric Vehicles on the Road. RFF Resources Magazine Issue 202, Fall 2019

What Does an Electric Vehicle Replace? RFF Resources Magazine Issue 201, Summer 2019

Comments to NHTSA and US EPA on the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026: Passenger Cars and Light Trucks (with Joshua Linn, Alan J. Krupnick, and Virginia McConnell) Public Comments, October 2018

Fleet Vehicles and Fuel Economy: How Do Fuel Prices Affect Vehicle Purchase Decisions for Big Buyers? (with Virginia McConnell and Christy Zhou) RFF Resources Magazine Issue 197, Spring 2018

The Benefits of Flexible Policy Design: US Energy Conservation Standards for Appliances (with Josh Blonz and Karen Palmer) RFF Resources Magazine Issue 197, Spring 2018

Comments on the US Department of Energy's Office of Energy Efficiency and Renewable Energy's Request for Information on Energy Conservation Standards Program Design (with Josh Blonz and Karen Palmer) RFF Report, February 2018

The Effect of Standards for New Vehicle Fuel Economy and GHG Emissions on US Consumers (with Joshua Linn and Christy Zhou) RFF Resources Magazine Issue 195, Fall 2017

The Net Emissions Impact of HFC-23 Offset Projects from the Clean Development Mechanism (with Clayton Munnings and Antonio Bento) 2016 RFF Discussion Paper 16-01

Fuel Prices, Economic Activity, and the Rebound Effect for Heavy-Duty Trucks (with Joshua Linn, Virginia McConnell and William Raich) 2016 RFF Discussion Paper 15-43 REV

How Climate Change Affects Traffic Accidents (with Kevin Roth) RFF Resources Magazine Issue 191, Winter 2016

Comments on Midterm Evaluation Draft Technical Assessment Report for Model Year 2022-2025 Light Duty Vehicle GHG Emissions and CAFE Standards (with Joshua Linn, Virginia McConnell and Kenneth Gillingham) RFF Report, September 2016

Do Low Oil Prices Undermine US Passenger Vehicle Fuel Economy Standards? (with Joshua Linn and Virginia McConnell) RFF Policy Brief, July 2016, No. 16-08

AWARDED RESEARCH FUNDING

2020: Sloan Foundation, Energy Foundation, Merck Family Fund

2019: United States Climate Alliance, Georgetown Climate Center

2017-2019: Sloan Foundation

2015-2016: Resources for the Future

STUDENT ADVISING

Dissertation committee member for Kevin Ankney, Georgetown University

Dissertation defense external examiner for Cheng Xu, George Washington University, June 2019

TEACHING

Economic Perspectives on Natural Resource and Environmental Issues, University of Tennessee, Fall 2020

Environmental Economics, Ithaca College, Spring 2012

Math Camp for incoming Masters and Ph.D. students, The Charles H. Dyson School of Applied Economics and Management, Summer 2010 and 2011

PRESENTATIONS

2020: ASSA Annual Meeting, San Diego, CA; Howard H. Baker Jr. Center for Public Policy, University of Tennessee; Ford Motor Company; NBER Economics of Transportation in the 21st Century, online; Exploring Innovative Transportation Policies, Resources for the Future, online

2019: Northeast Workshop on Energy Policy and Environmental Economics, Harvard University; TE³ Conference on Transportation, Economics, Energy, and the Environment, University of Michigan

2018: Howard H. Baker Jr. Center for Public Policy Public Forum on Electric Mass Transit as an Option for Urban Mobility, University of Tennessee; 6th World Congress of Environmental and Resource Economists, Gothenburg, Sweden; TE³ Conference on Transportation, Economics, Energy, and the Environment, University of Michigan

2010-2017: 2017 TE³ Conference on Transportation, Economics, Energy, and the Environment, University of Michigan; AERE 6th Annual Summer Conference, Pittsburgh, PA; Department of Transportation Workshop, Washington, DC; AERE 5th Annual Summer Conference in Breckenridge, Colorado; Transportation Research Board Annual Meeting, Washington, DC; The Economics of Low-Carbon Markets, University of de Sao Paulo; MIT CEEPR Workshop, Cambridge, MA; Iowa State University, Ames, IA; Wake Forest University, Winston-Salem, NC; California State - Long Beach, Long Beach, CA; Resources for the Future, Washington, DC; AERE 2nd Annual Summer Conference, Banff, Canada; 2nd Northeast Workshop on Energy Policy and Environmental Economics, Cornell University, Ithaca, NY; EAERE Summer Conference, Prague, Czech Republic; AERE 1st Annual Summer Conference, Asheville, NC; EAERE-FEEM-VIU European Summer School, Venice, Italy; Eastern Economics Association Meetings, New York, NY; United Nations Conference of Parties Climate Change (COP16) Conference, Agricultural and Rural Development Day, Ideas Marketplace Presentation, Cancun, Mexico

REFEREE EXPERIENCE

American Journal of Agricultural Economics, Climate Policy, Economic Inquiry, Energy Economics, Energy Journal, Energy Policy, Environmental and Resource Economics, International Economic Review, Journal of Choice Modeling, Journal of Environmental Economics and Management, Journal of the Association of Environmental and Resource Economists, Journal of Natural Resources Policy Research, Nature Climate Change, Nature Energy, Regional Science and Urban Economics, Research

in Transportation Economics, Resource and Energy Economics, Transportation Research Part A: Policy and Practice, Transportation Research Part D: Transport and Environment