

# GABRIEL E. LADE

Department of Economics  
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## ACADEMIC POSITIONS AND AFFILIATIONS

Macalester College		
Assistant Professor, Department of Economics		2019- Present
Iowa State University		
Center for Agricultural and Rural Development		2015-Present
Assistant Professor, Department of Economics		2015-2019
Cornell University		
Visiting Assistant Professor, Dyson School of Applied Economics and Management		2018
National Bureau of Economic Research		
Research Economist		2016-2017

## EDUCATION

Ph.D., Agricultural and Resource Economics, University of California, Davis, 2015  
M.A., Economics, Rutgers University, 2011  
B.A., Economics and International Affairs, The George Washington University, 2009

## PUBLICATIONS

### Refereed articles

Lade, G.E. and J. Bushnell. Forthcoming. Fuel Subsidy Pass-Through and Market Structure: Evidence from the Renewable Fuel Standard. *Journal of the Association of Environmental and Resource Economists*. 6(3): 563-592, 2019.

Keiser, D., G.E. Lade, and I. Rudik. 2018. Air Pollution and Visitation at U.S. National Parks. *Science Advances*. 4 (8): 1-6.

- Top 1% of all research outputs ever tracked by Altmetric Attention Score (9/2018)

Lade, G.E., C.-Y.C. Lin Lawell, and A. Smith. 2018. Policy Shocks and Market-Based Regulations: Evidence from the Renewable Fuel Standard. *American Journal of Agricultural Economics*. 100 (3): 707-731.

Lade, G.E., C.-Y.C. Lin Lawell, and A. Smith. 2018. Designing Climate Policy: Lessons from the Renewable Fuel Standard and the Blend Wall. *American Journal of Agricultural Economics*. 100 (2): 585-599.

Yeh, S., J. Witcover, G.E. Lade, and D. Sperling. 2016. A Review of Low Carbon Fuel Policies: Principles, Program Status, and Future Directions. *Energy Policy*. 97: 220-234.

Lade, G.E., and C.-Y.C. Lin Lawell. 2015. Lade, G.E., C.-Y.C. Lin Lawell, A. Smith. 2018. The Design and Economics of Low Carbon Fuel Standards. *Research in Transportation Economics* 52: 91-99.

### **Working papers**

Conservation Spillovers and Behavioral Interventions: Experimental Evidence from Water and Energy Use (with Katrina Jessoe, Frank Loge and Edward Spang). E2e Working Paper 033. *R&R at Journal of the Association of Environmental and Resource Economists*.

Costs of Inefficient Regulation: Evidence from the Bakken (with Ivan Rudik). NBER Working Paper 24139. *R&R at Journal of Environmental Economics and Management*.

The Design of Renewable Fuel Policies and Cost Containment Mechanisms (with C.-Y. Cynthia Lin Lawell). *R&R at Environmental and Resource Economics*.

Economic Effects of Environmental Crises: Evidence from Flint, Michigan (with Peter Christensen and David Keiser). *R&R at American Economic Journal: Economic Policy*.

Residential Water Conservation During Drought: Experimental Evidence from Three Behavioral Interventions (with Katrina Jessoe, Frank Loge and Edward Spang).

Hurricanes and Gasoline Price Gouging (with Timothy Beatty and Jay Shimshack)

### **Work in progress**

Size-Based Regulations and Environmental Quality: Evidence from the U.S. Livestock Industry (with Chen-Ti Chen, John Crespi, and David Keiser).

Rural Drinking Water Habits, Information Provision, And Pollution Exposure (with Jamie Benning, Jacqueline Comito, David Keiser, and Catherine Kling).

### **Non-peer reviewed publications**

E15 Demand and Small Refinery Waivers: A Battle over Long-Run Market Share. CARD Agricultural Policy Review, Fall 2019.

Ozone Pollution in U.S. National Parks is Nearly the Same as in Large Cities (with David Keiser and Ivan Rudik). The Conversation. July 2018.

Environmental Regulation of Hog Feeding Operations (with Chen-Ti Chen). CARD Agricultural Policy Review, Spring 2018.

E15 and E85 Demand Under RIN Price Caps and an RVP Waiver (with Bruce Babcock and Sébastien Pouliot). CARD Policy Brief 18-PB 21, 2018.

Economic Benefits of Nitrogen Reductions in Iowa (with Chuan Tang, David Keiser, Catherine Kling, Yongjie Ji, and Yau-Huo Shr). February 2018.

Efficient Environmental Regulation in the Unconventional Oil Industry (with Ivan Rudik). CARD Agricultural Policy Review, Fall 2017.

Impact on Merchant Refiners and Blenders from Changing the RFS Point of Obligation (with Bruce Babcock and Sébastien Pouliot). CARD Policy Brief 16-PB 20, 2016.

Fuel Price Impacts of the Renewable Fuel Standard (with James Bushnell). CARD Agricultural Policy Review, Fall 2016.

Ex-Post Costs and RIN Prices Under the Renewable Fuel Standard (with C.-Y. Cynthia Lin Lawell and Aaron Smith). Resources for the Future Discussion Paper 15-22, 2015.

Controlling Compliance Costs for California's LCFS with a Price Ceiling (with C.-Y. Cynthia Lin). University of California, Davis Policy Institute for Energy, Environment and the Economy Policy Brief, 2014.

A Report on the Economics of California's Low Carbon Fuel Standard and Cost Containment Mechanisms (with C.-Y. Cynthia Lin). Prepared for the California Air Resources Board. Institute of Transportation Studies, University of California, Davis, Research Report UCD-ITS-RR-13-23, 2013.

## **CONGRESSIONAL TESTIMONY**

U.S. House Energy and Commerce Subcommittee on Environment. Background on Renewable Identification Numbers under the Renewable Fuel Standard. July 25, 2018.

## **GRANTS AND FELLOWSHIPS**

USDA National Institute of Food and Agriculture. Rural Drinking Water Habits, Information Provision, and Pollution Exposure (Project Director. Co-Investigators: Jamie Benning, Jacqueline Comito, David Keiser, and Catherine Kling). \$500,000. 2019.

University of Virginia Environmental Resilience Institute Rapid Response Grant. Natural Disasters and Price Gouging: Evidence from Gasoline Sales before and after US Hurricanes (co-PI with Jay Shimshack and Tim Beatty). \$14,800. 2018.

The E2e Project and Alfred P. Sloan Foundation. Energy Savings from Commercial Energy Efficiency Investments (co-PI with Katrina Jessoe). \$256,933. 2017.

Leopold Center for Sustainable Agriculture. Information Provision, Rural Drinking Water Habits, and Pollution Exposure (co-PI with Catherine Kling, David Keiser, Jacqueline Comito, and Jamie Benning). \$35,000. 2017.

Iowa Environmental Council. Economics of Clean Water in Iowa (co-PI with Catherine Kling). \$25,000. 2017.

The E2e Project and Alfred P. Sloan Foundation. Energy Efficiency Research Seed Grant (co-PI with Katrina Jessoe and Edward Spang). \$24,360. 2016.

National Bureau of Economic Research Economics of Energy Markets Grant (co-PI with Ivan Rudik). \$23,000. 2016.

Biobased Industries Center. RIN Pass-Through to Retail E85 Prices (co-PI with James Bushnell). \$50,000. 2015.

Resources for the Future Retrospective Studies of Regulatory Performance Grant. Ex-Post Analysis of the Renewable Fuel Standard. (co-PI with C.-Y. Cynthia Lin Lawell and Aaron Smith) \$37,500. 2013.

Henry A. Jastro Research Award. University of California, Davis, College of Agricultural and Environmental Sciences. 2014.

Chevron Energy Fellowship. Institute of Transportation Studies, University of California, Davis. 2014.

Provost's Dissertation Year Fellowship. University of California, Davis, College of Agricultural and Environmental Sciences. 2014.

British Petroleum Corporate Affiliate Fellowship. University of California, Davis. Institute of Transportation Studies. 2012.

National Science Foundation IGERT Fellow for Renewable Fuel Solutions for the 21st Century. 2010.

## HONORS AND AWARDS

National Center for Sustainable Transportation (NCST) Outstanding Graduate Student of the Year, 2015.

Honorable Mention, University California, Davis Agricultural and Resource Economics Best Ph.D. Dissertation, 2015.

## TEACHING

Macalester College		
Intermediate Microeconomics	2019-Present	
Industrial Organization	2020-Present	
Iowa State University		
Introduction to Agricultural Markets	2016-2019	
PhD Agricultural Economics	2016-2019	
University of California, Davis		
Quantitative Methods in Agricultural Economics	2011	
Rutgers University		
International Economics	2011	
Introduction to Microeconomics	2010	

## ADVISING (ISU, CHAIR OR CO-CHAIR)

Chen-Ti Chen (Ph.D.)	Expected 2020
Raj Chandra (Ph.D.)	Expected 2021
Chuan Tang (Post-Doctoral Research Associate)	2017-2019
Yau-Huo Shr (Post-Doctoral Research Associate)	2017-2019

## CONFERENCES AND SEMINARS

2019: AEA Annual Meeting (Discussant); Macalester College

2018: AEA Annual Meeting; National Ethanol Conference; Cornell University (Dyson); ASHEcon; NBER SI; AAEA; Heartland Environmental and Resource Economics Workshop; MIT-CEEPR

2017: AEA Annual Meeting (Presenter and Discussant); Economics of Water and Energy Workshop; NBER Conference on Energy Markets; AERE Annual Meeting; AAEA Annual Meeting; Advances with Field Experiments Conference; Montana State University (Economics); Transportation, Economics, Energy and the Environment Conference

2016: NBER Economics of Energy Markets; AERE Annual Meeting; AAEA Annual Meeting; CU Environmental and Resource Economics Workshop; Heartland Environmental and Resource Economics Workshop; University of Minnesota (Applied Economics); UC Davis (Economics); BIC Biofuels Conference (Berkeley, CA)

2015: University of Illinois (ACE)

2014: Iowa State University; Nanjing Agricultural University; University of Michigan (TE<sup>3</sup> Conference); Camp Resources XXI; AAEA Annual Meeting; IAEE Conference; Stanford University (Precourt Institute); UC Davis (ARE)

2013: IAEE Conference; Transportation Research Board Conference; UC Davis (NextSTEPS)

2011: Rutgers University (IGERT Conference); National Science Foundation (IGERT Conference)

## **SERVICE**

Referee: American Economic Journal: Economic Policy, American Journal of Agricultural Economics, Climatic Change, Economics of Environmental Policy, Energy Policy, The Energy Journal, Environmental Science and Technology, European Economic Review, Food Policy, Journal of Agricultural and Resource Economics, Journal of the Association of Environmental and Resource Economists, Journal of Economic Literature, Journal of Environmental Economics and Management, Land Use Policy, Proceedings of the National Academy of Sciences, Resource and Energy Economics, Science

Department (Iowa State): Economics Council (2018-2019), Curriculum Committee (2015-2017), Computer Committee (Chair), Hiring Committees (2017, 2018)