

JOSHUA LINN

Resources for the Future
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Positions

2012- Fellow (indefinite appointment), Resources for the Future
2010-2012 Fellow, Resources for the Future
2008-2010 Research Scientist, MIT. Executive Director, MIT Study of the Future of Solar Energy
2005-2009 Assistant Professor of Economics, University of Illinois at Chicago

Education

2005 Ph.D., Economics, Massachusetts Institute of Technology
2000 B.A., Astronomy and Physics, Yale University

Refereed Journal Publications

Regulating Greenhouse Gases in the Electricity Sector under the Clean Air Act (with Dallas Burtraw and Erin Mastrangelo). *Journal of the Association for Environmental and Resource Economics*, forthcoming.

Gasoline Taxes and Consumer Behavior (with Shanjun Li and Erich Muehlegger). *American Economic Journal: Economic Policy*, forthcoming.

The Effect of Voluntary Brownfields Programs on Nearby Property Values: Evidence from Illinois. *Journal of Urban Economics*, vol. 78: 1-18.

Renewable Electricity Policy, Intermittency, and Cost-Effectiveness (with Harrison Fell). *Journal of Environmental Economics and Management*, vol. 66(3): 688-707.

Fuel Prices and New Vehicle Fuel Economy—Comparing the United States and Western Europe (with Thomas Klier). *Journal of Environmental Economics and Management*, vol. 66(2): 280-300.

Evaluating “Cash for Clunkers”: Program Effect on Vehicle Sales and Cost-Effectiveness (with Shanjun Li and Elisheba Spiller). *Journal of Environmental Economics and Management*, vol. 65(2), 2013: 175-193.

New Vehicle Characteristics and the Cost of the Corporate Average Fuel Economy Standard (with Thomas Klier). *RAND Journal of Economics*, vol. 43 (1), 2012: 186-213.

Incentives of Carbon Dioxide Regulation for Investment in Low-carbon Electricity Technologies in Texas (with Anya Castillo). *Energy Policy*, vol. 39, 2011: 1831-1844.

The Price of Gasoline and New Vehicle Fuel Economy: Evidence from Monthly Sales Data (with Thomas Klier). *American Economic Journal: Economic Policy*, vol. 2 (3), 2010: 134-53.

The Effect of Cap-and-Trade Programs on Firms' Profits: Evidence from the Nitrogen Oxides Budget Trading Program *Journal of Environmental Economics and Management*, v59 (1), 2010: 1-14.

Why Do Oil Shocks Matter? The Role of Inter-Industry Linkages. *Economic Inquiry*, v47 (3), 2009: 549-567.

Energy Prices and the Adoption of Energy-Saving Technology. *The Economic Journal*, v118, 2008: 1986-2012.

Technological Modifications in the Nitrogen Oxides Tradable Permit Program. *The Energy Journal*, v29 (3), 2008: 153-176.

Bush v. Gore and the Effect of New Source Review on Power Plant Emissions (with Ian Lange). *Environmental and Resource Economics*, v40 (4), 2008: 571-591.

Regulatory Conflict in the Chicago VOC Control Program (with Richard Kosobud, Houston Stokes and Carol Tallarico). *Journal of Environmental Planning and Management*, v51 (4), 2008: 561-579.

Market Size in Innovation: Theory and Evidence from the Pharmaceutical Industry (with Daron Acemoglu). *Quarterly Journal of Economics*, v119 (3), August 2004: 1049-1090.

Other Publications and Unpublished Papers

Lessons of Wind Policies in Texas (with Clayton Munnings). *Texas A&M Journal of Real Property Law*, forthcoming.

The Costs and Consequences of Clean Air Act Regulation of CO₂ from Power Plants (with Dallas Burtraw, Karen Palmer, and Anthony Paul). *Papers and Proceedings of the American Economic Association*, forthcoming.

Preparing for the Midterm Review of the Fuel Economy and Greenhouse Gas Emissions Rate Standards for Light-Duty Vehicles: A Summary of Priority Research Questions (with Alan J. Krupnick and Virginia D. McConnell). RFF Issue Brief 14-04.

How Electric Cars Can Increase Greenhouse Gas Emissions (with Virginia McConnell). *Resources*, v184, 2013.

Do Market Shares or Technology Explain Rising New Vehicle Fuel Economy? (with Shefali Khanna). RFF Discussion Paper 13-29.

Designing Renewable Electricity Policies to Reduce Emissions (with Harrison Fell and Clayton Munnings). RFF Discussion Paper 12-54.

The Supply Chain and Industrial Organization of Rare Earth Materials: Implications for the U.S. Wind Energy Sector (with Jhih-Shyang Shih, Timothy J. Brennan, Joel Darmstadter, Molly K. Macauley, and Louis Preonas), RFF Report 2012.

Loan Guarantees Reconsidered (with Joel Darmstadter). Resources for the Future Policy Commentary, reprinted in *Resources*, v179, 2012: 10-12.

Cutting Carbon Take Two: A Brief Guide to Federal Electricity-Sector Climate Policy without Cap-and-Trade (with Nathan Richardson). *Issue Brief* 11-09, 2011. Published in *Applied Economics Perspectives and Policy*, 2013.

Corporate Average Fuel Economy Standards and the Market for New Vehicles (with Thomas Klier). *The Annual Review of Resource Economics*, v3, 2011: 445-62.

Deepwater Drilling: Law, Policy, and Economics of Firm Organization and Safety (with Mark A. Cohen, Madeline Gottlieb, and Nathan Richardson). *Vanderbilt Law Review*, forthcoming.

The Price of Gasoline and the Demand for Fuel Economy: Are There Any Links? (with Thomas Klier). Published in *Issues of the Day: 100 Commentaries on Climate, Energy, the Environment, Transportation and Public Health Policy*. Ian W. H. Parry and Felicia Day (eds.), Resources for the Future Press, Washington, DC, 2010.

Did Medicare Induce Pharmaceutical Innovation? (with Daron Acemoglu, David Cutler and Amy Finkelstein). *Papers and Proceedings of the American Economic Association*, May 2006.

Papers Under Peer-Review

Using Vehicle Taxes to Reduce Carbon Dioxide Emissions Rates of New Passenger Vehicles: Evidence from France, Germany, and Sweden (with Thomas Klier). Revise and resubmit, *American Economic Journal: Economic Policy*.

The Rebound Effect for Passenger Vehicles. Under review.

Technological Change, Vehicle Characteristics and the Opportunity Costs of Fuel Economy Standards (with Thomas Klier). Under review.

Work in Progress

Short-Run Demand for Natural Gas in the U.S. Electric Power Sector (with Lucija Muehlenbachs and Yushuang Wang)

Intermittency, Policy Interactions, and Leakage: The Case of California (with Harrison Fell)

Adoption of Diesel Fuel Passenger Cars in Europe

The Costs and Effectiveness of Wind Policy in Texas (with James Merrick)

Beijing Housing Reforms and Transportation Demand (with Zhongmin Wang and Lunyu Xie)

Innovation and Technology Adoption in Passenger Vehicles (with Thomas Klier)

Awards, Research Funding, and Fellowships

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| 2014 | Lincoln Institute |
| 2012 | Heising-Simons Foundation |
| 2012 | Swedish Energy Agency |
| 2012 | EPA/NREL |
| 2011 | Department of Energy |
| 2010 | Bechtel Foundation |
| 2010 | Presidential Oil Spill Commission |
| 2009 | EPA Brownfields |
| 2008 | Sloan Air Cleaning Industry Center (startup grant) |
| 2006 | Winner, Best Presentation at the Heartland Environmental and Resource Economics Workshop |
| 2000-2004 | Jacob K. Javits Graduate Fellowship |
| 2000 | Graduated <i>magna cum laude</i> , with distinction in the major |

Recent Presentations

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| 2014 | Stanford, Society for Cost Benefit Analysis Conference, International Industrial Organization Conference |
| 2013 | AERE Summer Conference, International Industrial Organization Conference, Colorado School of Mines, Cornell University, MIT CEEPR Workshop, National Academy of Sciences |
| 2012 | AERE Summer Conference, POWER Conference, Santa Barbara AB 32 Workshop, Rutgers, Environmental Defense Fund, Deloitte Alternative Energy Conference |
| 2011 | New York University Transportation Workshop, RFF First Wednesday, APPAM Fall Research Conference, USAEE Conference, Boise State, Chicago/RFF Energy Conference, Senate Briefing on Clean Energy, Association of Environmental and Resource Economists Summer Conference, International Industrial Organization Conference, European Association of Environmental and Resource Economists, Carnegie Mellon (invited lecture) |
| 2010 | RFF/IETA Cancun Climate Conference Side Event, RFF First Wednesday, University of Dauphine Energy in the USA Conference |

Professional Activities

Referee: *American Economic Review, American Economic Journal: Economic Policy, BE Journal of Economic Analysis and Policy, Contemporary Economic Policy, Ecological Economics, Econometrica, The Economic Journal, Energy Economics, The Energy Journal, Energy Policy, Energy Economics, Energy Policy, Environmental and Resource Economics, Environmental Science and Technology, Forum for Health Economics and Policy, Journal of Benefit-Cost Analysis, Journal of Environment and Development, Journal of Environmental Management, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Health Economics, Journal of Industrial Economics, Journal of Political Economy, Journal of Regional Science, Journal of Transportation Economics and Policy, Regional Science and Urban Economics, Research Policy, Resource and Energy Economics, Review of Economics and Statistics, Review of Environmental Economics and Policy, Transportation Research*