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- APPOINTMENTS 2017-Present Assistant Professor, Department of Economics, Vanderbilt University
2015-Present Research Affiliate, Center for Energy and Environmental Policy Research, MIT
- PAST POSITIONS 2015-2017 High Meadows Senior Economist, Environmental Defense Fund
2014-2015 High Meadows Post-doctoral Fellow, Environmental Defense Fund
2014-2015 E2e Post-doctoral Fellow, Center for Energy and Environmental Policy Research, MIT
2013-2014 Research Assistant, Energy Institute at Haas, University of California at Berkeley
2008-2012 Air Pollution Specialist, California Air Resources Board
- DEGREES 2014 Ph.D. in Agricultural and Resource Economics, University of California at Berkeley
2011 M.S. in Business and Public Policy, University of California at Berkeley
2008 B.S. in Applied Economics and Management, Cornell University
- RESEARCH FIELDS Industrial Organization, Energy and Environmental Economics, Labor Economics and Applied Econometrics
- PUBLICATIONS “The Effects of Regulation in the Presence of Multiple Unpriced Externalities: Evidence from the Transportation Sector” (with Antonio Bento, Daniel Kaffine and Kevin Roth), *American Economic Journal: Economic Policy* 6.3 (2014): 1-29.
“Downstream Regulation of CO₂ Emissions in California’s Electricity Sector” (with James Bushnell and Yihsu Chen), *Energy Policy* 64 (2014): 313-323.
- SUBMITTED AND WORKING PAPERS “Expecting the Unexpected: Emissions Uncertainty and Environmental Market Design” (with Severin Borenstein, James Bushnell and Frank Wolak) (2016), revisions requested by the *American Economic Review*.
“Allocation, Efficiency and Rent-Seeking in the All-Pay Auction with Resale” (2016), under review.
“Anticipation and Environmental Regulation” (with Katherine Rittenhouse) (2017), under review.
“Raising Rivals’ Costs: Vertical Market Power in Natural Gas Pipelines and Wholesale Electricity Markets” (with Levi Marks, Chuck Mason and Kristina Mohlin) (2017).
“Transportation, Partial Regulation and Emissions Leakage: Evidence from a Field (Quasi)Experiment” (2015).

WORK IN PROGRESS “Equity, Efficiency and Trade: How Much Does Individual Experience Matter?” (with Katherine Rittenhouse)

“Output-based Allocation in Greenhouse Gas Cap-and-Trade Programs: Evidence from a Matched Sample of Industrial Facilities”

“Pollution Co-benefits from Greenhouse Gas Regulations: Evidence from a Matched Sample of Industrial Facilities”

“Transportation, Partial Regulation and Emissions Leakage: Evidence from the Fatality Analysis Reporting System”

“Environmental Regulation, Production Reallocation and Quality: Evidence from the Clean Air Act Amendments” (with Jeremy West)

FELLOWSHIPS AND GRANTS

EDF Behavioral Economics Research Grant for “Equity, Efficiency and Trade: How Much Does Individual Experience Matter?” (2016)

Energy Foundation Research Grant for “Anticipation and Environmental Regulation” (2014)

UC Berkeley Graduate Division Summer Research Grant (2012)

Fisher Center for Real Estate Dissertation Grant (2012)

King Family-US Renewables Renewable Energy Scholars Award (2011)

Sandor Fellowship for the Study of Renewable Energy and Energy Markets (2010)

Institute for Business Innovation Fellowship (2009)

INVITED PRESENTATIONS

AERE Annual Summer Conference (Banff, 2013), UCEI Energy Camp (Berkeley, 2013), Northeast Workshop on Energy Policy and Environmental Economics (Ithaca, 2013), ARE Environment and Resource Economics Seminar (Berkeley, 2013), Boalt Law & Economics Seminar (Berkeley, 2013), UCEI Energy Camp (Berkeley, 2014), MIT Public Economics Lunch (Cambridge, 2014), Harvard Environmental Economics Lunch (Cambridge, 2014), Harvard Environmental Economics Lunch (Cambridge, 2015), U.S. Environmental Protection Agency (Ann Arbor, 2015), AERE Annual Summer Conference (San Diego, 2015), AEA Annual Meetings (San Francisco, 2016), EDF Applied Environmental Economics Seminar (New York, 2016), Harvard Environmental Economics Lunch (Cambridge, Spring 2016), USDA Agricultural Outlook Forum (Washington, 2016), AERE Annual Summer Conference (Breckenridge, 2016), Harvard Environmental Economics Lunch (Cambridge, Fall 2016), AEA Annual Meetings (Chicago, 2017), MIT IO Lunch (Cambridge, 2017), Harvard Environmental Economics Lunch (Cambridge, 2017).

REFEREE

Climate Change, Economic Inquiry, Environment and Development Economics, Journal of Applied Econometrics, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Journal of Policy Analysis and Management, Journal of Public Economics, International Review of Industrial Organization, Resource and Energy Economics.