

Kenneth Gillingham

Yale University
School of the Environment
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Current Appointments

Yale University, *Associate Professor of Economics* (without tenure), July 2017-present

School of the Environment
Secondary appointment, School of Management
Secondary appointment, Department of Economics

National Bureau of Economic Research, *Faculty Research Fellow*, May 2015-present

RWI Research Network, *Research Fellow*, October 2016-present

CESifo Research Network, *Affiliate*, April 2017-present

Research Interests

Environmental & Energy Economics, Industrial Organization, Public Economics, Empirical Methods, Technological Change, Transportation Economics, Energy & Climate Policy Modeling.

Education

Stanford University, Ph.D., Management Science & Engineering, minor in Economics, 2011

Fields: Public & Environmental Economics, Industrial Organization, Econometrics

Stanford University, M.S., Statistics, 2010

Stanford University, M.S., Management Science & Engineering (Economics & Finance), 2006

Dartmouth College, A.B., Economics and Environmental Studies, minor in Earth Sciences, 2002

Previous Appointments

UC Berkeley Energy Institute at Haas, Visiting Scholar, Feb 2018

Stanford University Economics Department, Visiting Scholar, Jan 2018

Yale University, Assistant Professor, 2011-2017

White House Council of Economic Advisers, Senior Economist, 2015-2016

University of Chicago Energy Policy Institute (Harris/Booth), Visiting Scholar, 2014

Indiana University Kelley School of Business, Visiting Scholar, 2013

California Air Resources Board, Economist (Graduate Student Assistant), 2011

Stanford University Economics Department, Research Assistant, 2008-2011

Stanford University Energy Modeling Forum, Research Assistant, 2008

Stanford University Precourt Energy Efficiency Center, Research Assistant, 2004-2006

Fulbright New Zealand, Fulbright Fellow, University of Auckland, 2007

White House Council of Economic Advisers, Fellow for Energy & Environment, 2005

Resources for the Future, Research Assistant, 2002-2004

Joint Global Change Research Institute (PNNL), Research Assistant, 2001

Dartmouth College, Research Assistant, 1998-2002

Research

* denotes current or former advisee

Working Papers

Gillingham, K., F. Iskhakov, A. Munk-Nielsen, J. Rust, B. Schjerning, Equilibrium Trade in Automobile Markets, Revisions Requested at the *Journal of Political Economy*.

Bollinger, B., **K. Gillingham**, A.J. Kirkpatrick, S. Sexton, Visibility and Peer Influence in Durable Good Adoption, Revisions Requested by *Marketing Science*.

Burkhardt, J.*, **K. Gillingham**, P. Kopalle, Experimental Evidence on the Effect of Information and Pricing on Residential Electricity Consumption, In Review.

Burkhardt, J.*, N. Chan*, B. Bollinger, **K. Gillingham**, What is the Value of Conformity? Evidence from Home Landscaping and Water Conservation, In Review.

Gillingham, K., F. Iskhakov, A. Munk-Nielsen, J. Rust, B. Schjerning, A Dynamic Model of Vehicle Ownership, Type Choice, and Usage.

Bento, A., **K. Gillingham**, K. Roth, The Effect of Fuel Economy Standards on Vehicle Weight Dispersion and Accident Fatalities.

Berry, S., **K. Gillingham**, J. Levinsohn, Selection and Unraveling in Automobile Insurance: The Effect of Per-Mile Insurance.

Bollinger, B. and **K. Gillingham**, Learning-by-Doing in Solar Photovoltaic Installations.

Bollinger, B., **K. Gillingham**, and S. Lamp, Equilibrium Effects of Competition on Solar Photovoltaic Demand and Pricing.

Langford, R.* and **K. Gillingham**, Quantifying the Benefits of the Introduction of the Hybrid Electric Vehicle.

Gillingham, K. and P. Huang*, The Climate and Health Benefits from Intensive Building Energy Efficiency Improvements.

K. Gillingham and M. Obstfeld, Time-Consistent Benefit-Cost Analysis with Declining Discount Rates.

Journal Articles

Gillingham, K., S. Houde, A. van Benthem (2020) Consumer Myopia in Vehicle Purchases: Evidence from a Natural Experiment, conditionally accepted at *American Economic Journal: Economic Policy*.

Gillingham, K. and B. Bollinger (2020) Social Learning and Solar Photovoltaic Adoption: Evidence from a Field Experiment, forthcoming at *Management Science*.

Bollinger, B., **K. Gillingham**, M. Ovaere* (2020) Field Experimental Evidence Shows that Self-Interest Attracts More Sunlight, forthcoming at *Proceedings of the National Academy of Sciences*.

Archsmith, J., **K. Gillingham**, C. Knittel, D. Rapson (2020) Attribute Substitution in Household Vehicle Portfolios, forthcoming at *RAND Journal of Economics*.

Bollinger, B., J. Burkhardt*, **K. Gillingham** (2020) Peer Effects in Residential Water Conservation: Evidence from Migration, forthcoming at *American Economic Journal: Economic Policy*.

Gillingham, K. and P. Huang* (2020) The Long-run Environmental and Economic Impacts of Electrifying Ports in the United States, forthcoming at *Environmental Science & Technology*.

Gillingham, K., C. Knittel, J. Li, M. Ovaere*, M. Reguant (2020) The Short-run and Long-run Effects of Covid-19 on Energy and the Environment, *Joule*, 4(7): 1337-1341.

Andor, M., A. Gerster, **K. Gillingham**, M. Horvath (2020) Running a Car Costs Much More Than People Think—Stalling the Uptake of Green Travel. *Nature*, 580: 453-455.

Wolske, K., **K. Gillingham**, P.W. Schultz (2020) Peer Influence on Household Energy Behaviors. *Nature Energy*, 5: 202-212.

Gillingham, K. (2020) The Rebound Effect and the Rollback of Fuel Economy Standards. *Review of Environmental Economics & Policy*, 14(1): 136-142.

Gillingham, K. and T. Tsvetanov* (2019) Hurdles and Steps: Estimating Demand for Solar Photovoltaics. *Quantitative Economics*, 10(1): 275-310.

Gillingham, K. and A. Munk-Nielsen* (2019) A Tale of Two Tails: Commuting and the Fuel Price Response in Driving. *Journal of Urban Economics*, 109: 27-40.

Gillingham, K. and P. Huang* (2019) Is Abundant Natural Gas a Bridge to a Low-carbon Future or a Dead-end? *Energy Journal*, 40(2): 75-100.

Gillingham, K. and J. Stock (2018) The Cost of Reducing Greenhouse Gas Emissions. *Journal of Economic Perspectives*, 32(5): 1-20.

Bento, A., **K. Gillingham**, M. Jacobsen, C. Knittel, B. Leard, J. Linn, V. McConnell, D. Rapson, J. Sallee, A. van Benthem, K. Whitefoot (2018) Flawed Analyses of U.S. Auto Fuel Economy Standards. *Science*, 352(6419): 1119-1121.

Kraft-Todd, G.* , B. Bollinger, **K. Gillingham**, S. Lamp*, D. Rand (2018) Credibility-Enhancing Displays Promote the Provision of a Non-Normative Public Good. *Nature*, 563: 245-248.

Christensen, P.* , **K. Gillingham**, and W. Nordhaus (2018) Uncertainty in Forecasts of Long-Run Economic Growth. *Proceedings of the National Academy of Sciences*, 115(21): 5409-5414.

Gillingham, K., W. Nordhaus, D. Anthoff, G. Blanford, V. Bosetti, P. Christensen*, H. McJeon, J. Reilly (2018) Modeling Uncertainty in Integrated Assessment of Climate Change: A Multi-Model Comparison. *Journal of the Association of Environmental & Resource Economists*, 5(4): 791-826.

- Gillingham, K.** and T. Tsvetanov* (2018) Nudging Energy Efficiency Audits: Evidence from a Field Experiment. *Journal of Environmental Economics & Management*, 90: 303-316.
- Gillingham, K.**, A. Keyes, K. Palmer (2018) Advances in Evaluating Energy Efficiency Policies and Programs. *Annual Review of Resource Economics*, 10(1): 511-532.
- Gillingham, K.**, S. Carattini*, D. Esty (2017) Lessons from First Campus Carbon Pricing Scheme. *Nature*, 551: 27-29.
- Nemet, G., E. O'Shaughnessy, R. Wisser, N. Darghouth, G. Barbose, **K. Gillingham**, and V. Rai (2017) What Factors Affect the Prices of Low-Priced U.S. Solar PV Systems? *Renewable Energy*, 114: 1333-1339.
- Nemet, G., E. O'Shaughnessy, R. Wisser, N. Darghouth, G. Barbose, **K. Gillingham**, and V. Rai (2017) Characteristics of Low-Priced Solar Systems in the U.S. *Applied Energy*, 187: 501-513.
- Gillingham, K.**, J. Bushnell, M. Fowlie, M. Greenstone, C. Kolstad, A. Krupnick, A. Morris, R. Schmalensee, and J. Stock (2016) Reforming the Federal Coal Leasing Program. *Science*, 354(6316): 1096-1098.
- Gillingham, K.**, D. Rapson, and G. Wagner (2016) The Rebound Effect and Energy Efficiency Policy. *Review of Environmental Economics & Policy*, 10(1): 68-88.
- Gillingham, K.**, H. Deng*, R. Wisser, N. Darghouth, G. Nemet, G. Barbose, V. Rai, and C. Dong (2016) Deconstructing Solar Photovoltaic Pricing: The Role of Market Structure, Technology, and Policy. *Energy Journal*, 37(3): 231-250.
- Burke, M., M. Craxton, C. Kolstad, C. Onda, H. Allcott, E. Baker, L. Barrage, R. Carson, **K. Gillingham**, J. Graff-Zivin, M. Greenstone, S. Hallegatte, W. Hanemann, G. Heal, S. Hsiang, B. Jones, D. Kelly, R. Kopp, M. Kotchen, R. Mendelsohn, K. Meng, G. Metcalf, J. Moreno-Cruz, R. Pindyck, S. Rose, I. Rudik, J. Stock, and R. Tol (2016) Opportunities for Advances in Climate Economics. *Science*, 352(6283): 292-293.
- Chan, N.* and **K. Gillingham** (2015) The Microeconomic Theory of the Rebound Effect and its Welfare Implications. *Journal of the Association of Environmental & Resource Economists*, 2(1): 133-159.
- Gillingham, K.**, A. Jenn*, and I. Azevedo (2015) Heterogeneity in the Response to Gasoline Prices: Evidence from Pennsylvania and Implications for the Rebound Effect. *Energy Economics*, 52(S1): S41-S52.
- Graziano, M.* and **K. Gillingham** (2015) Spatial Patterns of Solar Photovoltaic System Adoption: The Influence of Neighbors and the Built Environment. *Journal of Economic Geography*, 15(4): 815-839.
- Pizer, W., M. Adler, J. Aldy, D. Anthoff, M. Cropper, **K. Gillingham**, M. Greenstone, B. Murray, R. Newell, R. Richels, A. Rowell, S. Waldhoff, and J. Wiener (2014) Using and Improving the Social Cost of Carbon. *Science*, 346(6214): 1189-1190.
- Gillingham, K.** and K. Palmer (2014) Bridging the Energy Efficiency Gap: Policy Insights from Economic Theory and Empirical Analysis. *Review of Environmental Economics & Policy*, 8(1): 18-38. Editor's Choice.
- Gillingham, K.** (2014) Identifying the Elasticity of Driving: Evidence from a Gasoline Price Shock in California. *Regional Science & Urban Economics*, 47(4): 13-24. Special Issue Tribute to John Quigley.
- Gillingham, K.**, M. Kotchen, D. Rapson, and G. Wagner (2013) The Rebound Effect is Over-played. *Nature*, 493: 475-476.

- Yeh, S., G. Mishra, G. Morrison, J. Teter, R. Quiceno, **K. Gillingham**, and X. Riera-Palou (2013) Long-Term Shifts in Lifecycle Energy Efficiency and Carbon Intensity. *Environmental Science & Technology*, 47(6): 2494-2501.
- Bollinger, B. and **K. Gillingham** (2012) Peer Effects in the Diffusion of Solar Photovoltaic Panels. *Marketing Science*, 31(6): 900-912.
- Gillingham, K.**, M. Harding, and D. Rapson (2012) Split Incentives in Residential Energy Consumption. *Energy Journal*, 33(2): 37-62.
- Gillingham, K.** and J. Sweeney (2012) Barriers to Implementing Low Carbon Technologies. *Climate Change Economics*, 3(4), 1-25.
- Leaver, J. and **K. Gillingham** (2010) Economic Impact of the Integration of Alternative Vehicle Technologies into the New Zealand Vehicle Fleet. *Journal of Cleaner Production*, 18: 908-916.
- Gillingham, K.**, R. Newell, and K. Palmer (2009) Energy Efficiency Economics and Policy. *Annual Review of Resource Economics*, 1: 597-619. Reprinted in Italian in *Energia* (2010).
- Gillingham, K.** (2009) Economic Efficiency of Solar Hot Water Policy in New Zealand. *Energy Policy*, 37(9): 3336-3347.
- Leaver, J., L. Leaver, and **K. Gillingham** (2009) Assessment of Primary Impacts of a Hydrogen Economy in New Zealand using UNISYD. *International Journal of Hydrogen Energy*, 34(7): 2855-2865.
- van Benthem, A., **K. Gillingham**, and J. Sweeney (2008) Learning-by-Doing and the Optimal Solar Policy in California. *Energy Journal*, 29(3): 131-151.
- Gillingham, K.**, R. Newell, and W. Pizer (2008) Modeling Endogenous Technological Change for Climate Policy Analysis. *Energy Economics*, 30(6): 2734-2753.
- Gillingham, K.**, S. Smith, and R. Sands (2008) Impact of Bioenergy Crops in a Carbon Constrained World: An Application of the MiniCAM Linked Energy-Agriculture and Land Use Model. *Mitigation and Adaptation Strategies for Global Change*, 13(7): 675-701.
- Safirova, E., **K. Gillingham**, and S. Houde (2007) Measuring Marginal Congestion Costs of Urban Transportation: Do Networks Matter? *Transportation Research A*, 41(8): 734-749.
- Gillingham, K.**, R. Newell, and K. Palmer (2006) Energy Efficiency Policies: A Retrospective Examination. *Annual Review of Environment and Resources*, 31: 193-237.
- Shih, J-S, W. Harrington, W. Pizer, and **K. Gillingham** (2006) Economies of Scale in Community Water Systems. *Journal of American Water Works Association*, 98(9): 100-108.
- Safirova, E., P. Nelson, W. Harrington, **K. Gillingham**, and A. Lipman (2005) Choosing Congestion Pricing Policy: Cordon Tolls vs. Link-Based Tolls. *Transportation Research Record*, 1932: 169-177.

Book Chapters

- Gillingham, K.** and S. Weber (2021) Fuel Economy Standards: Impacts and Safety. In: *International Encyclopedia of Transportation*, Roger Vickerman, Robert Noland, Dick Ettema (eds). Elsevier.
- Gillingham, K.** (2019) Fostering Energy Innovation for a Sustainable Twenty-First Century. In: *A Better Planet: 40 Big Ideas for a Sustainable Future*, Daniel Esty (ed). Yale University Press.
- Gillingham, K.** (2014) Rebound Effects. In: *The New Palgrave Dictionary of Economics*, Steven Durlauf and Lawrence Blume (eds). Palgrave Macmillan Publishing.

Gillingham, K. and J. Sweeney (2010) Market Failure and the Structure of Externalities. In: *Harnessing Renewable Energy*, Boaz Moselle, Jorge Padilla, Richard Schmalensee (eds). RFF Press.

Gillingham, K., R. Newell, and K. Palmer (2006) The Effectiveness and Cost of Energy Efficiency Programs. In: *The RFF Reader in Environmental and Resource Policy*, Wallace Oates (ed). RFF Press. 193-201.

Safirova, E., I. Parry, P. Nelson, W. Harrington, **K. Gillingham**, and D. Mason (2004) Welfare and Distributional Effects of HOT Lanes and Other Road Pricing Policies in Metropolitan Washington, DC. In: *Road Pricing: Theory and Evidence*, Georgina Santos (ed). Elsevier. *Research in Transportation Economics*, 9(1): 179-206.

Non-Peer Reviewed Publications

Gillingham, K. (2019) Carbon Calculus: For Deep Greenhouse Gas Emission Reductions, a Long-term Perspective on Costs is Essential, *International Monetary Fund Finance & Development*, 56(4): 6-11.

Gillingham, K., J. Stock, W. Davis (2018) Comments on the Notice of Proposed Rulemaking for The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks, Docket numbers: EPA-HQ-OAR-2018-0283 and NHTSA-2018-0067.

Gillingham, K. (2018) William Nordhaus and the Costs of Climate Change, YaleGlobal Online, reprinted by Voxeu.org.

Bollinger, B., J. Burkhardt, and **K. Gillingham** (2018) Peer Effects in Water Conservation: Evidence from Consumer Migration, *Global Water Forum*.

K. Gillingham and J. Stock (2016) Federal Minerals Leasing Reform and Climate Policy, *Brookings Hamilton Project*, Policy Proposal 2016-07.

Gillingham, K., The Economics of Fuel Economy Standards versus Feebates, *National Energy Policy Institute Working Paper*.

Bollinger, B. and **K. Gillingham** (2012) Do Peer Effects Matter? Assessing the Impact of Causal Social Influence on Solar PV Adoption, *Photovoltaics International*, 17: 160-165.

Friedland, A. and **K. Gillingham** (2010) Carbon Accounting is a Tricky Business. Letter to the Editor, *Science*, 327(5964): 411-412.

Safirova, E., W. Harrington, P. Nelson, and **K. Gillingham** (2004) Are HOT Lanes a Hot Deal? Analyzing the Potential of HOV to HOT Lanes Conversion in Northern Virginia. RFF Issue Brief 03-03.

Nelson, P., E. Safirova, and **K. Gillingham** (2003) Revving up the Tax Engine: Gas Taxes and the DC Metro Area's Transportation Dilemma. RFF Issue Brief 03-05.

Presentations

2021 (future): AEA Meetings (presenter & discussant).

2020 (future): NBER Energy Use in Transportation (discussant); NBER Economics of Innovation Meeting (discussant); Stanford Workshop on the Economics of Electrified Transportation; London School of Economics Grantham Climate Change & Environment Seminar (remote); Duke University/TREE Seminar (remote).

2020 (completed): AEA Meetings (presenter in 2 sessions, discussant in one); ETH Zurich Winter Course on Empirical Energy Economics; Empirical Methods in Energy Economics (ETH Zurich, Switzerland); Georgia Tech Ray C. Anderson Center for Sustainable Business; American University Global Economy and Development Seminar; Federal Energy Regulatory Commission; Duke University/TREE Seminar; Harvard Environmental Economics Seminar (Covid-19 cancelled); TU Darmstadt (Covid-19 cancelled); Mannheim Energy Conference Keynote (Covid-19 cancelled); Harvard-Berkeley-Yale Virtual Seminar on Economics of Climate Change and Energy Transition (remote); U.S. Department of Energy EERE (remote); 4th Conference on Structural Dynamic Models Plenary (University of Zurich; Covid-19 cancelled); World Congress of the Econometric Society (remote); U.S. Department of Energy SEEDS Project Workshop (remote).

2019: AEA Meetings (panelist & discussant); Ifo Institute (Munich, Germany); Georgetown University; University of Connecticut ARE; University of Maryland AREC; NBER Conference on the Economics of Energy Use in Transportation; New England Energy Conference (keynote); AERE Summer Conference (Incline Village, CA); New England Conference of Public Utility Commissioners (panelist); Cowles Foundation Structural Microeconomics Summer Conference; Northeast Workshop on Energy Policy & Environmental Economics (Harvard University); Empirical Methods in Energy Economics (Quebec City, Canada); RWI Empirical Environmental Economics Workshop (Essen, Germany); NESCAUM Director's Meeting; Advances with Field Experiments Conference (University of Chicago); University of Alabama; KU Leuven; CESifo Area Conference on Climate and Energy (Munich, Germany); Georgia Tech Economics; International Monetary Fund Workshop on Climate Change (Washington, DC).

2018: AEA/Econometric Society Meetings (presenter in 2 sessions); Stanford University; UC Berkeley Climate Lunch; UC Berkeley EEE Seminar; Council on Foreign Relations (participant); Cornell University; NBER EEE Spring Meetings; University of Munster; ETH Zurich; NYU Volatility Institute Conference; University of Montpellier Workshop on Energy Economics (keynote); Toulouse School of Economics Workshop on Environmental Regulation & Industrial Performance; ISMS Marketing Science Conference; CT Dept Energy & Environmental Protection; US Association for Energy Economics Plenary Speaker (Washington, DC); CESifo Area Conference on Climate and Energy (Munich, Germany); Georgia State University Economics, University of Copenhagen URBAN Conference.

2017: AEA Meetings (discussant, panelist, and session presider); U.S. Energy Information Administration; Yale F&ES; International Monetary Fund; Yale Industrial Organization Workshop; Ifo Institute (Munich); University of Connecticut Economics; SEARCH Project Meeting at Yale; International Industrial Organization Conference (Boston, MA); NBER Energy Markets Meeting; Association of Environmental and Resource Economists Annual Meeting (Pittsburgh, PA); Northeast Workshop on Environmental Economics and Energy Policy (Dartmouth); PERC Innovation, Property Rights, and the Structures of Energy (Bozeman, MT); Workshop on the Applications of Industrial Organization (Montreal, Canada); University of Chicago Advances with Field Experiments Conference; Avangrid Leadership Summit; Columbia University Global Energy Policy Center; Harvard Environmental Economics Seminar; CESifo Area Conference on Climate and Energy (Munich, Germany); BECC Conference (Sacramento), TE₃ Conference (UMichigan); CT Dept Energy & Environmental Protection; US Association for Energy Economics (Houston, TX).

2016: AEA Meetings (discussant on 2 papers and session presider); Council on Foreign Relations (participant); Multi-scale Economics Methodologies and Scenarios Workshop (College Park, MD); Yale US-China Renewable Energy Forum (moderator); GTAP Annual Conference on Global Economic Analysis (Washington, DC); Resources for the Future; EMF Workshop on Climate Change Impacts and Integrated Assessment (Snowmass, CO); Camp Resources (Wrightsville Beach, NC); University of Illinois Urbana-Champaign; University of Chicago Advances with Field Experiments Conference; Columbia University; US Association for Energy Economics Plenary Speaker (Tulsa, OK); KAPSARC Energy Dialogue (Riyadh, Saudi Arabia); Brookings Hamilton Project.

2015: AEA Meetings (presenter, discussant on 4 papers, and session presider); ICLEI Rooftop Solar Challenge/Solar Market Pathways webinar; RWTH Aachen University (Aachen, Germany); Penn State Environmental Economics seminar; International Industrial Organization Conference (Boston, MA); Northeast Workshop on Energy Policy & Environmental Economics (Yale); Association of Environmental & Resource Economists Summer Conference (San Diego, CA); University of Strathclyde (Glasgow, Scotland); Empirical Methods in Energy Economics Workshop (UMaryland); EMF Workshop on Climate Change Impacts and Integrated Assessment (Snowmass, CO); World Congress of the Econometric Society (Montreal, Canada); Heartland Environmental & Resource Economics Workshop (UIUC); National Academy of Sciences; World Bank Applied Micro seminar.

2014: AEA Meetings (presenter of 2 papers, discussant on 2 papers, and session presider); University of Copenhagen Economics; Indiana University SPEA; University of Michigan Economics; Clean Energy States Alliance (Webinar); Environmental Defense Fund Applied Environmental Economics Seminar; University of Chicago Booth; Duke Social Cost of Carbon Workshop; US Association for Energy Economics (New York, NY); KAPSARC Drivers of Transportation Workshop (Washington, DC); 6th Atlantic Workshop on Energy and Environmental Economics (A Toxa, Spain); Stanford Institute for Theoretical Economics (SITE) Empirical Implementation of Theoretical Models of Strategic Interaction and Dynamic Behavior Workshop (Stanford, CA); NBER Environmental & Energy Economics Summer Institute (Cambridge, MA); EMF Workshop on Climate Change Impacts and Integrated Assessment (Snowmass, CO); NSF SCRiM Summer School at Penn State (State College, PA); Resources for the Future; Ecole de Mines-ParisTech CERNA (Paris); CIRED (Paris); Paris-Dauphine University/Mines-ParisTech/Ecole Normale (Keynote); Indiana University Kelley School of Business; National Low-Carbon Case Competition Keynote (Yale SOM); Yale Presidential Carbon Charge Task Force Meeting; Harvard Seminar on Environmental Economics and Policy; RFF Workshop on Benchmarking and Disclosure; Behavior, Energy, and Climate Change (BECC) Conference (Washington, DC); LBNL Webinar.

2013: AEA Meetings (discussant); Modeling Uncertainty Project Meeting (New Haven, CT); FES/SOM Yale Environmental Economics Seminar; Carnegie-Mellon University; Villanova Law; Arizona State University Economics of Water Workshop (Keynote); International Industrial Organization Conference (Cambridge, MA); AERE Summer Conference (Banff, AB); Empirical Methods in Energy Economics Workshop (Carlton University, Ottawa); DOE Sunshot Kick-off Meeting; EMF Workshop on Climate Change Impacts and Integrated Assessment (Snowmass, CO); Stanford Institute for Theoretical Economics (SITE) Advances in Environmental Economics Workshop; Columbia University SIPA; Indiana University Kelley School of Business; Tsinghua University Institute of Energy, Environment, and Economy; Fudan University Economics; Duke-Harvard Energy Efficiency Workshop (at Harvard KSG); Indiana University SPEA; Behavior, Energy, and Climate Change (BECC) Conference (Sacramento, CA); Resources for the Future Workshop on CAFE Standards; Connecticut Clean Energy Finance & Investment Authority.

2012: AEA Meetings (presenter); Yale FES Seminar Series; Lawrence Berkeley National Laboratory/DOE Sunshot Initiative Workshop; Triangle Resource & Environmental Economics seminar (Duke, NCSU, UNC); Indiana University Kelley School of Business/Economics/SPEA; University of Massachusetts Amherst Resource Economics; Rice University Economics; Texas A&M Economics; UC Santa Cruz Economics; Naval Postgraduate School Economics; UC Santa Barbara Economics/Bren School; ETH Zurich Economics; University of Lugano Economics; AERE Summer Conference (Asheville, NC); EMF Workshop on Climate Change Impacts and Integrated Assessment (Snowmass, CO); Connecticut Clean Energy Finance & Investment Authority; UC Berkeley/Lincoln Institute of Land Policy Conference; University of Colorado Boulder Economics; University of Wyoming Economics; US Association for Energy Economics (Austin, TX); University of Connecticut ARE; University of Copenhagen Economics.

2011: University of Maryland AREc; Indiana University SPEA; UC Davis Economics; University of Arizona Economics; Arizona State University Economics; University of Illinois Urbana-Champaign

Finance; University of Notre Dame Economics; Yale University FES; Informing Green Markets Conference (University of Michigan); Cowles Foundation Structural Microeconometrics Conference (Yale University); Empirical Methods in Energy Economics Workshop (Southern Methodist University); Harvard Seminar on Environmental Economics and Policy; Re-examining the Rebound Effect in Energy Efficiency Workshop (Environmental Defense Fund); RFF-Stanford Workshop on the Next Round of Climate Economics and Policy Research (Washington, DC); US Association for Energy Economics (Washington, DC); Workshop on Environmental and Transportation Policies to Mitigate Climate Change (New York University); Religare Capital Markets (Singapore); Behavior, Economics, and Energy Panel (National University of Singapore Energy Studies Institute); University of Copenhagen Economics.

2010: UC Berkeley Energy Institute; NBER EEE Summer Institute; World Congress Env & Resource Economists (Montreal); US Association for Energy Economics (Calgary); Behavior, Energy & Climate Change (BECC) Conference; 12th Occasional California Workshop on Environmental and Resource Economics; UC Davis ARE; Resources for the Future.

2009: UC Berkeley ARE; Stanford IO Workshop; DOE EIA Advisory Council; US Association for Energy Economics (San Francisco); UC Energy Institute CSEM Conference.

2008: UC Davis ITS; Victoria University, New Zealand.

2007: University of Auckland Energy Centre, New Zealand; Massey University, New Zealand; International Association for Energy Economics (Wellington, New Zealand).

2006: Dartmouth College Workshop on Technological Change & Environment.

2004: Transportation Research Board Annual Meeting.

Grants

“Yale-Iberdrola-Avangrid Energy Innovation Collaboration,” Avangrid, ‘Solar + Storage’ Project PI, 2019-2021 (\$624,577 total; \$247,498 for project).

“Technological Innovation and Per-Mile Automobile Insurance: Effects on Patterns of Vehicle Usage,” National Bureau of Economic Research (with support from the U.S. Department of Energy, the National Science Foundation, and the Sloan Foundation), PI, 2018-2019 (\$20,000).

“Using Behavioral Science to Target LMI and High-Value Solar Installations,” U.S. Department of Energy, PI, 2017-2019 (\$1,350,000).

“Household Demand for Solar PV and Price Discriminating Subsidies,” National Bureau of Economic Research (with support from the U.S. Department of Energy and the National Science Foundation), co-PI with Steve Sexton and Bryan Bollinger, 2016-2017 (\$23,000).

“Solutions for Energy, Air, Climate, and Health (SEARCH),” U.S. Environmental Protection Agency, subproject co-PI with Ben Hobbs, 2015-2020 (~\$10,000,000 total; \$1,618,814 for project 1).

“Energy Efficiency Field Experiments in New Haven,” Yale Center for Business and the Environment, F.K. Weyerhaeuser Memorial Fund, co-PI with Tsvetan Tsvetanov, 2014-2016 (\$40,000).

“What are Sustainable Climate Risk Management Strategies?” National Science Foundation (subcontract from Penn State), co-PI with William Nordhaus, 2014-2016 (\$164,469).

“The Influence of Novel Behavioral Strategies in Promoting the Diffusion of Solar Energy,” U.S. Department of Energy, PI, 2013-2016 (\$1,899,978).

“Research in Integrated Assessment Inter-Model Development, Testing, and Diagnostics,” U.S. Department of Energy (subcontract from Stanford), with William Nordhaus, 2013-2016 (\$232,000).

“Density, Walkability, and VMT,” Yale Center for Business and the Environment Sobotka Research Fund, PI, 2013-2014 (\$10,100).

“Deep Dive Solar Cost Analysis,” Lawrence Berkeley National Laboratory/U.S. Department of Energy, PI, 2013-2016 (Yale budget: \$115,000).

“Modeling Household and Transportation Vehicle Choice and Usage,” California Air Resources Board, co-PI with Dave Rapson, Chris Knittel, and Pat Mokhtarian, 2012-2014 (\$300,000).

“Sunrise New England,” US Department of Energy, co-PI with Stuart DeCew, 2012-2014 (Yale budget: \$215,000).

“The Consumer Response to Gasoline Price Changes,” Stanford Institute for Economic Policy Research (SIEPR) Grant, 2010 (\$10,000).

“The Consumer Response to Gasoline Price Changes,” Shultz Graduate Student Fellowship in Economic Policy, SIEPR, 2010 (\$4,000).

“Economics of New Zealand Solar Distributed Generation,” Fulbright Fellowship, 2007.

“The Effect of Income and Congestion on the Rebound Effect of CAFE Standards,” U.S. Environmental Protection Agency STAR Fellowship, 2006-2009 (\$111,000).

Heitz Graduate Fellowship, Stanford University, 2006.

Battelle Memorial Institute Fellowship, 2001 (\$6,000).

Teaching

Yale University

Spring 2020: F&ES 905 Ph.D. Environmental and Energy Economics, 7 students + 3 auditors

Spring 2020: F&ES 805 Environmental Economics Seminar (co-taught), 9 students + 2 auditors

Fall 2019: F&ES 800 Energy Economics and Policy Analysis, 44 students + 3 auditors

Fall 2019: F&ES 805 Environmental Economics Seminar (co-taught), 9 students + 2 auditors

Spring 2019: F&ES 805 Environmental Economics Seminar (co-taught), 4 students + 3 auditors

Fall 2018: F&ES 800 Energy Economics and Policy Analysis, 44 students

Fall 2018: F&ES 805 Environmental Economics Seminar (co-taught), 6 students + 4 auditors

Spring 2017: F&ES 905 Ph.D. Environmental and Energy Economics, 7 students + 1 auditor

Spring 2017: F&ES 805 Environmental Economics Seminar (co-taught), 14 students

Spring 2017: F&ES 800 Energy Economics and Policy Analysis, 51 students

Fall 2016: F&ES 805 Environmental Economics Seminar (co-taught), 18 students

Spring 2015: F&ES 905 Ph.D. Environmental and Energy Economics, 6 students + 2 auditors

Spring 2015: F&ES 805 Environmental Economics Seminar (co-taught), 5 students + 10 auditors

Spring 2015: F&ES 800 Energy Economics and Policy Analysis, 40 students

Fall 2014: F&ES 805 Environmental Economics Seminar (co-taught), 11 students

Spring 2013: F&ES 800 Energy Economics and Policy Analysis, 43 students

Spring 2013: F&ES 805 Environmental Economics Seminar (co-taught), 17 students

Fall 2012: F&ES 904 Ph.D. Environmental and Energy Economics, 16 students

Fall 2012: F&ES 805 Environmental Economics Seminar (co-taught), 22 students

Spring 2012: F&ES 805 Environmental Economics Seminar (co-taught), 10 students

Fall 2011: F&ES 505 Economics of the Environment, 68 students

Fall 2011: F&ES 805 Environmental Economics Seminar (co-taught), 15 students

Assorted guest lectures for Yale courses (2-3 per year).

National Science Foundation SCRiM Summer Institute (Penn State)

Integrated Assessment Modeling Tutorial.

Stanford University (Teaching Assistant)

Ph.D. Microeconomics, Introductory Econometrics, Natural Resource Economics (Graduate), Transportation Policy (Graduate), Energy Policy Analysis (Graduate), Energy & Environmental Policy Analysis (Graduate), Climate Policy Analysis (Graduate), Principles of Economics

Advising

Current Advisees

Ph.D. Primary Advisor

Stephanie Weber (4th year), Peter Berrill (4th year from E. Hertwich), Paul Wolfram (4th year from E. Hertwich), Wade Davis (3rd year), Simon Lang (1st year)

Ph.D. Committee Member

Zihan Zhuo (5th year), Jonghyun Yoo (4th year), Matt Gordon (3rd year), Winston Hovekamp (econ 2nd year)

Post-doc Advisor

Pei Huang (3rd year), Marten Ovaere (2nd year), Marta Talevi (incoming)

MESc Advisor

Lucy Shim (MESc '20)

Masters Independent Study Advisor

Daniel Csonth (MEM '20)

Masters Advisees

Taryn Akiyama, Qiuzi Chen, Bridget Gilmore, Bill Pedersen, Elizabeth Stagg, Ella Witts, Amma Agyei Boakye, Andrea Cruz Quiroz, Carlos Ibarra Lopez, Jesse Laniak, Jonathan Silverthorne, Oliver Tully, Yuhan Zhang

Advisee Alumni

Ph.D. Primary Advisor

Hao Deng '20 (Yale post-doc)

Paige Weber '19 (UNC Chapel Hill)

(co-advised) Jesse Burkhardt '16 (Colorado State University)

Ph.D. Committee Member (first placement; current placement)

Nicholas Snashall-Woodhams '20 (UT Austin McCombs)
Jake Ward CMU'20 (US Dept of Energy)
Arthur Yip CMU'20 (NREL)
Evan Sherwin CMU'19 (Stanford post-doc)
Tamar Makov '19 (Ben-Gurion University)
Waldemar Marz LMU Munich'19 (Ifo Institute post-doc)
Kellie Stokes '18 (NASA)
Nikki Springer '18 (MugenKioku Consultants)
Gil DePaula '17 (Iowa State University)
Marcelo Sant'Anna '16 (FGV/EPAVB Brazilian School of Public & Business Administration)
Peter Christensen '15 (University of Illinois, Urbana-Champaign)
Richard Langford '15 (Bates White Consulting)
Laura Bakkensen '14 (University of Arizona)
Nathan Chan '14 (Colby College; UMass-Amherst)
Alan Jenn CMU'14 (Carnegie-Mellon post-doc; UC Davis)
Marcello Graziano UConn'14 (University of the Highlands post-doc; Southern Connecticut State)

Former Post-doctoral Scholars (first placement)

Stefano Carattini '18 (Georgia State University)
Stefan Lamp '16 (Toulouse School of Economics Research Fellow)
Tsvetan Tsvetanov '15 (University of Kansas)

Masters Thesis Advising

Lucy Shim, Hilary Staver (E3), Paige Weber (Ph.D. student at F&ES), Robert Fetter (Ph.D. student at Duke)

MEM Independent Study

Howard Chang (MEM/MBA '12), Dustin Schinn (MEM '13), Peter Baum (MEM '13), Vijeta Jangra (MEM '13), Jessie Shoemaker (MEM '15), Rebecca Gallagher (MEM/MBA '15), Ben Dawson (MEM '16), Sarah Freel (MEM '15), Elizabeth Youngblood (Harvard MEM '15), Emily Wier (MEM '17), Erik Lyon (MEM '19), Nate Grady (MEM '19), Jane Culkin (MEM '19), Tim Bialecki (MEM '19), Corey Cantor (MEM '19), Zach Ratner (MEM '19)

Undergraduate Senior Essays

Ana Grajales (economics '13), Daniel Cheng (math-econ '13), Blake Hofmeister (economics '15), Brandon Blaesser (economics\env. studies '15), Sade Kammen (poli sci '19), Kevin Liang (env. studies '19), William Arnesen (economics '20)

Masters Advisees

60+ Advisees since 2011.

Service to Yale

Yale F&ES Research Committee (2019-present)
 Yale F&ES Masters Program Committee (2018-present)
 Yale F&ES Energy Specialization Chair (2018-present)
 Yale College Energy Studies Advisory Committee (2016-present)
 Yale University President's Task Force on Decarbonization (2019-2020)
 Yale F&ES Faculty Search Planning Committee (2019-2020)
 Yale F&ES Community and Governance Committee (2019-2020)
 Yale F&ES Strategic Vision Committee (2016-2017)
 Yale Climate & Energy Institute (YCEI) Steering Committee (2013-2015)
 Yale Carbon Pricing subcommittee (2015)

Honors and Awards

AMA-EBSCO Responsible Research in Marketing Award (for Kraft-Todd et al.), 2020
 USAEE/IAEE 2019 Working Paper Best Paper Award, 2020
 Full Member, Sigma Xi, 2011
 Dennis O'Brian Best Student Paper Award, US Association for Energy Economics, 2010
 Thesis and Research Essay Publication Scholarship, University of Auckland, 2006
 Outstanding Teaching Assistant Award, Stanford Economics, 2006
 National Science Foundation Graduate Fellowship, Honorable Mention, 2006
 American Water Works Association Best Paper Award, 2006
 Departmental Honors, Dartmouth Economics, 2002
 Departmental High Honors, Dartmouth Environmental Studies, 2002
 Associate Member, Sigma Xi, 2002
 First Prize, Dartmouth Sigma Xi Senior Thesis Competition, 2002

Professional Service

Editorial Boards

Editorial Board of *Energy Journal*, 2017-present
 Editorial Board of *Energy Efficiency*, 2016-present

Conferences Co-Organized

Northeast Workshop on Energy Policy & Environmental Economics (June 14-15, 2021 at UPenn)
 Empirical Methods in Energy Economics (currently scheduled for January 3-5, 2021 at Yale)
 Northeast Workshop on Energy Policy & Environmental Economics (June 13-14, 2019 at Harvard)
 Northeast Workshop on Energy Policy & Environmental Economics (May 17-18, 2018 at Columbia)
 Northeast Workshop on Energy Policy & Environmental Economics (June 13-14, 2017 at Dartmouth)
 Empirical Methods in Energy Economics (July 9-10, 2015 at UMD)
 Northeast Workshop on Energy Policy & Environmental Economics (May 21-22, 2015 at Yale)
 Yale Workshop on Uncertainty in Climate Change (Nov 21, 2013 at Yale)
 Northeast Workshop on Energy Policy & Environmental Economics (May 10-11, 2013 at Cornell)
 Modeling Uncertainty in Climate Policy Workshop (Feb 4, 2013 at Yale)

Advisory Boards

Scientific Council for FAUST Research Project (Munich), 2020-present
 Network Organizer for Empirical Methods in Energy Economics International Network, 2019-present
 Executive Committee, External Environmental Economics Advisory Committee for the U.S. EPA, 2018-present
 Nominating Committee for AERE Board, 2019
 Scientific Advisory Board, RFF Social Cost of Carbon Initiative, 2018-present
 External Advisory Board, CMU Center for Climate and Energy Decision Making, 2018-present

Referee Service

Economics Journals: *American Economic Journal: Applied*, *American Economic Journal: Economic Policy*, *American Economic Review*, *American Economic Review: Insights*, *American Journal of Agricultural Economics*, *B.E. Journal of Economic Analysis & Policy*, *Climate Change Economics*, *Eastern Economic Journal*, *Economic Journal*, *Economica*, *Economics of Energy & Environmental Policy*, *Economics of Transportation*, *Ecological Economics*, *Energy Economics*, *Energy Journal*, *European Economic Review*, *Environmental & Resource Economics*, *International Economic Review*, *Journal of the Association of Environmental and Resource Economists*, *Journal of Business & Economic Statistics*, *Journal of Choice Modelling*, *Journal of Econometrics*, *Journal of Economic Behavior & Organization*, *Journal of Economic Surveys*, *Journal of Economic Theory*, *Journal of Economics & Management Strategy*, *Journal of Environmental Economics & Management*, *Journal of Industrial Economics*, *Journal of Institutional & Theoretical Economics*, *Journal of Law & Economics*, *Journal of Public Economics*, *Journal of Political Economy*, *Journal of Urban Economics*, *Management Science*, *Marketing Science*, *Oxford Economic Papers*, *Quantitative Economics*, *Quarterly Journal of Economics*, *RAND Journal of Economics*, *Regional Science & Urban Economics*, *Resource & Energy Economics*, *Review of Economics & Statistics*, *Review of Economic Dynamics*, *Review of Environmental Economics & Policy*, *Review of Industrial Organization*, *Scandinavian Journal of Economics*, *Southern Economic Journal*, *The Manchester School*, *World Bank Economic Review*.

Environment/Engineering/Policy/Science Journals: *Annual Review of Environment & Resources*, *Applied Energy*, *Building Research*, *Cityscape*, *Climatic Change*, *Energies*, *Energy*, *Energy & Fuels*, *Energy Efficiency*, *Energy Policy*, *Energy Strategy Reviews*, *Energy Research & Social Science*, *Environment & Behavior*, *Environment Development & Sustainability*, *Environmental Modeling & Assessment*, *Environmental Research Letters*, *Environmental Science & Technology*, *Environmental Sociology*, *Frontiers in Energy Research*, *Food Policy*, *Global Environmental Change*, *IEEE Transactions on Power Systems*, *IEEE Transportation Electrification*, *International Journal of Sustainable Transportation*, *Journal of Cleaner Production*, *Journal of Environment & Development*, *Journal of Industrial Ecology*, *Journal of Policy Analysis & Management*, *Journal of Sustainable Forestry*, *Mitigation & Adaptation Strategies for Global Change*, *Nature*, *Nature Climate Change*, *Nature Communications*, *Nature Energy*, *PLOS One*, *Science*, *Sustainable Cities and Society*, *Transportation Research A*, *Transportation Research D*, *Utilities Policy*.

Review Service

AERE Summer Conference Review Committee, Alfred P. Sloan Foundation, Alliance for Research on Corporate Sustainability, Danish Council for Strategic Research, KU Leuven, Leibniz Programme for Women Professors (Germany), MIT Press, National Academy of Sciences Transportation Research Board, National Science Foundation, National Renewable Energy Laboratory, National Research Council (NRC) of the National Academy of Sciences, Princeton University Press, Singapore Ministry of Education, Swiss National Science Foundation, Czech National Science Foundation, UNC Water Resources Research Institute, U.S. Department of Energy Quadrennial Technology Review, U.S. Environmental Protection Agency

Expert Review Panels

National Academy of Sciences panel (invited; declined while at the White House), Connecticut Academy of Science & Engineering expert panel (Oct 2014-Feb 2015), US Department of Energy expert panel to inform the Quadrennial Technology Review (Nov 13, 2014), USAEE Student Best Paper Award Selection Committee (February/March 2014), US Department of Agriculture NIFA Climate Change Adaptation expert review panel (Aug 1-2, 2013), US Department of Energy review panel (April 26, 2013), US Department of Agriculture NIFA Bioenergy Policy expert review panel (Apr 19-20, 2012)

External Engagement

Primary economics expert witness/consultant to California Attorney General's office on fuel economy standards

Advisory assistance to Connecticut Dept of Energy and Environmental Protection, Connecticut Green Bank, and Center for Applied Environmental Law & Policy

Professional Affiliations

American Economic Association, Association of Environmental and Resource Economists, Econometric Society, Industrial Organization Society, United States Association for Energy Economics

In the Media

Scientific American: "COVID Pandemic-19 Shows Telecommuting Can Fight Climate Change," Jul 22, 2020

Environmental Health News: "Beyond the 'Silver Lining' of Emissions Reductions: Clean Energy Takes a Covid-19 Hit," Jul 9, 2020

Yale Alumni Magazine: "Driving Lessons: People Underestimate the Cost of Owning a Car," Jul/Aug 2020

Phys.org: "Climate Economics Nobel May Do More Harm Than Good," Jul 6, 2020

Financial Post/Bloomberg Green: "Drastic Covid-19 Slowdown May Hinder Any Green Recovery," Jun 30, 2020

E&E News: "Electricity, Covid-19 and Carbon: 3 Issues to Watch," Jun 26, 2020

E&E News: "Clean Energy Crash Could Spur 15-year CO₂ Spike-Study," Jun 24, 2020

DowntoEarth: "Green Energy Funding Delays to Offset Covid-19 Environmental Gains: Study," Jun 24, 2020

Engineering & Technology: "Pandemic-related Carbon Reduction Could be Offset by Faltering Economies," Jun 23, 2020

BBC (Radio): "World Business Report," Jun 5, 2020

Carbon Brief: "Fuel Savings in US Cars Have 'Cut 17Bn Tonnes of CO₂ Since 1975,'" May 19, 2020

USA Today: "Fact Check: The Coronavirus Pandemic Isn't Slowing Climate Change," May 11, 2020

Energy News Network: "Against Headwinds, Connecticut Lays Out Path to Put More Electric Vehicles on the Road," May 5, 2020

DW.com: "Working from Home, Even When the Coronavirus Crisis Has Passed," May 1, 2020

Welt.de (German-language): "Car Costs," Apr 29, 2020

Christian Science Monitor: "Bluer Skies, Less Greenhouse Gas. What Happens After the Pandemic?" Apr 29, 2020

Yale News: "If People Grasped the Full Cost of Cars, They Might Make Greener Choices," Apr 23, 2020

Suddeutsche Zeitung (German-language): "(Much) More Expensive Than You Think," Apr 22, 2020

Lewiston Morning Tribune: "COVID-19 Has Not Canceled Earth Day," Apr 21, 2020
New York Times: "A Crash Course on Climate Change, 50 Years After Earth Day," Apr 19, 2020
Wired: "Solar Panels Could Be the Best Fad Ever," Apr 1, 2020
Yale News: "The Complex Implications of COVID-19 on Global Energy Markets, Consumer Behaviors," Mar 23, 2020
Washington Post: "Coronavirus Could Halt the World's Emissions Growth. Not that we Should Feel Good About That," Mar 6, 2020
The Atlantic: "Thy Neighbor's Solar Panels," March 2020 issue
el Ágora (in Spanish): "Fighting the Climate Crisis Comes at a Price: Change Your Lifestyle," Feb 21, 2020
BBC Beyond the 9-to-5: "Why Working from Home Might be Less Sustainable," Feb 21, 2020
Washington Post: "How Peer Pressure Can Help Stop Climate Change," Feb 20, 2020
Slate: "How Much Can Jeff Bezos' \$10 Billion Do to Fight Climate Change," Feb 19, 2020
E&E News: "Warming Could Drop Grid 'Reliability' 16% – Study," Feb 18, 2020
Denver Post: "Is Natural Gas a Bridge Fuel Too Far with the Rise in Renewables? It Depends on Who You Ask," Jan 31, 2020
CNBC Asia Squawk Box: "Carbon Calculus," Jan 19, 2020
Yale Climate Connections: "Power Plant Emissions Down 47% Under RGGI," Jan 16, 2020
Washington Post, "Oil Lobby Fends Off 2020 Candidates' Calls to Ban Fracking with New Ad Campaign," Jan 8, 2020
Bloomberg Quint, "A \$1 Billion Solar Plant Was Obsolete Before it Ever Went Online," Jan 6, 2020
Karma Impact, "As Wind Turbines Age, Recycling Blades Poses a Problem," Dec 18, 2019
Times of Indian, "Technological Advanced Nations Need to do a Long-term Cost-benefit Analysis at COP 25," Dec 4, 2019
Washington Post, "The world needs a massive carbon tax in just 10 years to limit climate change, IMF says," Oct 10, 2019
Cal Matters, "California's Fight Over Tailpipe Emissions, Explained," Aug 31, 2019
Top of Mind with Julie Rose (SiriusXM/BYU Radio), "Trump Administration Wants to Ease Restrictions on Automakers. Ford, Honda, VW & BMW Say 'No Thanks'," Aug 6, 2019
E&E News: "Career Staff Fueled Blitz on Climate Models," Aug 2, 2019
The Atlantic: "A Very Important Climate Fact that No One Knows," May 8, 2019
Tuck School: "The Key to Energy Conservation? Priming Consumers with Price," May 7, 2019
BBN News: "The High Costs of Renewable Portfolio Standards," May 7, 2019
FactCheck.org: "The Facts on Fuel Economy Standards," May 3, 2019
Grid Philly: "The Solar Network: The Number One Factor that Influences Whether People Adopt Solar? If Their Neighbors Install Panels First," Apr 30, 2019
Grist: "Energy Equity: Bringing Solar Power to Low-Income Communities," Apr 14, 2019
WNPR All Things Considered: "In Connecticut, the Costs and Benefits of Shared Solar are Tough to Calculate," Mar 18, 2019
The New Yorker: "The False Choice Between Economic Growth and Combatting Climate Change," Feb 4, 2019
Connecticut Mirror: "CT's Clean Energy Battles Transition From Malloy to Lamont," Dec 15, 2018
Ars Technica: "Eleven Researchers Publish Sharp Critique of EPA Fuel Economy Logic," Dec 9, 2018
Newsweek: "Fuel Economy Rollback Skewed Data to Justify Controversial Halt to Obama-Ere Rules, Study Finds," Dec 7, 2018
E&E News: "Researchers Decry 'Misrepresented' Findings in Rollback Plan," Dec 7, 2018
LA Times: "Trump Fuel Economy Rollback is Based on Misleading and Shoddy Calculations, Study Finds," Dec 6, 2018
Colorado Sun: "Jared Polis Wants Colorado 100 Percent Powered by Renewable Energy," Nov 26, 2018
CEO Magazine: "What to do When you Can't Price Carbon," Nov 13, 2018
LiveMint: "Clean Energy Might be Viable in the Long Run," Nov 6, 2018

Bloomberg News: "Trump Car Standards Rollback Knocked for Faulty Analysis," Nov 2, 2018
The Atlantic: "The Trump Administration Flunked Its Math Homework," Oct 31, 2018
Slate: "Reducing Your Carbon Footprint Still Matters," Oct 26, 2018
Yale News/Phys.Org: "Want to Nudge Others to Install Solar? Actions Speak Louder," Oct 24, 2018
Daily Beast: "The Secret to Making Green Tech Like Solar Panels Go Mainstream," Oct 24, 2018
UtilityDive: "Can the Price of Rooftop Solar Keep Falling?" Oct 18, 2018
Eurasia Review: "The Costs of Climate Change - Analysis," Oct 16, 2018
New Haven Register: "Yale's Nordhaus Wins Nobel Prize in Economics for Work in Climate Change," Oct 9, 2018
New York Times: "Trump Put a Low Cost on Carbon Emissions: Here's Why it Matters," Aug 23, 2018
Nature Energy Research Highlight: "Feel the Nudge," Aug 8, 2018
KCBS News Radio (San Francisco): "Trump's Fuel Economy Rollback," Aug 3, 2018
New York Times: "Opinion: A Reckless Scheme on Auto Emissions," Aug 2, 2018
Seattle Times: "Will Weaker Fuel Rules Make Roads Safer? Experts Doubt It," Aug 2, 2018
Forbes: "Inconsistencies and Uncertainties Over Trump Administration's Fuel Economy Freeze," Aug 2, 2018
New York Times: "Trump Officials Link Fuel Economy Rules to Deadly Crashes. Experts Are Skeptical," Aug 2, 2018
Bloomberg: "Safety Claims in Trump's Auto Efficiency Rollback Draw Skeptics," Jul 27, 2018
Canton Daily Ledger: "Knight Column: Good News for Farmers and the Environment," Jul 23, 2018
Science Daily: "Uncertainty in Long-run Economic Growth Likely Points Toward Greater Emissions, Climate Change Costs," May 15, 2018
Yale News: "We May Be Underestimating Future Economic Growth, and its Potential Climate Effects," May 14, 2018
WNPR: "Can a Carbon Price Really Catch On?" Feb 2, 2018
New York Times: "Yale Tries a Carbon Tax," Dec 13, 2017
Sacramento Bee: "Another Argument for Carbon Tax: How Car Buyers Behave," Dec 12, 2017
Energy Intelligence New Energy: "Finding Carbon's True Cost a Tricky Feat," Nov 23, 2017
Yale Daily News: "Paper Assess Yale Carbon-pricing Model," Nov 14, 2017
Yale News: "Putting Value on Carbon Can Lower Energy Use, Campus Experiment Shows," Nov 3, 2017
The Drive: "2-Vehicle Households More Likely to Choose a Second Car with Worse Gas Mileage," Oct 26, 2017
The Michigan Daily: "TE3 Conference Explores the Future of Transportation," Oct 22, 2017
Jefferson Public Radio: "My Other Car is a Gas Guzzler (Or Electric)," Oct 2, 2017
ClimateWire: "Fuel-efficient Cars Enable SUV Purchases—Study," Sep 27, 2017
San Francisco Chronicle: "Fuel-efficient Cars Often Paired with Gas Guzzlers, Study Finds," Sep 26, 2017
Yale News: "University Begins Carbon Charge Project," Sep 19, 2017
Yale News: "Yale Launches Carbon Charge for Campus Buildings and Departments," Sep 11, 2017
Washington Post: "Is the Most Powerful Lobbyist in Washington Losing its Grip?" Jul 14, 2017
KXAN TV Station (Austin, TX): "Keeping up with the Joneses: Google Wants You to Go Solar," Jun 23, 2017
MNN.com: "Thinking About Going Solar? Google Adds Peer Pressure Into the Mix," Jun 19, 2017
Inverse: "Google Project Sunroof Wants to Create FOMO About Solar Panels," Jun 12, 2017
TechSpot: "Google's Project Sunroof Now Shows Which Homes in Your Neighborhood Are Harnessing the Sun's Power," Jun 12, 2017
Mashable: "Google Wants to Guilt You Into Installing Solar Panels on Your Roof," Jun 12, 2017
The Atlantic: "Google's New Product Puts Peer Pressure to a Sunny Use," Jun 12, 2017
Waterloo Cedar Falls Courier: "Leaving Paris Accord Disingenuous," Jun 5, 2017
Vox.com: "The 5 Biggest Deceptions in Trump's Paris Climate Speech," Jun 2, 2017

Verge.com: "Trump Used Misleading Job Stats to Justify Pulling Out of the Paris Climate Agreement," Jun 1, 2017

Mic.com: "Trump Pulling Out of the Paris Climate Deal Would be Bad for the Economy, Too," Jun 1, 2017

Politifact: "Fact-checking Donald Trump's Statement Withdrawing from the Paris Agreement," Jun 1, 2017

E&E News: "95 Scholars Urge Trump to Revamp 'Misguided' 2-for-1 Order," May 24, 2017

PVBuzzMedia: "Yale & Duke University Study Maps the Way Toward 'Tipping Points' in Solar Adoption," May 10, 2017

Journal Gazette: "Scientists Bolster Fuel Standards as Safety Issue," May 4, 2017

Washington Post: "Scientists Just Debunked One of the Biggest Arguments Against Fuel Economy Standards for Cars," May 3, 2017

Journalist's Resource: "Fuel-efficient Cars May Actually Be Safer Than Gas Guzzlers," May 3, 2017

WNPR: "In Millstone Brinkmanship, Is a Carbon Tax The More Elegant Solution? May 2, 2017

Yale News: "Scientists Brace for Potential Federal Research Cuts, Regulatory Shifts," Apr 19, 2017

Yale News: "National Guidebook Maps the Way Toward 'Tipping Points' in Solar Adoption," Apr 18, 2017

The Register-Guard: "Green-aware Investors can do Good - and Well," Apr 16, 2017

Yale News: "Yale Economist: Trump Order Unlikely to Alter Tightening US Coal Market," Mar 29, 2017

ClimateWire: "Trump to Roll Back Clean Power Plan Tomorrow at EPA," Mar 27, 2017

Philadelphia Tribune: "Energy Star Program Faces Funding Cut," Mar 20, 2017

Climate Central: "Climate-Friendly Energy Star Program Could be Cut," Mar 9, 2017

Yale Daily News: "Energy Studies Sees Higher Interest," Feb 9, 2017

180 Degrees (interview): "Oil Exports in Light of the New Energy Technologies," Feb 3, 2017

The Real News Network (interview): "Declining Cost of Renewables Will Challenge Trump's Promise to Bring Back Jobs Through Coal," Jan 26, 2017

The Conversation.com: "Will Trump Negotiate a Better Coal Deal for Taxpayers?" Jan 22, 2017

Climate Central: "Trump White House Distorts Wages Figure on First Day," Jan 20, 2017

Yale Alumni Magazine: "Widening Access to Residential Solar," Jan/Feb 2017

Bloomberg Businessweek: "How Climate Rules Might Fade Away," Dec 15, 2016

Politifact: "Make Buildings More Energy Efficient," Dec 9, 2016

Yale News: "Ripe for Reform: Economists Lay Out Flaws in Federal Coal Leasing Program," Dec 2, 2016

Yale Daily News: "Yale Program to Bring Solar Power to Low-Income Households," Nov 9, 2016

Muskogee Phoenix: "Solar Power Use Could Benefit Homeowners," Nov 4, 2016

Yale Climate Connections: Audio Interview on "Integrating Renewables," Oct 26, 2016

Yale News: "Yale-Led Project to Widen Access to Household Solar Receives Federal Grant," Oct 25, 2016

WalletHub.com: "Most and Least Energy-Efficient States," Oct 21, 2016

New York Times: "How Lowering Crime Could Contribute to Global Warming," Aug 3, 2016

ClimateWire: "Wyo.'s Gov. Mead Blasts Federal Coal Leasing Review," Aug 1, 2016

New York Times: "How Renewable Energy is Blowing Climate Change Efforts Off Course," Jul 19, 2016

Washington Post: "Obama Admin Changing Coal Royalty Program to Boost Revenue," Jun 30, 2016

ClimateWire: "White House: Raising Federal Royalties Will Save GHGs," Jun 23, 2016

InsideClimate News: "White House: Raising Coal Royalties a Boon for Taxpayers, and for the Climate," Jun 23, 2016

Argus Media: "US Coal Lease Changes Could Greatly Boost Revenue: CEA," Jun 22, 2016

Reuters: "White House Economists Say U.S. Coal Program Costing Taxpayers," Jun 22, 2016

Washington Post: "Obama's Advisers Just Dismantled a Key Myth About the Future of Clean Energy,"

Jun 21, 2016

TheLowDownBlog: "Costs are Going Down but Solar Power Spreads Because it is Contagious," May 18, 2016

Builder Magazine: "Rooftop Solar Power is Contagious," May 5, 2016

Vox.com (Brad Plumer): "Solar Power is Contagious. These Maps Show How it Spreads," May 4, 2016

SolarCity Blog: "The Remarkable Reason That Solar is Going Viral in these 10 Cities," May 4, 2016

Wall Street Journal: "Long-term Costs of Cutting Emissions Grow Hazy," April 24, 2016

Yale FES News: "Funding Shortfalls Hamper Knowledge of Social, Economic Climate Impacts," April 21, 2016

Greenwire: "Study Probes Why Some Installations Are Much Cheaper Than Others," Jan 20, 2016

Huffington Post: "What Can We Learn From the 'Dumbest Town in the U.S.'," Jan 5, 2016

Salt Lake Tribune: "What Economists Don't Get About Climate Change," Nov 4, 2015

Bloomberg View: "What Economists Don't Get About Climate Change," Nov 3, 2015

Vox.com (David Roberts): "The 'Uncertainty Loop' Haunting Our Climate Models," Oct 23, 2015

Yale News: "Yale's Participation in Unique Solar Program Highlights Earth Week 2015," Apr 17, 2015

Huffington Post: "Keeping Up With the Jones' Gives Solar Revolution a Boost," Jan 30, 2015

Hartford Courant: "CT Creeps Toward Electric Grid 2.0," Dec 29, 2014

Yale Daily News: "SOM Hosts Low-Carbon Investment Competition," Nov 17, 2014

KLIV San Jose with Barry Cinnamon: "What Influences People to Install Solar?" Nov 16, 2014

Gigaom.com: "SunPower Wants to be the Dell of Solar," Nov 13, 2014

PrettyVisible Blog: "Solar is Contagious," Nov 12, 2014

Yale Climate & Energy Institute Penumbra Blog: "Divestment Enters the Mainstream?" Nov 10, 2014

UtilityDive.com: "How Solar Power Spreads Among Neighbors 'Like a Contagion'," Nov 3, 2014

Boston Globe: "How to Get a Country to Switch to Coal: Changing to Renewables Will be Hard But Not Impossible, if Our Last Energy Transition is Any Guide," Nov 2, 2014

Care2.com: "You'll Be Surprised Which Contagious Thing is Spreading Now," Oct 26, 2014

PVBuzz.com: "Solar Power Growth in U.S. Neighbourhoods Could be Contagious (Study)," Oct 25, 2014

Vox.com (Brad Plumer): "Solar Power is Contagious: Installing Panels Often Means Your Neighbors Will Too," Oct 24, 2014

New York Times Dot Earth: "Another Round on Energy Rebound," Oct 24, 2014

Washington Post Wonkblog: "Why Do People Put Solar on Their Roofs? Because Other People Put Solar on Their Roofs," Oct 23, 2014

New York Times Dot Earth: "Is There Room for Agreement on the Merits and Limits of Efficient Lighting?" Oct 21, 2014

New York Times: "Letter to the Editor on 'The Problem with Energy Efficiency'," Oct 18, 2014

Sunlight Solar Blog: "Yale University to Study Solarize," Sep 29, 2014

WalletHub.com: "Most and Least Energy Expensive States," Jul 23, 2014

Yale Daily News: "Forum Engages Climate Scientists and Economists," Nov 22, 2013

Washington Square News: "Stern, Yale Professors Team Up To Research Solar Energy," Oct 1, 2013

Connecticut Public Radio (WNPR): "A New Gas Tax, But What's it Paying For?" Jul 1, 2013

Yale Scientific Magazine: "Yale Professor Discusses the Economics of Conservation," May 11, 2013

Yale Scientific Magazine: "Solar Energy: Sink or Spread-Professor Gillingham's Study on the Scalability of Solar Energy," April 5, 2013

Yale Daily News: "Green Expectations: Yale's Energy Investments Struggle," Mar 26, 2013

Connecticut Public Radio (WNPR): "Yale Gets Award to Help Grow Solar Energy," Feb 20, 2013

New Haven Register: "Yale Receives \$1.9 million Solar Grant," Jan 30, 2013

Swiss National Radio: "Rebound Effect," Jan 25, 2013

The Naked Scientists, Science News: "Energy Efficiency on the Rebound," Jan 24, 2013

Revkin.net: "Rebound is Real, But Limited," Jan 24, 2013

Scaling Green: "New Study: Energy Efficiency Negative 'Rebound Effect' Greatly Exaggerated," Jan 24,

2013

R&D Magazine: "The 'Rebound' Effect of Energy-Efficient Cars Overplayed," Jan 24, 2013
 Huffington Post: "Nature: The Rebound Effect is Overplayed," Jan 24, 2013
 Grist (David Roberts): "Why Are Greens So Defensive About the Rebound Effect," Jan 24, 2013
 Phys.org: "Researchers Argue Energy Policy Rebound Effect is Overestimated," Jan 24, 2013
 Arstechnica: "How Badly Does the Rebound Effect Undercut Energy Efficiency?" Jan 24, 2013
 Sierra Daily: "Energy Efficiency? Why Bother?" Jan 23, 2013
 Central Valley Business Times: "'Rebound Effect' Has Little Bounce," Jan 23, 2013
 Scientific American: "Does Increased Energy-Efficiency Just Spark Us to Use More?" Jan 23, 2013
 Yahoo News: "Economist: Rebound Effect of Energy-Efficient Cars is Overplayed," Jan 23, 2013
 New York Times: "Solar Industry Borrows a Page, and a Party, from Tupperware," Dec 1, 2012
 AOL Energy: "The Psychology of Small-Scale Solar," Nov 19, 2012
 Yale Daily News: "Sandy Link to Climate Change Questioned," Nov 9, 2012
 ClimateWire: "Is Renewable Energy Contagious: Research Shows a 'Peer Effect'," Nov 5, 2012
 Huffington Post: "Solar Panel Installations More Likely In Homes With Energy Efficient Neighbors," Oct 23, 2012
 Environmental News Network: "Solar Power Adoption is Contagious," Oct 22, 2012
 R&D Magazine: "Study: Solar Power is Contagious," Oct 19, 2012
 EarthTechling.com: "The Solar Power Bug: Has Your Neighborhood Caught it?" Oct 19, 2012
 Solar Industry Magazine: "New Study Shows Solar Installations Are Contagious in Neighborhoods," Oct 19, 2012
 CleanEnergyAuthority.com: "Go Solar, it's the Neighborly Thing to Do," Oct 19, 2012
 India Talkies: "Use of Solar Panels Popularised by Example," Oct 19, 2012
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