

JOSEPH E. ALDY

ASSOCIATE PROFESSOR OF PUBLIC POLICY
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Education:

Doctor of Philosophy, Department of Economics, Harvard University, 2005
Master of Environmental Management, Nicholas School of the Environment, 1995
Bachelor of Arts, Duke University, 1993

Professional Experience:

2015-present Associate Professor of Public Policy
Harvard Kennedy School

2009-2015 Assistant Professor of Public Policy
Harvard Kennedy School
(public service leave Jan 2009 – Dec 2010; paternity leave 2012)

2011-present University Fellow / Visiting Fellow / Non-Resident Fellow
Resources for the Future

2011-present Faculty Research Fellow
National Bureau of Economic Research

2014-present Senior Adviser
Center for Strategic and International Studies

2016 Visiting Scholar
Kleinman Center for Energy Policy, University of Pennsylvania

2015 Non-Resident Fellow
Center on Global Energy Policy, Columbia University

2015 Lone Mountain Fellow
Property & Environment Research Center

2009-2010 Special Assistant to the President for Energy and Environment
National Economic Council and Office of Energy and Climate Change,
The White House

2005-2009 Fellow
Resources for the Future

2007-2008 Adjunct Assistant Professor
Department of Economics, Georgetown University

2008 Adjunct Professor
Georgetown Public Policy Institute

2007 Lecturer

1999-2000 Applied Economics Master's Program, Johns Hopkins University
 Senior Economist for the Environment and Natural Resources
 Council of Economic Advisers, Executive Office of the President

1998-1999 Senior Advisor for the Global Environment
 Council of Economic Advisers, Executive Office of the President

1997-1998 Staff Economist for the Environment and Natural Resources
 Council of Economic Advisers, Executive Office of the President

1996-1997 Economist
 Natural Resources and Environment Division, Economic Research Service

1995-1996 Associate in Research
 Nicholas School of the Environment

Other Professional Affiliations:

2011-present Faculty Chair, Regulatory Policy Program, Mossavar-Rahmani Center for
 Business and Government

2016-present Member, Advisory Committee for the Energy and Environment Program, Alfred
 P. Sloan Foundation

2016-present Member, Advisory Board, *The Environmental Forum*

2015-present Member, Editorial Advisory Panel, *Nature Energy*

2015-present Trustee, Board of Trustees, Robert and Patricia Switzer Foundation

2011-present Member, Editorial Board, *Economics of Energy and Environmental Policy*

2011-present Faculty Affiliate, Mossavar-Rahmani Center for Business and Government

2011-present Faculty Affiliate, Taubman Center for State and Local Government

2011-present Faculty Fellow, Harvard Environmental Economics Program

2011-present Faculty Associate, Harvard University Center for the Environment

2017-present Contributor, Harvard-China Project on Energy, Economy, and Environment

2008-2009 Treasurer, Association of Environmental and Resource Economists

2007-2009 Co-Director, Harvard Project on International Climate Agreements

2006-2009 Co-Director, International Energy Workshop

Awards:

2008 Nicholas School of the Environment Rising Star Alumni Award

2005 Stone Pre-Doctoral Fellowship in Environmental and Resource Policy (Winner of
 Best Paper on Environmental and Resource Policy by Harvard University
 doctoral student)

2003 Certificate of Distinction in Teaching, Harvard University

2002 Certificate of Distinction in Teaching, Harvard University

Fellowships:

2004-2005 Morris K. Udall Scholarship and Excellence in National Environmental Policy
 Foundation Fellowship

2003-2004 Repsol YPF-Harvard Kennedy School Energy Policy Fellowship

2003-2004 Switzer Foundation Environmental Fellowship

2000-2003 STAR Fellowship, U.S. Environmental Protection Agency

- 1996-1998 Presidential Management Internship, Executive Office of the President and
USDA Economic Research Service
- 1994 NNEMS Fellowship, U.S. Environmental Protection Agency

Research Grants:

- Alfred P. Sloan Foundation, "Evaluating the Performance of Energy and Environmental Regulations," Principal Investigator, 2017-2018
- Alfred P. Sloan Foundation, "Energy Policy Tradeoffs between Economics Efficiency and Distributional Equity," Research Team Member – Efficiency and Distributional Consequences of Subsidies for Energy-Efficient Appliances paper, 2016-2017
- National Science Foundation/NBER, "Boutique Fuel Markets and Security-Environment-Economic Trade-offs," Grantee under NBER Economics of Energy Markets NSF Grant, 2016-2017
- Alfred P. Sloan Foundation, "The Efficiency and Fiscal Implications of Multiple, Overlapping Energy and Environmental Policies," Principal Investigator, 2015-2017
- Alfred P. Sloan Foundation, "Durability and Adaptability in Energy Policy," Study Group Member, 2014-2016
- Electric Power Research Institute, "The Competitiveness Effects of Domestic Climate Policy: A State-Level Evaluation," Principal Investigator, 2011-2012.
- Smith Richardson Foundation Domestic Policy Fellowship, "The Competitiveness Effects of U.S. Climate Change Policy," Principal Investigator, 2009. [Note: fellowship resources could not be accepted as condition of appointment in the Obama Administration.]
- Doris Duke Charitable Foundation, "Beyond Kyoto: Designing the Post-2012 International Policy Architecture to Address Global Climate Change," Co-Principal Investigator, 2007-2009.
- Pew Center on Global Climate Change, "Competitiveness Impacts of Climate Change Mitigation Policies," Principal Investigator, 2007-2008.
- Electric Power Research Institute, "Efficient Mechanisms for U.S. Domestic Climate Policy," Principal Investigator, 2007.
- USDA Economic Research Service, "Managing Invasive Species Risks," Co-Principal Investigator, 2006-2008.

Working Papers:

["The Not-Starting-from-Scratch Problem in Climate Policy: Designing a Carbon Tax for the Real World"](#)

["Birds of a Feather: Estimating the Value of Statistical Life from Dual-Earner Families"](#)

["The Political Economy of Carbon Pricing for a 2°C World"](#)

["Evaluating a Discretionary Safety Valve: The Economic and Environmental Impacts of Waiving Fuel Content Regulations in Response to Supply Shocks"](#)

["Climate Reparations or Redistribution?"](#)

["Heterogeneity in the Value of Life" \(with Seamus J. Smyth\)](#)

["The Labor Market Impacts of the 2010 *Deepwater Horizon* Oil Spill and Offshore Drilling Moratorium"](#)

["Designing Energy and Environmental Fiscal Instruments to Improve Public Health"](#)

["The Efficiency Consequences of Heterogeneous Behavioral Responses to Energy Fiscal Policies"](#)
(with Sébastien Houde)

["Evaluating Mitigation Effort: Tools and Institutions for Assessing Nationally Determined Contributions"](#)

["Living Mitigation Plans: The Co-Evolution of Mitigation Pledge and Review"](#)

["Capital versus Output Subsidies: Implications for Alternative Incentives for Wind Investment"](#)
(with Todd D. Gerarden and Richard L. Sweeney)

["Life-Saving Information: Mortality Risk Reduction from Air Quality Forecasts"](#) (with Marie-Abele Bind)

["Information Provision and Countervailing Risks: The Case of UV-Index and Ozone Pollution Forecasts"](#)

["Learning from Experience: An Assessment of the Retrospective Reviews of Agency Rules and the Evidence for Improving the Design and Implementation of Regulatory Policy"](#)

["Distributional Consequences of Environmental and Safety Regulations: Insights from Labor Market Decisions"](#) (with Seamus J. Smyth)

["Focal Carbon Prices"](#)

["Evaluating the Paris Agreement's Mitigation Pledges with Statistical Forecasting Models"](#) (with Cuicui Chen and William A. Pizer)

["Corporate Internal Carbon Pricing and National Climate Policies"](#) (with Nuno Bento and Gianfranco Gianfrate)

["Get Your Business Carbon Ready"](#) (with Gianfranco Gianfrate) for Harvard Business Review

["Market-based Instruments"](#), solicited for Handbook of U.S. Environmental Policy

["Carbon Tax Updating"](#), for symposium in the Review of Environmental Economics and Policy

Research Papers in Progress:

["Evaluating Policy Design Options of a Carbon Border Tax Adjustment"](#) (with John Agan, Wesley Look, and Gilbert Metcalf)

“The Impacts of Power Sector Carbon Regulations on the Manufacturing Labor Market” (with William A. Pizer)

“The Additionality of the Clean Development Mechanism: A Macro Perspective” (with Gabriel Chan)

“The Climate Transparency Conundrum”

“Evaluating U.S. Regulatory Policy Performance”

“Retrospective Analysis of the Clean Air Act: What Have We Learned?” (with Max Auffhammer, Maureen Cropper, Art Fraas, and Dick Morgenstern)

“Negotiators vs. Regulators: When Should Domestic Regulations Account for Global Impacts?”

Publications – Journal Articles:

[“Comparability in Sustainability Goals: A Broader Assessment of the Paris Pledges.”](#) *Nature Climate Change*, forthcoming, with Gokul Iyer, Katherin Calvin, Leon Clarke, James Edmonds, Nate Hultman, Corinne Hartin, Haewon McJeon, and William Pizer

[“Consumers’ Response to State Energy Efficient Appliance Rebate Programs.”](#) *American Economic Journal: Economic Policy* 9(4): 227-255, with Sébastien Houde, 2017.

[“Policy Surveillance in the G20 Fossil Fuel Subsidies Agreement: Lessons for Climate Policy.”](#) *Climatic Change* 144: 97-110, 2017.

[“Designing and Updating a U.S. Carbon Tax in an Uncertain World.”](#) *Harvard Environmental Law Review* 41: 28-40, 2017.

[“Resolving the Inherent Uncertainty of Carbon Taxes: Introduction.”](#) *Harvard Environmental Law Review* 41: 1-13, with Marc Hafstead, Gilbert E. Metcalf, Brian C. Murray, William A. Pizer, Christina Reichert, and Robertson C. Williams III, 2017.

[“Frameworks for Evaluating Policy Approaches to Address the Competitiveness Concerns of Mitigating Greenhouse Gas Emissions.”](#) *National Tax Journal* 70(2): 395-420, 2017.

[“Comparing Emissions Mitigation Efforts across Countries.”](#) *Climate Policy* 17(4): 501-515, with William A. Pizer and Keigo Akimoto, 2016.

[“The Political Economy of Clinton’s Ambitious Energy Program.”](#) *Nature Energy* 1(10), 2016.

[“Economic Tools to Promote Transparency and Comparability in the Paris Agreement.”](#) *Nature Climate Change* 6(11): 1000-1004, with William Pizer, Massimo Tavoni, Lara Aleluia Reis, Keigo Akimoto, Geoffrey Blanford, Carlo Carraro, Leon E. Clarke, James Edmonds, Gokul C. Iyer, Haewon C. McJeon, Richard Richels, Steven Rose, and Fuminori Sano, 2016.

["Mobilizing Political Action on Behalf of Future Generations."](#) *The Future of Children* 26(1): 157-178, 2016.

["Alternative Metrics for Comparing Domestic Climate Change Mitigation Efforts and the Emerging International Climate Policy Architecture."](#) *Review of Environmental Economics and Policy* 10: 3-24, with William A. Pizer, 2016.

["Competitiveness Impacts of Climate Change Mitigation Policies."](#) *Journal of the Association of Environmental and Resource Economists* 2(4): 565-595, with William A. Pizer, 2015.

["Pricing Climate Risk Mitigation."](#) *Nature Climate Change* 5: 396-398, 2015.

["Review of Planetary Economics: Energy, Climate Change and the Three Domains of Sustainable Development, by Michael Grubb with Jean-Charles Hourcade and Karsten Neuhoff."](#) *Economics of Energy and Environmental Policy*, forthcoming.

["Using and Improving the Social Cost of Carbon."](#) *Science* 346: 1181-1182, with William Pizer, Matthew Adler, David Anthoff, Maureen Cropper, Kenneth Gillingham, Michael Greenstone, Brian Murray, Richard Newell, Richard Richels, Arden Rowell, Stephanie Waldhoff, and Jonathan Wiener, 2014.

["The Crucial Role of Policy Surveillance in International Climate Policy."](#) *Climatic Change* 126(3-4): 279-292, 2014.

["Risk Regulation Lessons from Mad Cows."](#) *Foundations and Trends in Microeconomics* 8(4), with W. Kip Viscusi, 2013.

["The Case for a U.S. Carbon Tax."](#) *Oxford Energy Forum* 91: 13-16, 2013.

["A Preliminary Assessment of the American Recovery and Reinvestment Act's Clean Energy Package."](#) *Review of Environmental Economics and Policy* 7(1): 136-155, 2013.

["Review of Climate Change and Common Sense: Essays in Honour of Tom Schelling, edited by Robert W. Hahn and Alistair Ulph."](#) *Journal of Regional Science* 53(1): 201-203, 2013.

["Climate Negotiators Create an Opportunity for Scholars."](#) *Science* 337: 1043-1044, with Robert N. Stavins, 2012.

["Willingness to Pay and Political Support for a U.S. National Clean Energy Standard."](#) *Nature Climate Change* 2: 596-599, with Matthew J. Kotchen and Anthony A. Leiserowitz, 2012.

["The Promise and Problems of Pricing Carbon: Theory and Experience."](#) *Journal of Environment and Development* 21(2): 152-180, with Robert N. Stavins, 2012.

["Using the Market to Address Climate Change: Insights from Theory and Experience."](#) *Daedalus* 141(2): 45-60, with Robert N. Stavins, 2012.

["Promoting Clean Energy in the American Power Sector: A Proposal for a National Clean Energy Standard."](#) *Environmental Law Reporter* 42: 10131-10149, 2012.

["Real-Time Economic Analysis and Policy Development During the BP Deepwater Horizon Oil Spill."](#) *Vanderbilt Law Review* 64(6): 1795-1817, 2011.

["The Environmental Justice Dimensions of Climate Change."](#) *Environmental Justice* 4(1): 17-25, with Marie Lynn Miranda, Douglas A. Hastings, and William H. Schlesinger, 2011.

["Designing Climate Mitigation Policy."](#) *Journal of Economic Literature* 48(4): 903-934, with Alan J. Krupnick, Richard G. Newell, Ian W.H. Parry, and William A. Pizer, 2010. Reprinted in *Economics of the Environment: Selected Readings, Sixth Edition*, R.N. Stavins, ed., W.W. Norton, 2012.

["Valuing the Risk of Death from Terrorist Attacks."](#) *Journal of Homeland Security and Emergency Management* 7(1): Article 14, with Lisa A. Robinson, James K. Hammitt, Alan Krupnick, and Jennifer Baxter, 2010.

["Introduction to the Frontiers of Environmental and Resource Economics."](#) *Journal of Environmental Economics and Management* 57(1): 1-4, with Alan J. Krupnick, 2009.

["Issues in Designing U.S. Climate Change Policy."](#) *The Energy Journal* 30(3): 179-210, with William A. Pizer, 2009.

["A Tax-Based Approach to Slowing Global Climate Change."](#) *National Tax Journal* 61: 493-517, with Eduardo Ley and Ian W.H. Parry, 2008.

["Adjusting the Value of a Statistical Life for Age and Cohort Effects."](#) *Review of Economics and Statistics* 90(3): 573-581, with W. Kip Viscusi, 2008.

["Introduction to Special Symposium on Energy and Development in Africa."](#) *Energy Policy* 36(8): 2771-2772, with Mark Howells and Leo Schrattenholzer, 2008.

["Climate Policy Architectures for the Post-Kyoto World."](#) *Environment* 50(3): 6-17, with Robert N. Stavins, 2008.

["Age Differences in the Value of Statistical Life: Revealed Preference Evidence."](#) *Review of Environmental Economics and Policy* 1(2): 241-260, with W. Kip Viscusi, 2007.

["Labor Market Estimates of the Senior Discount for the Value of Statistical Life."](#) *Journal of Environmental Economics and Management* 53(3): 377-392, with W. Kip Viscusi, 2007.

["Energy and Carbon Dynamics at Advanced Stages of Development: An Analysis of the U.S. States 1960–1999."](#) *The Energy Journal* 28(1): 91-111, 2007.

["Divergence in State-Level Per Capita Carbon Dioxide Emissions."](#) *Land Economics* 83(3): 353-369, 2007.

["Per Capita Carbon Dioxide Emissions: Convergence or Divergence?"](#) *Environmental and Resource Economics* 33(4): 533-555, 2006.

["Review of Beyond Kyoto – A New Global Climate Certificate System by Lutz Wicke."](#) *Bulletin of the American Meteorological Society* 87: 1228-1229, 2006.

["An Environmental Kuznets Curve Analysis of U.S. State-Level Carbon Dioxide Emissions."](#) *Journal of Environment and Development*, U.S. EPA Special Issue 14(1): 48-72, 2005.

["The Value of a Statistical Life: A Critical Review of Market Estimates throughout the World."](#) *Journal of Risk and Uncertainty* 27(1): 5-76, with W. Kip Viscusi, 2003.

["Thirteen Plus One: A Comparison of Global Climate Policy Architectures."](#) *Climate Policy* 3(4): 373–397, with Scott Barrett and Robert N. Stavins, 2003.

["Environmental Equity and the Conservation of Unique Ecosystems: An Analysis of the Distribution of Benefits for Protecting Southern Appalachian Spruce-Fir Forests."](#) *Society and Natural Resources* 12: 93–106, with Randall A. Kramer and Thomas P. Holmes, 1999.

["The Role of Technology in Sustaining Agriculture and the Environment."](#) *Ecological Economics* 26: 81–96, with James Hrubovcak and Utpal Vasavada, 1998.

["Unit Pricing of Residential Municipal Solid Waste: Lessons from Nine Case Study Communities."](#) *Journal of Environmental Management* 52(1): 79-93, with Marie Lynn Miranda, 1998.

"Economics of Sustainable Agriculture." *Agricultural Outlook* 238: 21-24, with Utpal Vasavada and Jim Hrubovcak, 1997.

"Recycling Jumps When Communities Use Unit Pricing for Residential Garbage." *Resource Recycling* 15(8): 27-31, with Marie Lynn Miranda, 1996.

Publications – Edited Books:

[*Post-Kyoto International Climate Policy: Implementing Architectures for Agreement.*](#) New York: Cambridge University Press, with Robert N. Stavins, 2010.

[*Post-Kyoto International Climate Policy: Summary for Policymakers.*](#) New York: Cambridge University Press, with Robert N. Stavins, 2009.

[*Architectures for Agreement: Addressing Global Climate Change in the Post-Kyoto World.*](#) New York: Cambridge University Press, with Robert N. Stavins, 2007.

Publications – Book Chapters:

["Evaluating the Performance of Regulations and Regulatory Institutions."](#) *Research Agenda for New Institutional Economics*, Claude Ménard and Mary M. Shirley, eds. Edward Elgar, forthcoming.

[“Promoting Environmental Quality through Fuels Regulations: Lessons for a Durable Energy and Climate Policy.”](#) *Lessons from the Clean Air Act: Building Durability and Adaptability into U.S. Climate and Energy Policy*, Dallas Burtraw and Ann Carlson, eds. Cambridge University Press, forthcoming.

[“Economic Instruments: The Ethics of Saving the Planet Cost-Effectively.”](#) *Routledge Companion to Environmental Ethics*, Benjamin Hale and Andrew Light, eds. Routledge, forthcoming.

[“Policy Surveillance: Its Role in Monitoring, Reporting, Evaluating and Learning.”](#) *Governing Climate Change: Polycentricity in Action?*, Harro van Asselt, Johanna Forster, David Huitema, and Andy Jordan, eds. Cambridge University Press, 2018.

[“Comparing Emission Mitigation Pledges: Metrics and Institutions.”](#) *Towards a Workable and Effective Climate Regime*, Scott Barrett, Carlo Carraro, and Jaime de Melo, eds. Fondation pour les Etudes et Recherches sur le Developpement International, with William A. Pizer, 2015.

[“Comparing Countries’ Climate Mitigation Efforts in a Post-Kyoto World.”](#) *Implementing a US Carbon Tax: Challenges and Debates*, Ian Parry, Adele Morris, and Robertson C. Williams III, eds. Routledge, with William A. Pizer, 2015.

[“Environmental Risk and Uncertainty.”](#) *Handbook of the Economics of Risk and Uncertainty*, Volume 1, Mark J. Machina and W. Kip Viscusi, eds., Elsevier, with W. Kip Viscusi, 601-649, 2014.

[“Foreword.”](#) *Toward a New Climate Agreement: Conflict, Resolution, and Governance*. Todd Cherry, Jon Hovi, and David McEvoy, eds., Routledge, 2014.

[“The Employment and Competitiveness Impacts of Power-Sector Regulations.”](#) *Does Regulation Kill Jobs?* Cary Coglianese, Adam Finkel, and Chris Carrigan, eds. Philadelphia: University of Pennsylvania Press, with William A. Pizer, 2014.

[“Eliminating Fossil Fuel Subsidies.”](#) *15 Ways to Rethink the Federal Budget*, Michael Greenstone, Max Harris, Karen Li, Adam Looney, and Jeremy Patashnik, eds. Washington, DC: The Hamilton Project, Brookings Institution, 31-35, 2013.

[“Designing a Bretton Woods Institution to Address Global Climate Change.”](#) *Handbook of Energy and Climate Change*, Roger Fouquet, ed. Cheltenham, UK: Edward Elgar, 2013.

[“Designing the Post-Kyoto Climate Regime.”](#) *The Quest for Security: Protection without Protectionism and the Challenge of Global Governance*, Mary Kaldor and Joseph Stiglitz, eds. New York: Columbia University Press, with Robert N. Stavins, 2013.

[“Introduction.”](#) *Post-Kyoto International Climate Policy: Implementing Architectures for Agreement*, Joseph E. Aldy and Robert N. Stavins, eds. New York: Cambridge University Press, 1-28, with Robert N. Stavins, 2010.

[“Lessons for the International Policy Community.”](#) *Post-Kyoto International Climate Policy: Implementing Architectures for Agreement*, Joseph E. Aldy and Robert N. Stavins, eds. New York: Cambridge University Press, 899-929, with Robert N. Stavins, 2010.

[“Introduction and Overview.”](#) *Post-Kyoto International Climate Policy: Summary for Policymakers*, Joseph E. Aldy and Robert N. Stavins, eds. New York: Cambridge University Press, 1-25, with Robert N. Stavins, 2009.

[“Lessons for the International Policy Community.”](#) *Post-Kyoto International Climate Policy: Summary for Policymakers*, Joseph E. Aldy and Robert N. Stavins, eds. New York: Cambridge University Press, 27-55, with Robert N. Stavins, 2009.

[“Comment on Jeffrey A. Frankel’s ‘Addressing the Leakage/Competitiveness Issue in Climate Change Policy Proposals.’”](#) *Climate Change, Trade and Competitiveness: Is a Collision Inevitable?* Lael Brainard and Isaac Sorkin, eds. Washington, DC: Brookings Institution Press, 83-88, 2009.

[“Towards a Post-Kyoto International Climate Policy Regime.”](#) *Beyond Copenhagen: A Climate Policymaker’s Handbook*. Juan Delgado and Stephen Gardner, eds. Brussels: Bruegel Books, 53-59, with Robert N. Stavins, 2009.

[“Introduction: International Policy Architecture for Global Climate Change.”](#) *Architectures for Agreement: Addressing Global Climate Change in the Post-Kyoto World*, Joseph E. Aldy and Robert N. Stavins, eds. New York: Cambridge University Press, 1-27, with Robert N. Stavins, 2007.

[“Architectures for an International Global Climate Change Agreement: Lessons for the Policy Community.”](#) *Architectures for Agreement: Addressing Global Climate Change in the Post-Kyoto World*, Joseph E. Aldy and Robert N. Stavins, eds. New York: Cambridge University Press, 350-367, with Robert N. Stavins, 2007.

[“Competitiveness Impacts of Carbon Dioxide Pricing Policies on Manufacturing.”](#) *Assessing U.S. Climate Policy Options*, Raymond J. Kopp and William A. Pizer, eds. Washington, DC: Resources for the Future, with Richard Morgenstern, Evan M. Herrnstadt, Mun Ho, and William A. Pizer, 95-105, 2007.

“Assessing the Costs of Regulatory Proposals for Reducing U.S. Greenhouse Gas Emissions.” *Assessing U.S. Climate Policy Options*, Raymond J. Kopp and William A. Pizer, eds. Washington, DC: Resources for the Future, 53-68, 2007.

[“Saving the Planet Cost-Effectively: The Role of Economic Analysis in Climate Change Mitigation Policy.”](#) *Painting the White House Green: Rationalizing Environmental Policy Inside the Executive Office of the President*, Randall Lutter and Jason F. Shogren, eds. Washington, DC: Resources for the Future Press, 89–118, 2004.

[“Addressing Cost: The Political Economy of Climate Change.”](#) *Beyond Kyoto: Advancing the International Effort Against Climate Change*. Arlington, VA: Pew Center on Global Climate Change, 85-110, with Richard Baron and Laurence Tubiana, 2003.

“Can Annex I Countries Meet Their Emissions Targets at Modest Costs?” *The Kyoto Commitments: Can Nations Meet Them with the Help of Technology?* C.E. Walker, M.A. Bloomfield, M. Thorning, eds. Washington, DC: American Council for Capital Formation, 67-73, 2000.

Publications – Policy Magazines, Non-Technical Papers, Op-Eds, and Reports:

[“Improving Regulatory Transparency Through Retrospective Analysis.”](#) *The Regulatory Review*, Penn Program on Regulation, 2018.

[“Trade Shifts Pollution More than Regs Shift Trade.”](#) *The Environmental Forum*, Sep/Oct 2018, 52.

[“Why a Minor Change to How EPA Makes Rules Could Radically Reduce Environmental Protection.”](#) *The Conversation*, June 2017; reprinted in the [LA Times](#), [Chicago Tribune](#), [Houston Chronicle](#), [San Francisco Chronicle](#), [Seattle Post-Intelligencer](#), [Business Insider](#), [Idaho Press-Tribune](#), New Haven Register, San Antonio Express-News, Albany Times-Union, Laredo Morning Times, [Plainview Daily Herald](#), and others.

[“Advancing Regulatory Policy to Improve the Lives of the American People.”](#) *The Regulatory Review*, Penn Program on Regulation, 2018.

[“Consumers’ Response to State Energy Efficient Appliance Rebate Programs.”](#) Cato Institute Research Briefs in Economic Policy No. 101, with Sébastien Houde, 2018.

[“Real World Policy Headwinds for Trump Climate Change Policy.”](#) *Bulletin of the Atomic Scientists* 73(6): 376-381, 2017.

[“The Political Economy of Carbon Pricing Policy Design.”](#) Harvard Project on Climate Agreements Discussion Paper ES17-7. October 2017.

[“Carbon Price Focal Points and Carbon Markets.”](#) In: R. Stavins and R. Stowe, eds., *Market Mechanisms and the Paris Agreement*, Harvard Project on Climate Agreements, October 2017.

[“Eliminating U.S. Fossil Fuel Production Subsidies.”](#) Scholars Strategy Network Policy Brief, March 2017.

[“Energy Market Shock Absorbers: Waiving Environmental Regulations in Response to Fuel Market Disruptions.”](#) Policy Digest, Kleinman Center for Energy Policy University of Pennsylvania, March 2017.

[“Curbing Climate Change Has a Dollar Value – Here’s How and Why We Measure It.”](#) *The Conversation*, March 2017; reprinted in [U.S. News and World Report](#), [Salon](#), San Francisco Chronicle, Idaho Press-Tribune, [Grist](#), [Bangor Daily News](#), Bozeman Daily Chronicle, and others.

[“The Great Swap.”](#) *Democracy*, with Will Marshall, February 2017.

[“What Trump Misses about Regulations: They Produce Benefits as Well as Costs.”](#) *The Conversation*, February 2017; reprinted in the San Francisco Chronicle, [Newsweek](#), [Louisville Courier-Journal](#), San Antonio Express-News, [Boston Business Journal](#), [Sacramento Business Journal](#), and others.

[“Transparency, Policy Surveillance, and the Comparison of Mitigation Efforts.”](#) Resources for the Future Discussion Paper 16-46, with William A. Pizer and Keigo Akimoto, November 2016.

[“Long-term Carbon Policy: The Great Swap.”](#) Published by the Progressive Policy Institute. November 2016.

[“The Role of Domestic Policy Surveillance in the Multilateral Climate Regime.”](#) In: R. Stavins and R. Stowe, eds., *The Paris Agreement and Beyond: International Climate Change Policy Post-2020*, Harvard Project on Climate Agreements, October 2016.

[“Bilateral Cooperation between China and the United States: Facilitating Progress on Climate Change Policy.”](#) Harvard Project on Climate Agreements and the National Center for Climate Change Strategy and International Cooperation, with Thomas Brewer, Chen Ji, Fu Sha, Qi Yue, Robert Stavins, Robert Stowe, Wang Pu, Xhang Xiaohua, Zheng Shuang, and Zou Ji, February 2016.

[“Comparison and Linkage of Heterogeneous Mitigation Systems in the Paris Regime.”](#) In: International Emissions Trading Association *Making Waves: Greenhouse Gas Market 2015-2016*, with Robert Stowe and Bianca Sylvester, 2015.

[“As the U.S. Heads to Climate Talks, It Seeks a Plan to ‘Trust but Verify.’”](#) *The Conversation*, November 2015; reprinted in *Fortune*, the *Christian Science Monitor*, [chinadialogue.net](#), and other media outlets, translated in [The Conversation Francais](#).

[“Need Transparency and Review Mechanisms.”](#) *The Environmental Forum*, Nov/Dec 2015, 48.

[“The Road to Paris and Beyond: Comparing Emissions Mitigation Efforts.”](#) *Resources* 189: 18-25, with William A. Pizer, 2015.

[“Heterogeneity in the Value of Life.”](#) *VoxEU*, August 14, 2014, with Seamus J. Smyth,

[“Money for Nothing: The Case for Eliminating U.S. Fossil Fuel Subsidies.”](#) *Resources* 186: 32-37, 2014.

[“OMB: Obscurity in Management and Budget?”](#) *Regulation* 36(4): 5-6, with Art Fraas and Randall Lutter, 2014.

[“Financial Regulation Sans Analysis.”](#) *Politico* Op-Ed, with Art Fraas and Randall Lutter, June 20, 2012.

- [“Promoting Clean Energy in the American Power Sector.”](#) The Hamilton Project Discussion paper 2011-04, The Brookings Institution, 2011.
- [“An Economist’s View of the Oil Spill from Inside the White House.”](#) *Resources* 177: 28-29, 2011.
- [“Competitiveness Impacts of Climate Change Mitigation Policies.”](#) Arlington, VA: Pew Center on Global Climate Change, with William A. Pizer, 2009.
- [“The Role of Technology Policies in an International Climate Agreement.”](#) Issue Paper prepared for the Climate Dialogue, September 2-3, Office of the Prime Minister, Copenhagen, Denmark, with Robert N. Stavins, 2008.
- [“What Is the Role of Carbon Taxes in Climate Change Mitigation?”](#) World Bank PREMnotes, Special Series on The Economics of Climate Change, Number 2, with Eduardo Ley and Ian W.H. Parry, July 2008.
- [“Economic Incentives in a New Climate Agreement.”](#) Issue Paper prepared for the Climate Dialogue, May 7-8, Office of the Prime Minister, Copenhagen, Denmark, with Robert N. Stavins, 2008.
- [“Climate Change and Energy Security: Lessons Learned.”](#) AICGS Policy Report 35, American Institute for Contemporary German Studies, with Camilla Bausch and Michael Mehling, 2008.
- [“Forging a Climate Agreement that Works.”](#) *Washington Post* PostGlobal Op-Ed, with Robert N. Stavins, December 17, 2007.
- [“Using Emission Fees to Curb Greenhouse Gases: A Primer.”](#) Progressive Policy Institute Policy Memo, 2007.
- [“The Strategic Petroleum Reserve: A Short-Term Response.”](#) *Resources* 163: 19-20, 2006.
- “Heating Subsidies Make a Difference in Offsetting Winter Mortality Rates Among the Poor and Elderly.” *Resources* 160: 5-6, 2006.
- [“Designing a Regime for Developing Countries that is Cost-Effective and Equitable.”](#) Paper presented at the *Leaders’ Summit on Post-Kyoto Architecture: Toward an L20?* Conference, Council on Foreign Relations, New York, NY, September 21, 2004, with Jeffrey A. Frankel.
- [“Climate Change: An Agenda for Global Collective Action.”](#) AEI-Brookings Joint Center on Regulatory Affairs Related Publication, with Peter R. Orszag and Joseph E. Stiglitz, 2001.
- [Unit Pricing Programs for Residential Municipal Solid Waste: An Assessment of the Literature.](#) [Report submitted](#) to the Climate Change Division, Office of Policy, Planning, and Evaluation, USEPA, with Miranda, Marie Lynn and Scott D. Bauer, October 1995.

A Framework for Estimating the Economic Benefits from Reduced Ambient Ozone Welfare Effects Under Alternative Secondary National Ambient Air Quality Standards. Durham, NC: Nicholas School of the Environment, Duke University. Master's Project, 1995.

Academic Seminar, Conference, and Workshop Research Presentations:

Academic Seminar, Duke University, 2018
Academic Seminar, Harvard University, 2018
Political Economy of Energy Policy: Research Frontiers Workshop, Princeton University, Princeton, NJ, 2018
Risk Guidelines for a Safer Society Symposium, Program in Law and Economics, Vanderbilt Law School, Nashville, TN, 2018
Sixth World Congress of Environmental and Resource Economists (three presentations), Gothenburg, Sweden, 2018
The Society for Benefit-Cost Analysis Annual Conference, Washington, DC, 2018
Making Border Carbon Adjustments Work in Law and Practice, The Brookings Institution, Washington, DC, 2018
AERE/American Economic Association, Annual Meeting, Philadelphia, PA, 2018
Academic Seminar, Georgetown University, 2017
Academic Seminar, Harvard Kennedy School, 2017
Strengthening Energy Policy in the Northeast Region, American Academy of Arts & Sciences, Cambridge, MA, 2017
Managing Environmental Risks: Markets, Regulation, and Adaptive Learning, Duke University and the Property and Environment Research Center, Durham, NC, 2017
Strengthening Energy Policy in the Great Lakes Region, American Academy of Arts & Sciences and Ford School of Public Policy, University of Michigan, Ann Arbor, MI, 2017
Harvard/Tufts/BP Climate Policy Workshop, London, 2017
Market Mechanisms and the Paris Agreement, Research Workshop hosted by the Harvard Project on Climate Agreements, Harvard University, Cambridge, MA, 2017
Northeast Energy Policy and Environmental Economics Workshop, Dartmouth College, Hanover, NH, 2017
AERE Summer Conference, Pittsburgh, PA (two talks), 2017
Economics of Energy Markets Workshop, National Bureau of Economic Research, Washington, DC, 2017
Carbon Mitigation Initiative Sixteenth Annual Meeting, Princeton University, Princeton, NJ, 2017
Governing Climate Change: Polycentricity in Action? Workshop, hosted by Inogov and the Netherlands Open University, Heerlen, The Netherlands, 2017
Durability and Adaptability in Energy Policy Workshop, American Academy of Arts & Sciences, Washington, DC, 2017
Saving the Planet Cost-Effectively: Ambition, Fairness, and Markets in International Climate Policy, Clough Center on the Study of Constitutional Democracy, Boston College, 2017
Academic Seminar, University of Pennsylvania, 2016
Academic Seminar, University College London, 2016
Academic Seminar, London School of Economics, 2016
Academic Seminar, University of Oxford, 2016
Academic Seminar, University of California – Berkeley, 2016
Academic Seminar, Harvard Kennedy School, 2016
Academic Seminar, Columbia University, 2016

Durability and Adaptability in Energy Policy Workshop, American Academy of Arts & Sciences, Washington, DC, 2016 (July)

International Climate Change Policy after Paris, Research Workshop hosted by the Harvard Project on Climate Agreements, Harvard University, Cambridge, MA 2016

Implementing the Climate Agreement, XXXIX MIT Global Change Forum, Massachusetts Institute of Technology, Cambridge, MA, 2016

Moving on from Paris: Implementation Lessons from Social Science, Board on Environmental Change and Society, National Academy of Sciences, Washington, DC, 2016

Global Voices on Climate Change and the Paris Agreement, Center for Global Energy Policy, Columbia University, New York, NY, 2016

Energy Policy Tradeoffs between Economic Efficiency and Distributional Equity Conference, National Bureau of Economic Research, Cambridge, MA, 2016

Environmental and Energy Economics Spring Workshop, National Bureau of Economic Research, Cambridge, MA, 2016

Economics of Energy Markets Conference, National Bureau of Economic Research, Cambridge, MA, 2016

Fighting Climate Change with the Paris COP21 Agreement: Treat or Trick?, Jackson Institute for Global Affairs and Center for Study of Globalization, Yale University, New Haven, CT, 2016

Too Little Too Late? A Discussion of the Effects of the Paris Climate Agreement, University of Pennsylvania Law School, Philadelphia, PA, 2016

Durability and Adaptability in Energy Policy Workshop, American Academy of Arts & Sciences, Washington, DC, 2016 (February)

Yale Energy and Environment Day, Yale University, New Haven, CT, 2016

Academic Seminar, Duke University, 2015

Academic Seminar, Columbia University, 2015

Academic Seminar, Boston College, 2015

Academic Seminar, Harvard University, 2015

Academic Seminar, Harvard Kennedy School, 2015

Academic Seminar, Environmental Defense Fund, 2015

National Tax Association Annual Conference, Boston, MA, 2015

BP/Harvard Kennedy School/Fletcher School Symposium on Energy Policy, Cambridge, MA, 2015

Addressing Competitiveness and Leakage Concerns in a Carbon Tax: What Are the Options? Workshop, Resources for the Future, Washington, DC, 2015

Kyoto's "Success," Copenhagen's "Failure," and Climate Policy after Paris, Stonehill College, Easton, MA, 2015

Opening Keynote Lecture, Quinto Congreso Nacional de Investigación en Cambio Climático, Universidad Nacional Autónoma de México, Mexico City, Mexico 2015

Lone Mountain Fellowship Seminar, Property & Environment Research Center, Bozeman, MT, 2015

Bilateral Cooperation between China and the United States: Facilitating Progress on Climate Change Policy, National Center for Climate Strategy and International Cooperation/National Development and Reform Commission and the Harvard Project on Climate Agreements, Beijing, China, 2015

AERE Summer Conference, San Diego, CA, 2015

Inequality and the Economic Analysis of Climate Change Workshop, Center for Law, Economics, and Public Policy, Duke University, Durham, NC, 2015

Comparison and Linkage of Mitigation Efforts in a New Paris Regime, Harvard Project on Climate Agreements/International Emissions Trading Association/World Bank, Cambridge, MA, 2015

If Fossil Fuel Subsidies Are So Bad, Why Are They So Common? Center on Global Energy Policy, Columbia University, New York, NY, 2015

The Society for Benefit-Cost Analysis Annual Conference (two presentations), Washington, DC, 2015

The Future of Children: Climate Change Workshop, Princeton University and the Brookings Institution, Princeton, NJ, 2015

Academic Seminar, Yale University, 2014

Academic Seminar, Carnegie Mellon University, 2014

Regulatory Policy Initiative Workshop, Resources for the Future, Washington, DC, 2014

Enhancing the Transatlantic Trade and Investment Partnership: Reducing Regulatory Barriers Conference, George Washington University Regulatory Studies Center, Washington, DC, 2014

Workshop on Second Generation Biofuels, Harvard Kennedy School, Cambridge, MA, 2014

BP/Harvard Kennedy School Symposium on Energy Policy, Cambridge, MA, 2014

PERC Workshop on Environmental Quality and Human Health, Bozeman, MT, 2014

World Congress of Environmental and Resource Economists, Istanbul, Turkey, 2014

Social Cost of Carbon Workshop, Duke University, Durham, NC, 2014

Spring 2014 Workshop, Center for Energy and Environmental Policy Research, MIT, Cambridge, MA, 2014

AERE/American Economic Association, Annual Meeting, Philadelphia, PA, 2014

Academic Seminar, Harvard University, 2013

Academic Seminar, Harvard Kennedy School, 2013

Workshop on Building Block Strategies for Global Climate Action, NYU Law School, New York, 2013

BP/Harvard Kennedy School Symposium on Energy, Security, and Climate Policy, Cambridge, MA, 2013

IZA Workshop on Labor Market Effects of Environmental Policies, Institute for the Study of Labor, Bonn, Germany, 2013

Health and Welfare Implications of Taxation and Subsidy Policies to Alter Non-Communicable Disease Risks, Commission on Investing in Health/Harvard Global Health Institute/Disease Control Priorities Project Workshop, Cambridge, MA, 2013

Climate Change Impacts and Integrated Assessment, Energy Modeling Forum Summer Workshop, Snowmass, CO (two presentations), 2013

AERE Summer Conference Sponsored Sessions, Banff, Canada, 2013

Mercator Institute and Harvard Project on Climate Agreements Durban Platform Workshop, Berlin, Germany, 2013

AERE/American Economic Association, Annual Meeting, San Diego, CA (two talks), 2013

Academic Seminar, Harvard Kennedy School, 2012

Academic Seminar, Resources for the Future, 2012

Power Generation and the Environment: Choices and Economic Trade-Offs, University of Wyoming, Jackson Hole, WY, 2012

BP/Harvard Kennedy School Symposium on Energy, Security, and Climate Policy, Cambridge, MA, 2012

Academic Seminar, Massachusetts Institute of Technology, 2011

Academic Seminar, Columbia University, 2011

Academic Seminar, Harvard Kennedy School, 2011
Plenary Address, International Energy Workshop hosted by the Stanford Energy Modeling Forum, Palo Alto, CA, 2011
The Future of Climate Negotiations, Policy Session sponsored by FEEM and Tilburg Sustainability Center, European Association of Environmental and Resource Economists Conference, Rome, Italy, 2011
BP/Harvard Kennedy School Symposium on Energy, Security, and Climate Policy, Cambridge, MA, 2011
Keynote Address, Rigs, Risk, and Responsibility: Conference on the BP Oil Spill, Vanderbilt Law School, Nashville, TN, 2011
Keynote Address, Association of Environmental and Resource Economists (AERE) Summer Workshop, Washington, DC, 2009
Academic Seminar, Harvard Kennedy School, 2008
Academic Seminar, Duke University, 2008
Academic Seminar, Yale University, 2008
Academic Seminar, Tsinghua University, 2008
Academic Seminar, Brookings Institution, 2008
Academic Seminar, International Monetary Fund, 2008
Academic Seminar, The World Bank, 2008
PERC Lone Mountain Forum on Markets for Land and Pollution: Implications for Environmental Justice, Big Sky, Montana, 2008
3rd Atlantic Workshop on Energy and Environmental Economics, A Toxa, Spain, 2008
American Economic Association, Annual Meeting, New Orleans, LA, 2008
Academic Seminar, Yale University, 2007
Academic Seminar, University of Minnesota, 2007
Academic Seminar, Triangle Resource and Environmental Economics Seminar (Duke/NC State University/Research Triangle Institute), 2007
Academic Seminar, University of California – Berkeley, 2007
Academic Seminar, Vanderbilt University, 2007
Academic Seminar, University of Central Florida, 2007
Academic Seminar, Carnegie Mellon University, 2007
PREISM Workshop, Economic Research Service, Washington, DC, 2007
Plenary Address, International Energy Workshop hosted by the Stanford Energy Modeling Forum, Palo Alto, CA, 2007
Global Climate Change Research Seminar, Electric Power Research Institute, Washington, DC, 2007
Forum on Global Climate Strategies Beyond 2012: The Route Ahead, Florence School of Regulation, Madrid, Spain, 2007
Climate Policy Network, Fifth Meeting, ZEW, Mannheim, Germany (two presentations), 2007
Great Decisions Lecture Series, University of North Carolina–Wilmington, Wilmington, NC, 2007
Academic Seminar, University of Kentucky, 2006
Ecological Society of America, Annual Meeting, Memphis, TN, 2006
Third World Congress of Environmental and Resource Economists, Kyoto, Japan (two presentations), 2006
Plenary Address, International Energy Workshop, hosted by the University of Cape Town Energy Research Centre, Cape Town, South Africa (two presentations), 2006
Economics of Population Health Conference, American Society of Health Economists, Madison, WI, 2006

Morbidity and Mortality: How Do We Value the Risk of Illness and Death? U.S. Environmental Protection Agency, Washington, DC, 2006
Academic Seminar, University of Maryland, 2005
Academic Seminar, Paul H. Nitze School of Advanced International Studies, 2005
Academic Seminar, Johns Hopkins University, 2005
Academic Seminar, University of California – Santa Barbara, 2005
Academic Seminar, University of California – Davis, 2005
Academic Seminar, Columbia University, 2005
Academic Seminar, Rice University, 2005
Academic Seminar, Resources for the Future, 2005
Academic Seminar, Rand Corporation, 2005
Academic Seminar, Public Policy Institute of California, 2005
Colloquium on Socioeconomic Drivers of Greenhouse Gas Emissions, U.S. Environmental Protection Agency and World Resources Institute, Washington, DC, 2005
Heartland Environmental and Resource Economics Workshop, Iowa State University, Ames, IA, 2005
Academic Seminar, Stanford University, 2004
Academic Seminar, University of Texas at Austin, 2004
Academic Seminar, Harvard University, 2004
International Energy Workshop, hosted by the International Energy Agency, Paris, France, 2004
Association of Environmental and Resource Economists (AERE) Summer Workshop, Estes Park, CO, 2004
AERE/American Economic Association Meeting, San Diego, CA (two talks), 2004
Roundtable Discussion on Benefit-Cost Analysis, Harvard Law School and Harvard Center for Risk Analysis, Cambridge, MA, 2004

Academic Conference Paper Discussant:

Northeast Workshop on Energy Policy and Environmental Economics, Columbia University, New York, 2018
The Society for Benefit-Cost Analysis Annual Conference, Washington, DC, 2018
Governing Climate Change: Polycentricity in Action? Workshop, hosted by Inogov and the Netherlands Open University, Heerlen, The Netherlands, 2017
American Economic Association, Annual Meeting, Boston, MA, 2015
National Bureau of Economic Research Summer Institute, Urban Economics Workshop, Cambridge, MA, 2014
National Bureau of Economic Research Summer Institute, Environmental and Energy Economics Workshop, Cambridge, MA, 2014
World Congress of Environmental and Resource Economists, Istanbul, Turkey, 2014
Human Adaptation to Climate Change, Lone Mountain Forum, Bozeman, MT, 2011
Climate Change, Trade, and Competitiveness Conference, Brookings Institution, Washington, DC, 2008
American Economic Association, Annual Meeting, New Orleans, LA, 2008
AERE/American Economic Association, Annual Meeting, New Orleans, LA 2008
National Bureau of Economic Research Summer Institute, Environment and Public Policy Session, Cambridge, MA, 2007
POWER Conference on Electricity Industry Restructuring, UC-Berkeley, Berkeley, CA, 2007

Strategic Options for Bush Administration Climate Policy Book Forum, American Enterprise Institute, Washington, DC 2006
Invasive Species Management: 2006 PREISM Workshop, USDA Economic Research Service, Washington, DC, 2006
Economics of Climate Change: Understanding Trans-Atlantic Differences Workshop, Resources for the Future and the British Embassy, Washington, DC, 2006
Climate Policy Network Workshop, Cambridge, MA, 2006
Workshop on Voluntary Programs, Resources for the Future, Washington, DC, 2005

Conference, Workshop, and Invited Policy Presentations:

Energy in America: The Changing Role of Energy in the U.S. Economy Workshop, Center for Strategic and International Studies, Washington, DC, 2018
Are the Promises of the Paris Climate Agreement Perishing? A Spotlight on the EU, US, and China, Center for European Studies, Harvard University, Cambridge, MA, 2018
Implementing the Paris Agreement, American Enterprise Institute, Washington, DC, 2018
Achieving Significant Emissions Reductions with Carbon Pricing Policy, Listening Sessions on Next Generation of Climate Policy, Partnership for Responsible Growth/National Wildlife Federation/Pew Charitable Trusts, Washington, DC, 2018
Dialogue on Next Generation of Climate Policy, Partnership for Responsible Growth/National Wildlife Federation/Pew Charitable Trusts, Washington, DC, 2018
Can Regulation Learn from Disaster? Lessons from Oil Spills, Nuclear Accidents, and Financial Crises, Rethinking Regulation Program at the Kenan Institute for Ethics, Duke University, Washington, DC, 2018
Carbon Pricing Policy Design, Side Event, UN Framework Convention on Climate Change Conference of the Parties, Bonn, Germany, 2017
New Developments in Regulatory Benefit-Cost Analysis Symposium, Society for Benefit-Cost Analysis/Administrative Conference of the United States, George Washington University, Washington, DC, 2017
20th Energy and Climate Research Seminar, Electric Power Research Institute, Washington, DC, 2017
Federal Energy Related Tax Policy and Its Effects on Markets, Prices, and Consumers, Hearing before the Energy Subcommittee of the Energy and Commerce Committee, U.S. House of Representatives, Washington, DC, 2017
Is There Deal Space for Carbon Pricing in 2017?, The Hoover Institution, Washington, DC, 2017
Long-term Carbon Pricing Policy: The Great Swap, Energy and Climate: The Art of the Deal? Event, Progressive Policy Institute, Washington, DC, 2016
The Paris Agreement's Transparency Framework: A Building Block for Enhanced Mitigation, Side Event, UN Framework Convention on Climate Change Conference of the Parties, Marrakech, Morocco, 2016
Transparency, Policy Surveillance, and the Comparison of Mitigation Effort, Side Event, UN Framework Convention on Climate Change Conference of the Parties, Marrakech, Morocco, 2016
Urban Policies to Implement and Finance Nationally Determined Contributions under the Paris Agreement, Side Event, UN Framework Convention on Climate Change Conference of the Parties, Marrakech, Morocco, 2016
Online Debate: COP21 – Results and Perspectives, Florence School of Regulation/European Union Institute, 2015

Merits and Challenges of Declining Discount Rates, Workshop on Discounting the Future, Council of Economic Advisers, Executive Office of the President, Washington, DC, 2015

Climate Change Series: Next Steps for Intended Nationally Determined Contributions (INDCs), Center for Strategic and International Studies, Washington, DC, 2015

Retrospective Review Workshop, Administrative Conference of the United States, Washington, DC, 2015

Fuel Subsidy Reform Workshop, Council on Foreign Relations, Washington, DC, 2015

The U.S.-China Dialogue on the Global Economic Order, Center for Strategic and International Studies and Shanghai Institutes for International Studies, Washington, DC, 2015

Looking Ahead toward Paris: International Perspectives on National Commitments (two talks), MISTRA Indigo/Embassy of Sweden/Resources for the Future, Washington, DC, 2015

Workshop on the Analysis and Management of Energy and Environmental Policy, Harvard Kennedy School and the Enel Foundation, Cambridge, MA, 2015

Effective Frameworks and Measures for Climate Change – Way to COP21, ALPS International Symposium, Research Institute of Innovative Technology for the Earth and Ministry of Economy, Trade, and Industry, Tokyo, Japan, 2015

Paris 2015: The Process and Substance of the Negotiations, Center for Strategic and International Studies, Washington, DC, 2015

Toward a Global Climate Agreement: Comparing Countries’ Levels of Effort, Resources for the Future, Washington, DC, 2015

New Methods for Comparing Mitigation Effort, Side Event, UN Framework Convention on Climate Change Conference of the Parties, Lima, Peru, 2014

Retrospective Review of Agency Rules, 61st Plenary Session, Administrative Conference of the United States, Washington, DC, 2014

Evolving Approaches for Valuing the Benefits of Consumer Protection Regulations Workshop, Consumer Financial Protection Bureau, Washington, DC, 2014

Retrospective Review of Agency Rules, Meeting of the Council of Independent Regulatory Agencies, hosted by the Administrative Conference of the United States, Washington, DC, 2014

Energy Policy: Looking Back, Looking Forward, Center for Strategic International Studies, Washington, DC, 2014

Accelerating the Transition to a Clean Energy Economy, hosted by Environmental Entrepreneurs, Boston, MA, 2014

Pricing Carbon, Babson College, Wellesley, MA, 2013

Energy: From the Last to the Next 150 Years, Sesquicentennial Symposium, Boston College, Boston, 2013

Expanded Natural Gas Production: Impacts on New Pathways for Climate Change Mitigation, Bipartisan Policy Center Series on the New Geopolitics of Petroleum and Natural Gas, Washington, DC, 2013

The Green Agenda: Electricity and the Environment, Harvard Electricity Policy Group 72nd Plenary Session, Cambridge, 2013

Understanding Regulation’s Impact on Employment, Workshop Hosted by the Penn Program on Regulation, Washington, DC, 2013

Briefing on the Results of the New Stanford Energy Modeling Forum Studies on U.S. and International Climate Policies, Architectures, and Technological Change, Washington, DC, 2013

Keynote Address, Innovation in Electricity: Challenges and Opportunities, HBS Business and Environment Conference, Cambridge, MA, 2013

15 Ways to Rethink the Federal Budget: Addressing Entitlements, Taxation, and Revenues, The Hamilton Project, The Brookings Institution, Washington, DC, 2013

Comprehensive Tax Reform and Climate Policy, Resources for the Future, Washington, DC, 2013

The Economics of Carbon Taxes Conference, American Enterprise Institute, Washington, DC, 2012

Presidential Energy Debate (Obama Campaign Surrogate), MIT Energy Initiative, Cambridge, 2012

Track 1.5 Meeting of U.S. and Chinese Experts on International Climate Policy, Hosted by the Department of State and the National Development and Reform Commission, Chicago, 2012

Harvard Thinks Green 2, Harvard University, Cambridge, 2012

Keynote Address, The Canada We Want in 2020 – Squaring the Carbon Circle, Canada2020, Ottawa, Canada, 2012

Evaluating Progress on the Climate Front, XXXIII MIT Global Change Forum, Arlington, VA, 2012

Institute of Politics 20th Bipartisan Program for Newly Elected Members of Congress, Cambridge, MA, 2012

Fiscal Reform and Climate Protection: Considering a U.S. Carbon Tax, Peterson Institute for International Economics and Resources for the Future, Washington, DC, 2011

Energy in a Carbon-Constrained World, Expogestion, Bogota, Colombia, 2011

A Federal Clean Energy Standard: Understanding Important Policy Elements, Resources for the Future, Washington, DC, 2011

Alternative Approaches to Climate Change, Aspen Energy Policy Forum, Aspen Institute, Aspen, CO, 2011

A Cleaner Way to Power? Briefing hosted by the Subcommittee on Energy and Power, Energy and Commerce Committee, U.S. House of Representatives, Washington, DC, 2011

U.S. and International Climate Change Policy Outlook, EPRI Global Climate Change Research Seminar, Washington, DC, 2011

U.S. Climate Change Policy Outlook, GTSP Annual Meeting: The Role of Technology in Addressing Climate Change, Washington, DC, 2011

State-Level Climate Policies: Lessons for National Efforts, Georgetown University Conference on Environmental Federalism: Current Issues and opportunities, Washington, DC, 2011

Promoting Clean Energy in the American Power Sector, America’s Energy Future: New Solutions to Fuel Economic Growth and Prosperity, The Hamilton Project, Washington, DC, 2011

Confronting Domestic and Global Climate Strategies, XXXI MIT Global Change Forum, Brussels, Belgium, 2010

Keynote Address, Estimating Employment Impacts of Energy and Environmental Policies and Programs: Lessons Learned and Future Directions, Nicholas Institute for Environmental Policy Solutions Workshop, Washington, DC, 2010

Keynote Address, The Unconventional Gas Revolution – Policy, Strategic, and Market Implications, Washington Energy Policy Conference, National Capital Area Chapter, U.S. Association for Energy Economics, Washington, DC, 2010

Keynote Address, U.S. Climate Policy and Its Role in Financing REDD+. Forest Carbon Finance Summit 2010, Harvard Law School/Nicholas Institute/World Wildlife Fund, Washington, DC, 2010

Keynote Address, Board of Directors Dinner, Resources for the Future, Washington, DC, 2009

The Right Climate for Agreement: Designing the Post-2012 World, Bruegel, Brussels, Belgium, 2008

An Environmental Agenda for the Next Administration, Environmental Law and Policy Program Conference, University of Michigan, Ann Arbor, MI, 2008

From Kyoto to Copenhagen: How Can the U.S. Lead on Climate Change, Progressive Policy Institute, Washington, DC, 2008

Potential for a Global Carbon Market, Carbon Markets USA Conference, Washington, DC, 2008

The Climate Dialogue hosted by Prime Minister Rasmussen, Copenhagen, Denmark, 2008

Business Environmental Leaders Council Annual Meeting, Pew Center on Global Climate Change, Washington, DC, 2008

ZEW Wirtschaftsforum, Mannheim, Germany, 2008

Addressing Climate Change: A Discussion of Policy Options Workshop, Georgetown Center for Business and Public Policy and the U.S. Climate Task Force, Washington, DC, 2008

Architectures for Agreement: Addressing Global Climate Change in the Post-Kyoto World, Briefing for United Nations Secretary-General Ban Ki-moon, United Nations, New York, NY, 2008

Post-2012 International Climate Policy Architecture for Global Climate Change Workshop, Fondazione Eni Enrico Mattei, Venice, Italy, 2008

Climate Change, Growth, and Poverty Session, PREM Conference: Inclusive and Sustainable Growth, The World Bank, Washington, DC, 2008

Architectures for Agreement: Issues and Options for Post-2012 International Climate Policy, The Future of Climate Change: A Policy Preview Workshop hosted by Resources for the Future, San Francisco, CA, 2008

International Climate Policy Seminar, Chinese Academy of Social Sciences, Beijing, China, 2008

International Climate Policy Seminar, Energy Research Institute, National Development and Reform Commission, Beijing, China, 2008

International Climate Policy Seminar, Foreign Correspondents' Club of Japan, Tokyo, Japan, 2008

International Climate Policy Seminar, 21st Century Public Policy Institute/Keidenran Workshop, Tokyo, Japan, 2008

Value of a Statistical Life Workshop, Department of Homeland Security, Washington, DC, 2008

Global Roundtable on Climate Change, Earth Institute, Columbia University, New York, 2008

What Price Energy Transformation: The Economics of Energy and Climate Change Seminar, hosted by the German Marshall Fund and EcoLogic, Washington, DC, 2008

Domestic Climate Change Policy, Energy Policy Standing Committee, U.S. Conference of Mayors Winter Meeting, Washington, DC, 2008

A Global Response to Climate Change, Presentation and Panel Discussion hosted by the Asia Society and the UN Foundation, New York, 2008

Official Side Event, UN Framework Convention on Climate Change Conference of the Parties, Nusa Dua, Bali, Indonesia, 2007

Climate Change Policy and Employment, Rockefeller Foundation Policy Impact Forum, presentations and briefings of representatives of six presidential campaigns, 2007

The Road From Bali: Strategies for Post-Kyoto Global Climate Policy, Staff Briefing on UN Climate Change Conference in Bali hosted by the Select Committee on Energy Independence and Global Warming, Washington, DC, 2007

Rethinking Climate Policy Workshop, AEI-Brookings Joint Center on Regulatory Studies, Washington, DC, 2007

Strategies for Post-2012 Global Climate Policy, Roundtable Conversation at The Centre, Brussels, Belgium, 2007

Federal Climate Policy – Design Principles and Remaining Needs Workshop, American Meteorological Society, Washington, DC, 2007

Carbon Tax vs. Cap-and-Trade, Energy Tax Workshop, McDermott, Will, and Emery LLP, Washington, DC, 2007

The Road from Bali to Copenhagen, Brookings Institution Energy Security Roundtable, Washington, DC, 2007

New Directions in Regulatory Policy, Mossavar-Rahmani Center for Business and Government, John F. Kennedy School of Government, Cambridge, MA, 2007

Kyoto at 10: What's Next for International Climate Change Policy, Breakfast Briefing for Business Community hosted by Harvard University and Resources for the Future, New York, NY 2007

Strategies for Post-Kyoto Global Climate Policy Briefing, Resources for the Future, Washington, DC 2007

Laboratory Energy R&D Working Group Meeting, Department of Energy, Washington, DC, 2007

Economics of Climate Change Briefing for Democratic Budget Group, U.S. House of Representatives, 2007

U.S. Climate Policy Forum, Resources for the Future, Washington, DC, 2007

Council of Industrial Boiler Owners Environmental Committee Meeting, Washington, DC, 2007

The Stern Review and the Economic Analysis of Climate Change, Resources for the Future, Washington, DC, 2007

Global Energy and Climate Change Policy and Research Symposium, UCLA Institute of Transportation Studies and UCLA Public Policy School, Lake Arrowhead, CA, 2006

Global Dialogue on Natural Resources, Center for Strategic and International Studies and The Dialogue—UAE, Washington, DC, 2006

Taking Measure of U.S. Energy Policy: A Review of the Energy Policy Act of 2005, Resources for the Future, Washington, DC, 2005

NCEP Climate Workshop Series: Design-Issues in Market-Based GHG Reduction Strategies, National Commission on Energy Policy, Washington, DC, 2005

Leaders' Summit on Post-Kyoto Architecture: Toward an L20?, Council on Foreign Relations, New York, NY, 2004

Beyond Kyoto: Advancing the International Effort Against Climate Change Workshop, Pew Center on Global Climate Change, Cocoyoc, Mexico, 2003

Conference and Workshop Panelist:

Presidential Panel on Climate Change, Harvard University, Cambridge, MA 2015

MIT Energy Conference, Cambridge, MA, 2013

American Economic Association, Annual Meeting, Chicago, IL, 2012

Innovative International REDD+ Partnerships Panel, High-Level Forest Climate Side Event, Avoided Deforestation Partners, COP-16, Cancun, Mexico, 2010

Strategies for Low-Carbon Growth: Challenges and Opportunities in International Finance, Resources for the Future Side Event, COP-16, Cancun, Mexico, 2010

The Road to and from Cancun, XXXI MIT Global Change Forum, Brussels, Belgium, 2010

White, Blue, and Green Jobs Report Session, *National Journal* Workforce of the Future Conference, Washington, DC, 2010

Design and Implementation of U.S. Climate Policy Conference, National Bureau of Economic Research, Washington, DC, 2010

U.S. Climate Change Policy: What's Next After Copenhagen? 2010 Energy Conference: Short-Term Stresses, Long-Term Change. U.S. Energy Information Administration Annual Conference, Washington, DC, 2010

Environmental and Energy Economics Workshop, National Bureau of Economic Research
Summer Institute, Cambridge, MA, 2009
Greenhouse Gas Emissions: What's Next? 2009 Energy Conference: A New Climate for Energy?
U.S. Energy Information Administration Annual Conference, Washington, DC, 2009
Containing Climate Change: Beyond Kyoto, Milken Institute Global Conference, Beverly Hills, CA,
2008
Science & Society: Grand Challenges – Climate Change, AAAS Symposium, Washington, DC, 2007

Seminar Organizer/Host and Conference Session Moderator/Facilitator/Host:

Regulatory Policy Seminar, Harvard Kennedy School, 2011-present
Faculty Lunch Seminar, Harvard Kennedy School, 2016
Academic Seminar, Resources for the Future, 2006-2008
AERE/American Economic Association, Annual Meeting, Philadelphia, 2018
Nudging Toward a Cleaner Future, Harvard Kennedy School, 2016
National Tax Association Annual Conference, Boston, MA, 2015
The Future of Low-Carbon Road Transport: What Role for Second-Generation Biofuels? Harvard
Kennedy School, Dearborn, MI, 2015
Climate Shock, a Book Event Conversation with Gernot Wagner, Columbia University Center for
Global Energy Policy, New York, NY, 2015
The Society for Benefit-Cost Analysis Annual Conference, Washington, DC, 2015
AERE/American Economic Association, Annual Meeting, Philadelphia, 2014
Plenary Address by Commissioner Connie Hedegaard, European Conference at Harvard
University, Boston, MA, 2013
MIT Energy Conference, Boston, MA, 2012
GreenGov Symposium, Council on Environmental Quality, Washington, DC, 2010
International Energy Workshop hosted by the International Energy Agency, Paris, France, 2008
Post-2012 International Climate Policy Architecture for Global Climate Change Workshop,
Fondazione Eni Enrico Mattei, Venice, Italy, 2008
International Energy Workshop hosted by the Stanford Energy Modeling Forum, Palo Alto, CA,
2007
Third World Congress of Environmental and Resource Economists, Kyoto, Japan, 2006
International Energy Workshop hosted by the University of Cape Town Energy Research Centre,
Cape Town, South Africa, 2006

Testimonies:

[Federal Energy Related Tax Policy and Its Effects on Markets, Prices, and Consumers](#), Hearing
before the Energy Subcommittee of the Energy and Commerce Committee, U.S. House
of Representatives, Washington, DC, 2017
[China's Energy Policies and Environmental Impacts](#), Hearing before the U.S.-China Economic and
Security Review Commission, Washington, DC, 2008
Economic Implications of Climate Policy, North Carolina Legislative Commission on Global
Climate Change, Raleigh, NC, 2006

Commencement Addresses:

[Nicholas School of the Environment](#), Duke University, Durham, NC, 2010

The Lexington School, Lexington, KY, 2010

Media – Interviews:

[U.S. Nixes G20 Climate Finance Declaration](#), *Living on Earth*, Public Radio International, 2017 (radio)

[Breaking Down Clinton's Climate Approach](#), *Living on Earth*, Public Radio International, 2016 (radio)

[Renewable Energy Boosted in Federal Budget Compromise](#), *Living on Earth*, Public Radio International, 2016 (radio)

[Energy Policy in the New Year](#), *Living on Earth*, Public Radio International, 2015 (radio)

[Why the Job Market Actually Improved after the BP Oil Spill](#), *Washington Post*, 2014 (transcript of interview; press)

[Fossil Fuel Subsidies under Fire](#), *Living on Earth*, Public Radio International, 2013 (radio)

[Saving Money with Environmental Regulation](#), *Living on Earth*, Public Radio International, 2013 (radio)

U.S. Fossil Fuel Subsidies, *Commodities*, Business News Network (Canada), 2013 (TV)

[The Economics of a Carbon Tax](#), *Living on Earth*, Public Radio International, 2012 (radio)

Energy and Climate Policy, *Power and Politics*, CBC (Canada), 2012 (TV)

On the U.S. Energy Debate, 92nd Street Y (and [Huffington Post](#)), 2012 (TV)

[America 2021: What Next on Climate? Democracy: A Journal of Ideas](#) 21: 40-58, 2011 (transcript of roundtable conversation; press)

[Q&A Joe Aldy: Climate Legislation Must Be Kept Simple](#). *Nature* 470: 451, 2011 (press)

Future of U.S. Climate Policy, *BBC World News*, BBC Radio, 2008 (radio)

Climate Policy, *Dialogue*, CCTV-9 (China state-run English language TV network), 2008 (TV)

Media – Op-Eds:

[Subsidies in the Wrong Places Skew Renewable Energy's Power](#), *New York Times* Room for Debate, May 3, 2016

[Roundtable: How Should UN Climate Talks "Ratchet" Up Emissions Cuts?](#), *ChinaDialogue.net*, December 12, 2015

[Commentary: 'Trust but Verify' Should Be a Motto of Paris Climate Talks](#), *The Christian Science Monitor*, November 2015

[As the U.S. Heads to Climate Talks, It Seeks a Plan to "Trust but Verify"](#), *The Conversation*, November 9, 2015

["Need Transparency and Review Mechanisms."](#) The Debate: How Can the U.S. Lead in Paris to Achieve a Climate Agreement We Can Live With? *The Environmental Forum*, Nov/Dec 2015

[Financial Regulation Sans Analysis](#), *Politico* Op-Ed, June 20, 2012, with Art Fraas and Randall Lutter

[Forging a Climate Agreement that Works](#), *Washington Post* PostGlobal Op-Ed, December 17, 2007, with Robert N. Stavins

Media – Quotes and Research References in Press:

Domestic Climate Policy

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Mortality Risk Valuation

[Cosmic Markdown: EPA Says Life Is Worth Less](#), *Washington Post*, July 19, 2008

Teaching Experience:

Assistant Professor of Public Policy / Associate Professor of Public Policy

API-102, Economic Analysis of Public Policy, Harvard Kennedy School, 2011–2014, 2016-2018

API-164, Energy Policy Analysis, Harvard Kennedy School, 2012–2014, 2016-2018

Adjunct Assistant Professor/Lecturer

ECON 275, Environmental Economics, Georgetown University, 2007, 2008

PPOL 727, Economics of Climate Change, Georgetown Public Policy Institute, 2008

440-632, Benefit-Cost Analysis, Johns Hopkins University, 2007

Executive Education/Short Course Instruction

Climate Change and Energy: Policy Making for the Long Term – Climate Policy and Energy Innovation Lectures (1 day), Harvard Kennedy School, 2016-2018

Berkeley Grad Camp – Economics of Climate Policy Lecture (half day), 2016

Short Course on International Economics of Climate Change (2 days), Sherman Kent School for Intelligence Analysis, 2008, 2011, 2013, 2014

Guest Lecturer

Harvard Kennedy School (2011, 2013, 2015-2018), Harvard Business School (2011-2018), University of Pennsylvania (2016), Columbia University (2011, 2014, 2015), Carnegie Mellon University (2009, 2010, 2011, 2014), Harvard Law School (2004, 2011), Massachusetts Institute of Technology (2011), Yale University (2007), ALI-ABA Climate Change and the Law Short Course (2007, 2008), Johns Hopkins University (2006), Howard University (2005), Princeton University (1999), Duke University (1998)

Teaching Fellow/Teaching Assistant

EC 970, Economics of Climate Change, Sophomore Tutorial, Harvard University, 2002, 2003
EC 1410, Public Economics, Harvard University, 2003
EC 1010a, Intermediate Microeconomics, Harvard University, 2001
ENV 270, Resource and Environmental Economics, Nicholas School of the Environment, 1994
ENV 101, Introduction to Environmental Science and Policy, Duke University, 1994, 1995 (Head TA)

Journal Referee:

American Economic Journal – Applied Economics, American Economic Journal – Economic Policy, American Economic Review, American Journal of Health Economics, B.E. Journals in Economic Analysis & Policy, Climate Policy, Climatic Change, Ecological Economics, Economics, Economics of Energy and Environmental Policy, Economics Letters, Energy Economics, Energy Policy, Environment and Development Economics, Environmental Forum, Environmental and Resource Economics, European Economic Review, European Journal of Health Economics, Foundations and Trends in Microeconomics, Global Environmental Change, Global Environmental Politics, International Economic Review, International Environmental Agreements, Journal of the Association of Environmental and Resource Economics, Journal of Benefit-Cost Analysis, Journal of Economic Theory, Journal of Environment and Development, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Health Economics, Journal of Human Resources, Journal of Legal Analysis, Journal of Policy Analysis and Management, Journal of Political Economy, Journal of Public Administration Research and Theory, Journal of Public Economics, Journal of Risk and Uncertainty, Milbank Quarterly, Nature, Nature Climate Change, Nature Communications, Nature Energy, Nature Sustainability, Proceedings of the National Academy of Sciences, Quarterly Journal of Economics, Resource and Energy Economics, Review of Economic Studies, Review of Environmental Economics and Policy, Review of Policy Research, Science, Southern Economic Journal, The Energy Journal, Water Resources Research

Reviewer:

Academic Press:
Cambridge University Press
Columbia University Press
Oxford University Press
Routledge
The Handbook of Environmental Economics, Volume IV

Government:

Council of Economic Advisers
Department of Energy
Department of Health and Human Services
Department of Transportation
Environmental Protection Agency
National Research Council
National Science Foundation
Office of Management and Budget
U.S. Carbon Cycle Science Steering Group
U.S. Global Change Research Program

Intergovernmental Organization:

Intergovernmental Panel on Climate Change
International Monetary Fund
World Bank

Foundation:

Alfred P. Sloan Foundation
Smith Richardson Foundation

NGO/Research Center:

Brookings Institution
Center on Global Energy Policy
Council on Foreign Relations
Environmental Defense Fund
Pew Center on Global Climate Change
World Resources Institute
World Wildlife Fund

Conferences and Workshops:

World Congress of Environmental and Resource Economists, 2018
National Tax Association Annual Conference, 2017
World Congress of Environmental and Resource Economists, 2014
International Energy Workshop, 2006-2008
Frontiers of Environmental Economics Conference, 2007

Fellowships:

Switzer Fellowship Program, 2015
Joseph Crump Fellowship Program, 2013-2016
Harvard Environmental Economics Program Student Prizes, 2013, 2016
Morris K. Udall Foundation Dissertation Fellowship Competition, 2007, 2008

Member:

American Economic Association
Association of Environmental and Resource Economists
International Association for Energy Economics

Society of Benefit-Cost Analysis

Other Professional Activities:

Co-Organizer (and Host 2019), Northeast Workshop on Energy Policy and Environmental Economics, 2018-2019
Organizer and Host, Regulatory Policy Seminar, Mossavar-Rahmani Center for Business and Government, Harvard Kennedy School, 2011-present
Co-Organizer and Program Committee Member, *Frontiers of Environmental Economics* Conference, Resources for the Future, Washington, DC, 2007
Organizer and Host, RFF Academic Seminar Series, 2006-2008
Member, Government Accountability Office Expert Panel on Greenhouse Gas Emissions Trading, organized by National Academy of Sciences, 2008
Member, Government Accountability Office Expert Panel on Climate Change Economics, organized by National Academy of Sciences, 2007
Member, Government Accountability Office Expert Panel on the Strategic Petroleum Reserve, organized by National Academy of Sciences, 2006
Advisor, Progressive Policy Institute Energy and Environment Project, 2006-2008
Contributor, *ClimatePolicy* blog, www.climatepolicy.org, sponsored by AMS, 2007

Consulting Experience:

Administrative Conference of the United States, American Economic Association, Boston College, Cambridge University Press, Canada2020, Cato Institute, Center for American Progress, Center for Disease Dynamics Economics and Policy, Chevron, Council on Foreign Relations, Duke University, Electric Power Research Institute, ExpoGestion 2011, Fondation pour les Etudes et Recherches sur le Développement International, Garten Rothkopf, GEMCLIME, Harvard Kennedy School, Health Canada, Hewlett Foundation, International Monetary Fund, Journal of Political Economy, Massachusetts Institute of Technology, Moore Foundation, NERA, Office of the Prime Minister of Denmark, Government of Qatar, Pew Center on Global Climate Change, Princeton University, Progressive Policy Institute, Property & Environment Research Center, Research Institute of Innovative Technology for the Earth, Resources for the Future, Rockefeller Foundation, SAIC/LEIDOS, Alfred P. Sloan Foundation, Smith Richardson Foundation, Stonehill College, The Hamilton Project, Udall Foundation, U.S. Department of Energy, U.S. Department of Health and Human Services, U.S. Department of Homeland Security, U.S. Environmental Protection Agency, University of Pennsylvania, University of North Carolina–Wilmington, Vanderbilt University, World Bank, World Wildlife Fund–United States

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