

September 2018

ADELE C. MORRIS

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EXPERIENCE

The Brookings Institution, July 2008 - present

Senior Fellow (January 2015 - present); Fellow (July 2008 - December 2014)
Policy Director for the Climate and Energy Economics Project
Economic Studies Program

Joint Economic Committee of the U.S. Congress, July 2007 - July 2008

Senior Economist, Majority (Democratic) Staff

U.S. Department of the Treasury, 1998 - 2007

Senior Economist, Office of Economic Policy
Microeconomic portfolio including climate, energy, and natural resources

White House Domestic Policy Council, April 2001 - June 2001

Interagency Climate Review Working Group, Domestic Policy Council

U.S. Department of State, May 2000 - December 2000

Special Advisor/Economist, Office of Global Change
Lead climate negotiator on land use, land use change, and forestry issues

White House Council of Economic Advisers, 1997 - 1998

Senior Economist for Environmental Affairs

White House Office of Management and Budget, 1995 - 1997

Desk Officer, Office of Information and Regulatory Affairs

Princeton University, 1991-1995

Lecturer, Woodrow Wilson School of Public and International Affairs, 1994 - 1995
Teaching Assistant, Department of Economics, 1991 - 1994

University of Maryland University College, 1988-1989

Lecturer in Mathematics, U.S. military bases in Japan

Spatial Technology, 1987-1988

Software developer for computer-aided manufacturing applications

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FIELDS OF INTEREST

Energy, natural resources, environment, and tax

EDUCATION

Princeton University	Ph.D. in Economics, 1999
University of Utah	M.S. in Mathematics, 1987
Rice University	B.S. in Mathematical Sciences & Art and Art History, 1985

SELECTED FELLOWSHIPS, GRANTS, AND HONORS

Judges' Choice Winner, MIT Center for Collective Intelligence Carbon Pricing Policy Proposal Contest 2018;
Linden Trust for Conservation Grant 2015-16, 2016-17, 2017-18, 2018-19
Judges' Choice Winner, MIT Center for Collective Intelligence Carbon Pricing Policy Proposal Contest 2014; one of three Honorable Mention prizes out of 18 contests and 600 climate proposal submissions
Laura and John Arnold Foundation Grant 2014-19
Alcoa Foundation Grant 2016-18
Listed in "100 People to Watch in the Fall," *The Hill*, 2013
National Science Foundation Grant (with the University of Nevada Las Vegas) 2013
Brookings Mountain West Fellowship 2009-2019
Alex C. Walker Foundation Grants 2012-13, 2013-14, 2014-15, 2015-16, 2016-17, 2017-18
Center for Climate and Energy Solutions Grant 2013
U.S. Department of Energy Grant 2010-12
Congressional Research Service Grant 2009
Energy Foundation Grant 2009
Individual Performance Awards, U.S. Department of the Treasury (2001, 2004, 2005, and 2006)
Superior Honor Award (Team Award): "For sustained exceptional performance in what observers agree is the most complex negotiation ever undertaken by the U.S. Government – the pursuit of a climate change agreement..." U.S. Department of State, December 2000
Special Achievement Awards: Office of Management and Budget, 1996 and 1997
Group Honor Award for Excellence: U.S. Department of Agriculture, 1997
Princeton University Fellowship, 1990-1994
P.E.O. Scholar Award 1992

PUBLICATIONS – PEER-REVIEWED JOURNAL ARTICLES

Introduction to the EMF 32 Study on U.S. Carbon Tax Scenarios. (2018) with Fawcett, A., J. McFarland, and J. Weyant (2018). *Climate Change Economics*, 9(1)

Overview of economy-wide U.S. carbon tax strategies: Results from EMF 32. (2018) with McFarland, J., A. Fawcett, J. Reilly, and P. Wilcoxon (2018). *Climate Change Economics*, 9(1)

Policy insights from the EMF 32 study on U.S. carbon tax scenarios, with A. Barron, A. Fawcett, M. Hafstead, and J. McFarland (2018). *Climate Change Economics*, 9(1)

The Role of Border Adjustments in a U.S. Carbon Tax, with W. McKibbin, Wilcoxon P., and W. Liu (2018). The role of border carbon adjustments in a U.S. carbon tax. *Climate Change Economics*, 9(1)

Reforming the U.S. coal leasing program, with Kenneth Gillingham, James Bushnell, Meredith Fowlie, Michael Greenstone, Charles Kolstad, Alan Krupnick, Richard Schmalensee, and James Stock (December 1, 2016) *Science* 354 (6316), 1096-1098.

Are New Homes Special? with N. Edward Coulson and Helen Neill, (June 2016), Are New Homes Special? *Real Estate Economics*.

Carbon Taxes and U.S. Fiscal Reform, with Warwick McKibbin and Peter Wilcoxon, *National Tax Journal*, March 2015, 68(1), pp. 139-159.

A Proposal to Integrate Price Mechanisms into International Climate Negotiations, with Warwick McKibbin and Peter Wilcoxon, *Asia and the Pacific Policy Studies*, vol. 1, no. 3 (2014), pp. 600–608.

Pricing Carbon in the United States: A Model-Based Analysis of Power Sector Only Approaches, with Warwick McKibbin and Peter Wilcoxon, *Resource and Energy Economics* 36 (2014), pp. 130-150.

Distributional Effects of a Carbon Tax in Broader U.S. Fiscal Reform, with Aparna Mathur, *Energy Policy* 66 (2014), pp. 326-334.

Clean Energy: Revisiting the Challenges of Industrial Policy, with Pietro Nivola and Charles Schultze, *Energy Economics*, Vol. 34, Supplement 1, November 2012.

The Technical Basis for Spectrum Rights: Policies to Enhance Market Efficiency, with Robert Matheson, *Telecommunications Policy* 36 (2012), pp. 783-792.

Subsidizing Energy Efficient Household Capital: How Does It Compare to a Carbon Tax? with Warwick McKibbin and Peter Wilcoxon, *The Energy Journal*, Special Issue. Strategies for Mitigating Climate Change Through Energy Efficiency: A Multi-Model Perspective, 2011.

Comparing Climate Commitments: A Model-Based Analysis of the Copenhagen Accord, with Warwick McKibbin and Peter Wilcoxon, *Climate Change Economics*, Vol. 2, No. 2 (2011), pp. 79–103.

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Spectrum Auctions: Distortionary Input Tax or Efficient Revenue Instrument?
Telecommunications Policy, Volume 29, Issues 9-10, October-November 2005, pp. 687-709.

PUBLICATIONS – EDITED VOLUME AND SPECIAL ISSUE

EMF 32 Study on U.S. Carbon Tax Scenarios. (2018) Special Issue Editor, co-edited with Fawcett, A., J. McFarland, and J. Weyant. *Climate Change Economics*, 9(1). March 2018.

Implementing a US Carbon Tax: Challenges and Debates, edited with Ian Parry and Robertson Williams, Routledge, February 2015.

PUBLICATIONS –BOOK CHAPTERS

The Distributional Burden of a Carbon Tax: Evidence and Implications for Policy, with Aparna Mathur, in *Implementing a US Carbon Tax: Challenges and Debates*, Ian Parry, Adele Morris, and Robertson Williams, eds. Routledge, February 2015.

Expecting the Unexpected: Macroeconomic Volatility and Climate Policy, with Warwick McKibbin and Peter Wilcoxon, in J. Aldy and R. Stavins, eds. *Implementing Architectures for Agreement: Addressing Global Climate Change in the Post-Kyoto World*, Cambridge University Press. 2010.

Property Tax Treatment of Farmland: Does Tax Relief Delay Land Development? in *Local Government and Land Use Policies in the United States: Understanding the Links*, Helen Ladd, ed. Edward Elgar Publishing, Ltd., January 1998.

PUBLICATIONS -- POLICY BRIEFS

Making Border Carbon Adjustments Work in Law and Practice, Brookings, July 26, 2018.

Climate Change and Monetary Policy: Dealing with Disruption, with Warwick McKibbin and Peter Wilcoxon, Brookings, December 1, 2017. (in submission)

Brief: Potential Linkages Between a U.S. Carbon Tax and the Earned Income Tax Credit, with Aparna Mathur, Urban-Brookings Tax Policy Center, July 31, 2017.

The Role of Border Adjustments in a U.S. Carbon Tax, with Warwick McKibbin and Peter Wilcoxon, Brookings, May 31, 2017.

A Carbon Tax and the Earned Income Tax Credit: An Analysis of Potential Linkages, with Aparna Mathur, Brookings, January 23, 2017. (in submission)

The Challenge of State Reliance on Revenue from Fossil Fuel Production, Brookings, August 9, 2016.

State-Level Carbon Taxes: Options and Opportunities for Policymakers, with Yoram Bauman and David Bookbinder, Brookings, July 28, 2016.

11 Essential Questions for Designing a Policy to Price Carbon, Brookings, July 8, 2016.

Build a Better Future for Coal Workers and Their Communities, Brookings, April 25, 2016.

How to Use Carbon Tax Revenue, with Donald Marron, Urban-Brookings Tax Policy Center, February 23, 2016.

How Should Governments Use Revenue from Corrective Taxes? with Donald Marron, Urban-Brookings Tax Policy Center, January 29, 2016.

China's Carbon Future: A Model-Based Analysis, with Warwick McKibbin and Peter Wilcoxon, Brookings, December 31, 2016.

Controlling Carbon Emissions from U.S. Power Plants: How a Tradable Performance Standard Compares to a Carbon Tax, with Warwick McKibbin and Peter Wilcoxon, Brookings, August 3, 2015.

Do Gasoline Prices Affect Residential Property Values? with Helen Neill, Brookings, December 4, 2014.

How the EPA Should Modify Its Proposed 111(d) Regulations to Allow States to Comply By Taxing Pollution, with Michael Wara and Marta Darby, Brookings, October 28, 2014.

Energy Perspective Paper: Benefits and Costs of the Energy Targets for the Post-2015 Development Agenda, Copenhagen Consensus Center, October 29, 2014.

Greasing the Wheels of Federal Spectrum Deals, Brookings, September 23, 2014.

The Economic Consequences of Delay in U.S. Climate Policy, with Warwick McKibbin and Peter Wilcoxon, Brookings, June 3, 2014.

A State Tax Approach to Regulating Greenhouse Gas Emissions Under the Clean Air Act, with Samuel D. Eisenberg, Michael Wara, Marta R. Darby, and Joel Minor, Brookings, May 22, 2014.

A Carbon Tax in Broader U.S. Fiscal Reform: Design and Distributional Issues, with Aparna Mathur, Center for Climate and Energy Solutions, May 2014.

Comments on Senate Finance Committee Proposal for Energy Tax Reform, Brookings, January 30, 2014.

Recommendations to the U.S. Environmental Protection Agency: Why EPA Should Offer a Price-Based Standard for Carbon Pollution from Existing Power Plants, Brookings, November 7, 2013.

The Many Benefits of a Carbon Tax, The Hamilton Project, Brookings, February 26, 2013.

A Climate Diplomacy Proposal: Carbon Pricing Consultations, with Warwick McKibbin and Peter Wilcoxon, Brookings and *Viewpoints*, The Harvard Project on International Climate Agreements, February 8, 2013.

Distributional Effects of a Carbon Tax in Broader U.S. Fiscal Reform, with Aparna Mathur, Brookings, December 14, 2012.

Bridging the Gap: Integrating Price Mechanisms into International Climate Negotiations, with Warwick McKibbin and Peter Wilcoxon, Brookings, December 3, 2012.

Achieving Comparable Efforts through Carbon Price Agreements, with W. McKibbin and P. Wilcoxon, *Viewpoints*, The Harvard Project on International Climate Agreements, Harvard University Kennedy School, December 2009.

Equity and Efficiency in Cap-and-Trade: Effectively Managing the Emissions Allowance Supply, Brookings Institution Policy Brief 09-05, October 2009.

The G-20 and Climate Change: Achieving Comparable Effort through a Carbon Price Collar, with Warwick McKibbin and Peter Wilcoxon, in *G-20 Summit: Recovering from the Crisis*, Brookings, September 2009.

A Copenhagen Collar: Achieving Comparable Effort Through Carbon Price Agreements, with Warwick McKibbin and Peter Wilcoxon, in *Climate Change Policy: Recommendations to Reach Consensus*, Brookings, September 2009.

Emerging US Climate Policies and the Prospects for Copenhagen, in *Growth 61: A Taxing Debate: Climate Policy Beyond Copenhagen*, Committee for Economic Development of Australia, August 2009.

Consequences of Alternative U.S. Cap-and-Trade Policies: Controlling Both Emissions and Costs, with McKibbin, W., P. Wilcoxon, and Y. Cai, Brookings, June 2009.

Setting the Right Green Agenda, in *Top 10 Global Economic Challenges Facing America's 44th President*, with Warwick McKibbin and Peter Wilcoxon, Brookings, October 2008.

Your Flight Has Been Delayed Again: Flight Delays Cost Passengers, Airlines, and the U.S. Economy Billions, Joint Economic Committee Majority Staff Report, May 2008.

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RESEARCH IN PROGRESS

“Do Gasoline Prices Affect Residential Property Values?” with Helen Neill and Ed Coulson.

“Global Macroeconomic Consequences of the Paris Climate Agreement,” with Warwick McKibbin, Pete Wilcoxon, and Weifeng Liu.

“Climate Transition Risks for State and Local Governments,” with Noah Kaufman and Ali Zaidi

SELECTED PRESS AND OPINION PIECES

“Why the climate challenge needs congressional action,” with Samantha Gross, Brookings, April 21, 2018.

“How to improve tax reform: a carbon tax and expanded benefits for working families,” with Aparna Mathur, American Enterprise Institute, December 8, 2017.

“Governments need a revenue system compatible with a low-carbon future,” *Las Vegas Sun* and Brookings’ *Planet Policy* blog, October 3, 2016.

“Tax carbon, California — the rest of the nation will thank you,” with Michael Wara and Jerry Taylor, *Los Angeles Times*, August 10, 2016.

“Coal economy workers need help—and a carbon tax could provide it,” Brookings’ *Planet Policy* blog, April 26, 2016.

“Beyond the Paris agreement: COP21 shouldn’t be a milestone, but rather a launching pad for a new phase of climate action,” with Bruce Jones, Brookings’ *Planet Policy* blog, December 14, 2015.

“Pricing Carbon,” with Warwick McKibbin and Pete Wilcoxon, *COP21 at Paris: What to Expect*, Brookings, December 2015.

“The science of climate is increasingly clear. Let's pivot to policy.” Brookings’ *Planet Policy* blog, October 27, 2015.

“To comply with the Clean Power Plan, states should tax carbon.” with Evan Weber, *The Hill*, September 2, 2015.

“Why the federal government should shadow price carbon,” Brookings’ *Planet Policy* blog, July 13, 2015.

“An EPA-Sanctioned State-Based Carbon Tax Could Reduce Emissions and Improve State Finances,” *Tax Vox*, the Tax Policy Center Blog, April 1, 2014.

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“CO₂ Emission Permit Prices Plunge In Europe: What's Up?” *Real Clear Markets*, May 17, 2013.

“China’s Carbon Tax Proposal Highlights the Need for a New Track of Climate Talks,” *East Asia Forum*, March 19, 2013.

“Want a Pro-Growth Pro-Environment Plan? Economists agree: Tax Carbon,” Brookings, February 7, 2013.

“Solutions to Environmental Threats: Climate Change,” in *Scientific American*, Volume 302, No. 4, p. 59, April 2010.

PROFESSIONAL SERVICE AND ACTIVITIES

Committees and Professional Organizations

Member: Association of Environmental and Resource Economists (AERE)
American Economic Association
National Tax Association

Steering Committee: Energy Modeling Forum 32: Multi-model Analyses of Clean Air Act Regulation of CO₂ from Power Plants and a US Carbon Tax with Alternative Revenue Recycling Approaches, 2014-2017

High-Level Carbon Pricing Commission (Co-Chairs: Joseph Stiglitz and Nicholas Stern) 2017

Steering Committee: Energy Future Coalition, United Nations Foundation, 2014-16

Steering Committee: Pricing Carbon Dialogues, 2014-18

Alexandria City Public Schools, Talented and Gifted Advisory Committee 2009-2013

Conference Committees and Organizing

Scientific Committee: Research Conference on Carbon Pricing, Carbon Pricing Leadership Coalition, Winter 2019

Co-Organizer of the Australian National University (ANU)/Brookings Workshop on “Disruption and Development: Alternative Futures of the Global Economy,” Brookings, February 4-5, 2019

Session organizer, World Congress of Environmental and Resource Economists, Gothenburg, Sweden, June 2018

Co-Organizer of the Australian National University (ANU)/Brookings Workshop on “The Global Economy: Drivers for the Next Decades,” Brookings, March 6-7, 2018

Organizer: Brookings workshop on “Making Border Carbon Adjustments Work in Law and Practice,” February 28, 2018

Co-Organizer of the ANU/Brookings Workshop on “The Global Economy: Drivers for the Next Decades,” held at Brookings, May 31 –June 1, 2017

Co-Organizer: Brookings event on “Carbon Pricing and the Future of Global Climate Cooperation,” April 19, 2017

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Co-Organizer: Meeting of Energy Modeling Forum 32: U.S. Study on Power Sector and Carbon Tax Scenarios, held at Brookings, February 2-3, 2017
Co-Organizer: Meeting of Energy Modeling Forum 32: U.S. Study on Power Sector and Carbon Tax Scenarios, held at Brookings, March 29-30, 2016
Co-Organizer of the ANU/Brookings Workshop on “The Global Economy by 2020: Pressures and Prospects,” held at Brookings, March 8-9, 2016
Organizer: Brookings event on “States’ implementation of EPA’s Clean Power Plan: What are the prospects and options?” February 22, 2016
Organizer: Brookings conference on “Building a Better Future for Coal Workers and Their Communities,” November 13, 2015
Co-Organizer: Meeting of Energy Modeling Forum 32: U.S. Study on Power Sector and Carbon Tax Scenarios, held at Brookings, June 9-10, 2015
Session organizer, AERE Conference, San Diego, California, 2015
Co-Organizer of the ANU/Brookings Workshop on “Growth Prospects and Fragilities in the Global Economy,” held at Brookings, March 17-18, 2015
Session organizer, National Tax Association, Spring Symposium, 2015
Organizer and Research Paper Coordinator and Editor: Brookings event on “New Directions for Public Sector Spectrum Policy,” September 23, 2014
Co-Organizer of the ANU/Brookings Workshop on “Scenarios for a Fragile Global Economy,” held at Brookings, March 4-5, 2014
Session organizer, AERE Conference, Banff, Canada 2013
Program Committee for Telecommunications Policy Research Conference 2012

Selected Invited Talks, Seminars, Presentations, and Briefings

Agricultural and Applied Economics Association 2018 annual meeting, Citizens’ Climate Lobby 2018 conference, Environmental Protection Agency workshop on transitional labor dynamics, The Peter G. Peterson Foundation 2018 Fiscal Summit, George Washington U./U.S. Association for Energy Economics 22nd annual energy policy conference, Pricing Carbon Dialogues, World Bank, Financial Times Climate Finance Summit 2018, Embassy of France, Public Leadership Education Network, Northeastern Agricultural and Resource Economics Association, League of Women Voters, EcoFiscal Commission, Partnership for Market Readiness, Hoover Institution, Cato Institute, Toronto Centre, Harvard University environmental economics seminar series, Union of Concerned Scientists, Global CCS Institute, Center for Strategic and International Studies, International Monetary Fund, U. of Vermont, Canadians for Clean Prosperity, Sustainable Business Council, Partnership for Responsible Growth, Urban-Brookings Tax Policy Center, West Virginia U., CERES, Society of Government Economists, Center for Climate and Energy Solutions, National Tax Association, *The Atlantic* Summit on the Economy, The Hamilton Project, The Brookings Institution, U.S. Congress, U.S. Chamber of Commerce, Center for Naval Analysis, Carnegie Endowment, Johns Hopkins U., Australian National U., Aspen Institute, U. of Nevada Las Vegas, Georgetown U., Grinnell College, Syracuse U., U.S. intelligence agencies, Resources for the Future, Heritage Foundation, U.S. Department of Agriculture, American Enterprise Institute, Stanford Energy Modeling Forum, American Economic Association, Association of Environmental and Resource Economists, University of Wyoming, Telecommunications Policy Research Conference, Point Carbon, American Tax Policy Institute, U.S. Association

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of Energy Economics, Environmental and Energy Study Institute, Committee for Economic Development of Australia, U.S. Agency for International Development

Referee and Reviewer

Science, Energy Policy, Journal of the Association of Environmental and Resource Economists, Energy Economics, National Academy of Sciences, Copenhagen Consensus Center, Congressional Budget Office, Climatic Change, USDA's Economic Research Service, Intergovernmental Panel on Climate Change Fourth Assessment Report, grant application review for the Smith Richardson Foundation

Selected Media Coverage

Energy and Environment News, Red Green and Blue, Spectrum News, Axios, MSNBC, CNN, Epoch Times, Fox Business, Inside Sources, U.S. News and World Report, Forbes, MIT Technology Review, Los Angeles Times, Washington Post, New York Times, Wall Street Journal, Chicago Tribune, National Public Radio, Financial Times, San Francisco Chronicle, Reuters, Bloomberg News, Las Vegas Sun, National Journal, Inside EPA, Politifact, BBC, Reason TV, The Hill, Politico, Seeker, High Country News, POWER Magazine, Christian Science Monitor, InsideClimate News, Houston Chronicle, Washington Times, Weekly Standard, VICE News, Huffington Post

Research Affiliations

Research Associate, Centre for Applied Macroeconomic Analysis, Crawford School of Public Policy, Australian National University
Urban-Brookings Tax Policy Center

Paid Consulting Relationships

Gerson Lehrman Group	2017
Climate Advisers, a Certified B Corporation	2016

Advisory Affiliations

Citizens' Climate Lobby Advisory Board	2018
Climate Advisers Trust Advisory Board	2018
Technical Advisory Group, World Bank Climate Action Peer Exchange (a consultative group for finance ministries)	2017

SELECTED LEGISLATIVE TESTIMONY

Testimony on Maryland House Bill 939, A Regional Cost Collection Initiative, Committee on Economic Matters, Maryland House of Delegates, March 5, 2018.

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SELECTED DIPLOMATIC ACTIVITIES

Editor and Lead Author: United States Submission to United Nations Framework Convention on Climate Change, *U.S. Views on Land Use, Land Use Change and Forestry*, August 1, 2000, 65 pages.

Lead U.S. negotiator: Sixth Conference of the Parties to the United Nations Framework Convention on Climate Change (COP-6), November 13-24, 2000, The Hague, Netherlands.

Lead U.S. negotiator: Subsidiary Bodies Meeting of the United Nations Framework Convention on Climate Change, June 2000 in Bonn, Germany, and September 2000 in Lyon, France.

Head of U.S. delegation: Specialized meetings under the auspices of the United Nations Framework Convention on Climate Change, 2000.