

MARY F. EVANS

The Robert Day School of Economics and Finance
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EDUCATION

Ph.D. in Economics, University of Colorado, Boulder, Colorado, December 2001.
M.A. in Economics, University of Colorado, Boulder, Colorado, May 1999.
B.A. in Economics and French, James Madison University, Harrisonburg, Virginia, May 1997;
Summa cum laude and Outstanding Graduate in Economics.

ACADEMIC APPOINTMENTS

Jerrine and Thomas Mitchell '66 Professor of Environmental Economics and George R. Roberts
Fellow, The Robert Day School of Economics and Finance, Claremont McKenna College
(February 2018 – present)
Jerrine and Thomas Mitchell '66 Associate Professor of Environmental Economics and George
R. Roberts Fellow, The Robert Day School of Economics and Finance, Claremont
McKenna College (May 2010 – February 2018)
Associate Professor, The Robert Day School of Economics and Finance, Claremont
McKenna College (July 2009 – May 2010)
Associate Professor, Department of Economics, University of Tennessee, Knoxville (June
2009 – June 2010, on leave)
Assistant Professor, Department of Economics, University of Tennessee, Knoxville (August
2003 – June 2009)
Faculty Fellow, Center for Business and Economic Research, University of Tennessee,
Knoxville (January 2006 – June 2009)
Postdoctoral Fellow, Center for Environmental and Resource Economic Policy, North
Carolina State University, Raleigh (October 2001 – August 2003)

EDITORIAL POSITIONS

Co-Editor, *Journal of the Association of Environmental and Resource Economists* (January 2017 –
August 2020)
Member, Editorial Council, *Journal of Environmental Economics and Management* (June 2016 –
present, January 2011 – April 2015)
Member, Editorial Council, *Journal of the Association of Environmental and Resource
Economists* (May 2014 – December 2016)
Associate Editor, *Journal of Economic Behavior and Organization* (February 2011 – December
2015)

December 28, 2020

Guest editor, *Journal of Economic Behavior and Organization*, special issue on Identification of Causal Effects in Environmental and Energy Economics, 2014.

PROFESSIONAL ACTIVITIES

Member, Board of Directors, Association of Environmental and Resource Economists (January 2018 – present)
Member, AERE Mentoring Program Committee (October 2020 – present)
Founding Co-Chair, Executive Committee, External Environmental Economics Advisory Committee (E-EEAC) (September 2018 – present). Website: <https://www.e-eeac.org/>
Committee Member, U.S. Environmental Protection Agency Science Advisory Board, Environmental Economics Advisory Committee (EEAC) (November 2012 – May 2018¹)
Chair of organizing committee for 8th Annual Southern California Conference in Applied Microeconomics (SoCCAM), April 2017.
Chair of organizing committee for 7th Annual Southern California Conference in Applied Microeconomics (SoCCAM), April 2016.
Co-Chair of organizing committee for the Association of Environmental and Resource Economists (AERE) 4th Annual Summer Conference, June 2015.
Review Committee, Krutilla Fellowship, Resources for the Future (March 2017)
Senior mentor, CeMENT Mentoring Workshop for Faculty in Non-Doctoral Programs, New Orleans, LA (November 2015)
Chair of program committee for the Association of Environmental and Resource Economists (AERE), January 2008 – December 2008 (member of committee January 2006 - December 2007)

ACADEMIC PUBLICATIONS (peer-reviewed)

* denotes undergraduate student co-author

Aldy, Joseph, Matthew Kotchen, **Mary Evans**, Meredith Fowlie, Arik Levinson, and Karen Palmer, Retrospective Analysis in an Era of Deregulation—Lessons from MATS, *Review of Environmental Economics and Policy*, Forthcoming.

Aldy, Joseph, Matthew Kotchen, **Mary Evans**, Meredith Fowlie, Arik Levinson, and Karen Palmer, Co-Benefits and Regulatory Impact Analysis: Theory and Evidence from Federal Air Quality Regulations, *Environmental and Energy Policy and the Economy*, Volume 2, Forthcoming.

Evans, Mary F., and Laura O. Taylor, Using Revealed Preference Methods to Estimate the Value of Reduced Mortality Risk: Best Practice Recommendations for the Hedonic Wage Model, *Review of Environmental Economics and Policy* 14(2): 282-301, 2020.

Aldy, Joseph, Matthew Kotchen, **Mary Evans**, Meredith Fowlie, Arik Levinson, and Karen Palmer, Deep Flaws in a Mercury Regulatory Analysis, *Science* 368 (6488): 247-248, 2020.

¹ EPA's Science Advisory Board voted to retire the EEAC on May 31, 2018.

December 28, 2020

Evans, Mary F., and Sarah L. Stafford, The Clean Air Act Watch List and Federal Oversight of State Enforcement Efforts, *Journal of Environmental Economics and Management* 93: 170-184, 2019.

Brady, Jacob*, **Mary F. Evans**, and Eric W. Wehrly, Reputational Penalties for Environmental Violations: A Pure and Scientific Replication Study, *International Review of Law and Economics* 57: 60-72, 2019.

Evans, Mary F., Scott M. Gilpatric, and Jay P. Shimshack, Enforcement Spillovers: Lessons from Strategic Interactions in Regulation and Product Markets, *Journal of Law and Economics* 61(4): 739-769, 2018.

Evans, Mary F., and Scott M. Gilpatric, Abatement, Care, and Compliance by Firms in Financial Distress, *Environmental and Resource Economics* 66: 765-794, 2017.

Evans, Mary F., The Clean Air Act Watch List: An Enforcement and Compliance Natural Experiment, *Journal of the Association of Environmental and Resource Economists* 3(3): 627-665, 2016. Winner of the 2016 Ralph C. d'Arge and Allen V. Kneese Award for Outstanding Publication in the *Journal of the Association of Environmental and Resource Economists*.

Evans, Mary F., Eric Helland, Jonathan Klick, and Ashwin Patel, The Developmental Effect of State Alcohol Prohibitions at the Turn of the 20th Century, *Economic Inquiry* 54(2): 762-777, 2016.

Evans, Mary F., Lirong Liu, and Sarah Stafford, Standardization and the Impacts of Voluntary Program Participation: Evidence from Environmental Auditing, *International Review of Law and Economics* 43: 10-21, 2015.

Evans, Mary F., Matthew J. Kotchen, and Christian A. Vossler, The Identification of Causal Effects in Environmental and Energy Economics, *Journal of Economic Behavior and Organization* 107: 173-175, 2014 (Introduction to special issue of the journal on the Identification of Causal Effects in Environmental and Energy Economics).

Evans, Mary F., Lirong Liu, and Sarah Stafford, Do Environmental Audits Improve Long-term Compliance: Evidence from Manufacturing Facilities in Michigan, *Journal of Regulatory Economics* 40(3): 279-302, 2011.

Evans, Mary F., Christine Poulos, and V. Kerry Smith, Who Counts in Evaluating the Effects of Air Pollution Policies on Households? Non-Market Valuation in the Presence of Dependencies, *Journal of Environmental Economics and Management* 62(1): 65-79, 2011. (Related NBER Working Paper 15366, <http://www.nber.org/papers/w15366>)

Fitzhugh, Eugene C., David R. Bassett, Jr., and **Mary F. Evans**, Urban Trails and Physical Activity: A Natural Experiment, *American Journal of Preventive Medicine* 39(3): 259-262, 2010.

Evans, Mary F. and Georg Schaur, A Quantile Estimation Approach to Identify Income and Age Variation in the Value of Statistical Life, *Journal of Environmental Economics and Management* 59(3): 260-270, 2010.

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Evans, Mary F. and V. Kerry Smith, Measuring How Risk Tradeoffs Adjust with Income *Journal of Risk and Uncertainty* 40 (1): 33-55, 2010. (Related NBER Working Paper 13722, <http://papers.nber.org/papers/w15372>)

Smith, V. Kerry, **Mary F. Evans**, H. Spencer Banzhaf, and Christine Poulos, Can Weak Substitution Be Rehabilitated?, *Environmental and Resource Economics* 45(2): 203-221, 2010. (Related NBER Working Paper 13903, <http://papers.nber.org/papers/w13903>).

Vossler, Christian A. and **Mary F. Evans**, Bridging the Gap between the Field and the Lab: Environmental Goods, Policy Maker Input, and Consequentiality, *Journal of Environmental Economics and Management* 58: 38-345, 2009.

Evans, Mary F., Scott M. Gilpatric, and Lirong Liu, Regulation with Direct Benefits of Information Disclosure and Imperfect Monitoring, *Journal of Environmental Economics and Management* 57: 284-292, 2009.

Evans, Mary F., Christian A. Vossler, and Nicholas E. Flores, Hybrid Allocation Mechanisms for Publicly Provided Goods, *Journal of Public Economics* 93: 311-325, 2009.

Evans, Mary F. and V. Kerry Smith, Complementarity and the Measurement of Individual Risk Tradeoffs: Accounting for Quantity and Quality of Life Effects, *Environmental and Resource Economics*, 41(3): 381-400, 2008. (Related NBER Working Paper 13722, <http://papers.nber.org/papers/w13722>)

Evans, Mary F., Scott M. Gilpatric, Michael McKee, and Christian A. Vossler, Managerial Incentives for Compliance with Environmental Information Disclosure Programs, in "Experimental Methods, Environmental Economics" Routledge, UK (eds. T. Cherry, J. Shogren, and S. Kroll), 244-260, 2008.

Evans, Mary F. and V. Kerry Smith, Do We Really Understand the Age-VSL Relationship?, *Resource and Energy Economics* 28: 242-261, 2006.

Evans, Mary F. and V. Kerry Smith, Do New Health Conditions Support Mortality-Air Pollution Effects?, *Journal of Environmental Economics and Management* 50(3): 496-518, 2005.

Smith, V. Kerry, **Mary F. Evans**, Hyun Kim, and Donald H. Taylor, Jr., Do the "Near" Elderly Value Mortality Risks Differently?, *Review of Economics and Statistics* 86(1): 423-429, 2004.

Smith, V. Kerry and **Mary F. Evans**, Economic Implications of Hormesis: Some Additional Thoughts, *Human and Experimental Toxicology* 23: 285-287, 2004 (also published in *BELLE Newsletter* March 2004).

Evans, Mary F., Nicholas E. Flores, and Kevin Boyle, Multiple Bounded Uncertainty Choice Data as Probabilistic Intentions, *Land Economics* 79(4): 549-560, 2003.

OTHER PUBLICATIONS

December 28, 2020

Evans, Mary F., Assessing the State of Tennessee's Environment, in 2007 Economic Report to the Governor of the State of Tennessee, Center for Business and Economic Research, University of Tennessee, Knoxville.

Evans, Mary F., Externalities, in *Environmental and Natural Resource Economics: An Encyclopedia*, T. Haab and J. Whitehead (eds.), ABC-CLIO Inc., 2014.

Aldy, Joseph, Matthew Kotchen, **Mary Evans**, Meredith Fowlie, Arik Levinson, and Karen Palmer, Report on the Proposed Changes to the Federal Mercury and Air Toxics Standards, External Environmental Economics Advisory Committee report, December 2019, <https://www.e-eeac.org/mats-report>

DeShazo, J.R., and **Mary Evans**, To Celebrate EPA's 50th Birthday, Re-Elevate Science, op-ed, Morning Consult, December 2, 2020, <https://morningconsult.com/opinions/to-celebrate-the-epas-50th-birthday-re-elevate-science/>

WORKS IN PROGRESS

Evans, Mary F., Laura Grant, Vasu Rai*, and Allison So*, Enforcement Discretion during the COVID-19 Public Health Crisis.

Evans, Mary F., Matthew C. Harris, and Lawrence M. Kessler, The Hazards of Unwinding the Prescription Opioid Epidemic: Implications for Child Abuse and Neglect, Under review.

Blundell, Wesley, Mary F. Evans and Sarah L. Stafford, Regulating Hazardous Wastes under U.S. Environmental Federalism: The Role of State Resources, Under review.

Colmer, Jonathan, Mary F. Evans, and Jay P. Shimshack, Citizen Complaints, Regulator Behavior, and Air Pollution Emissions: Evidence from Texas.

FUNDING

Low Institute of Political Economy Faculty-Student Research Grant 2020, Enforcement Discretion during COVID-19.

Sloan Foundation, Proposal for Establishing an External Environmental Economics Advisory Committee, March 2019-February 2012, \$50,000.

Low Institute of Political Economy Faculty-Student Research Grant 2016, Changes in the Value of a Mortality Risk Reduction over the Past Three Decades.

The John Randolph and Dora Haynes Foundation, The Governance of Water Pollution Dischargers in Los Angeles: Evaluating the Effectiveness of a New Enforcement Strategy, September 2014-2016, \$110,886.

Low Institute of Political Economy Faculty-Student Research Grant 2015, Strategic Interactions in the Regulatory Environment and Output Market: Implications for General Deterrence

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Low Institute of Political Economy Faculty-Student Research Grant 2012, Are Firms Gaming the TRI? Evidence from Revision Data

Low Institute of Political Economy Faculty-Student Research Grant 2011, Air Quality, Caregiving Needs, and the Location Decisions of Older Adults.

Low Institute of Political Economy Faculty-Student Research Grant 2010 (with Eric Helland), The Impact of Fetal Alcohol Exposure: Evidence from the End of Prohibition.

Bridging the Gap between the Field and the Lab: Environmental Goods, Policy Maker Input, and Consequentiality. University of Tennessee Professional Development Award, May 2007-May 2008, \$5000.

Effects of Urban Greenway Construction on Pedestrian and Cyclist Injury Rates, Travel Patterns, and Estimated Vehicular Emissions. With Eugene Fitzhugh and David Bassett, Southeastern Transportation Center, May 2007-May 2008, \$54,000.

The Effects of Financial Distress, Organizational Structure, and Auditing Rules on Firm Emissions and Compliance with Environmental Information Disclosure Programs. With Scott Gilpatric, Mike McKee, and Christian Vossler, U.S. Environmental Protection Agency Science to Achieve Results, January 2006-December 2008, \$299,973.

The Economics of Environmental Vulnerability: Epidemiology, Household Status, and Air Pollution. With V. Kerry Smith and Christine Poulos, U.S. Environmental Protection Agency Science to Achieve Results, January 2005-January 2008, \$399,549.

Improving the Built Environment: A Longitudinal Study of Greenway Construction. With Eugene Fitzhugh and David Bassett, University of Tennessee, Office of Research, April 2005-May 2005, \$45,000.

CONFERENCES

Association of Environmental and Resource Economists (AERE) Annual Summer Conference (2019, 2017, 2016, 2015, 2013, 2011); World Congress of Environmental and Resource Economists (2018, 2010, 2006, 2002); Camp Resources (2008, 2002, 2001); University of Colorado Environmental and Resource Economics Workshop (2006, 2002, 2001); Western Economic Association International Annual Conference (2017); Allied Social Science Association Annual Meeting (2015, 2007); Southern California Conference in Applied Microeconomics (2015); Southern Economic Association Annual Meeting (2008); Society for Risk Analysis Annual Meeting (2007); HRS and PSID Workshop (2010); U.S. EPA NCER/NCEE Workshop (2006); U.S. EPA and University of Central Florida Workshop (2003)

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INVITED SEMINARS

Williams College (2019); EPA OECAx (2018); Claremont Graduate School (2017); Triangle Resources and Environmental Economics Seminar Series (TREE) (2016, 2007); University of California Davis (2015); Claremont McKenna College(2014, 2008); EPA NCEE (2012); California Polytechnic State University (2011); University of California San Diego (2010); University of Kentucky (2009); Georgia State University (2005); University of Central Florida (2003); Appalachian State University (2002); North Carolina State University (2002); Rocky Mountain Forest and Range Experiment Station (2000)

HONORS

Ralph C. d'Arge and Allen V. Kneese Award for Outstanding Publication in the *Journal of the Association of Environmental and Resource Economists*, 2016.

Reuben A. Zubrow Graduate Fellowship for the Teaching of Economics, Department of Economics, University of Colorado, 2000.

Beverly Sears Graduate Student Grant, University of Colorado, 2000.

Wesley Yordon Award, Department of Economics, University of Colorado, 1999.

OTHER PROFESSIONAL SERVICE

Member: American Economic Association, Association of Environmental and Resource Economists

Conference paper selection committee (program committee) for Conference on Empirical Legal Studies (2019), All-California Labor Economics Conference (2012), American Agricultural Economics Association Annual Meeting (2006, 2012, 2013), Association of Environmental and Resource Economists Summer Conference (2011, 2012, 2013, 2015, 2019), European Association of Environmental and Resource Economists Annual Conference (2011), World Congress of Environmental and Resource Economics (2014, 2018)

Ad-hoc Reviewer for American Journal of Agricultural Economics, Contemporary Economic Policy, Ecological Economics, Economic Inquiry, Environmental and Resource Economics, European Review of Agricultural Economics, Health Economics, International Review of Law and Economics, Journal of Applied Econometrics, Journal of the Association of Environmental and Resource Economists, Journal of Benefit-Cost Analysis, Journal of Economic Behavior and Organization, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Policy Analysis and Management, Journal of Public Economics, Journal of Public Economic Theory, Journal of Risk and Uncertainty, Proceedings of the National Academy of Sciences, Resource and Energy Economics, Review of Economics and Statistics, Review of Environmental Economics and Policy, Scandinavian Journal of Economics, Strategic Behavior and the Environment

UNIVERSITY AND DEPARTMENTAL SERVICE

Member, Faculty Steering Committee for the Presidential Initiative, August 2020 – present

Member, Science Founding Chair Search and Visioning Committee, June 2019 – present

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Program Coordinator, Environment, Economics, and Politics (EEP) major, Claremont McKenna College, 2015 – present
Member of Appointment, Promotion, and Tenure Committee, Claremont McKenna College, August 2018 – present
Member of Sustainability Fund Committee, 2018 – present
Convocation Speaker, 2017
Member of Institutional Review Board, Claremont McKenna College, August 2014 – June 2018; Chair, August 2015 – June 2018
Member of Board of Trustees Academic Affairs Committee, Claremont McKenna College, August 2010 – December 2014
Member of Environmental Concerns Committee, Claremont McKenna College, August 2010 – 2012, August 2014 – December 2014
Member of University of Tennessee Obesity Research Center (UTORC) Steering Committee, September 2007 – May 2009
Department of Economics Undergraduate Committee, University of Tennessee, 2003 – 2004
Department of Economics Graduate Committee, University of Tennessee 2004 – 2009

TEACHING

COURSES TAUGHT

At Claremont McKenna College

Principles of Economic Analysis, Economics 50 (Fall 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020)
Environmental Economics, Economics 171 (Spring 2010, 2011, 2013, 2014, 2016, 2017, 2018, 2020; Fall 2018)
Modeling Climate Change through Economic and Natural Science Lenses, Econ 90, co-taught with Branwen Williams (Fall 2020)

At the University of Tennessee

Honors: Introductory Economics, Economics 207, Undergraduate (Fall 2007, 2008)
Analysis of Economic Problems, Economics 499, Undergraduate (Fall 2003, 2005, 2006; Spring 2004, 2006)
Economics of Resources and Environmental Policy, Economics 362, Undergraduate (Spring 2004, 2006, 2008, Fall 2004)
Environmental Economics, Economics 463, Undergraduate (Spring 2007, 2008, 2009)
Economics of Environmental Policy, Economics 678, Graduate (Spring 2005; Fall 2006, 2008)

STUDENTS ADVISED

Ph.D. Students:

Alejandro Dellachiesa (Committee member, Economics, University of Tennessee)
Lirong Liu (Committee member, Economics, University of Tennessee)
Jill Collins (Committee member, Economics, University of Tennessee)
Aaron Wells (Committee member, Forestry, University of Tennessee)

Masters Students:

Xiaowen Liu (Committee member, Agricultural Economics, University of Tennessee)
Ryan Burchfield (Committee member; Exercise, Sport, and Leisure Studies, University of Tennessee)

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Undergraduate Students:

Connor Bloom, Jacob Brady, Maximilian Breitbarth, Alex Brussell, Spencer Burget, Timothy Burke, Deedee Chao, Andrew Clary, Benjamin Culberson, Stephan Gonzalez, Sean Houseworth, Shirley Jiang, Alex Kalish, James Keneally, Evelyn Mittler, Evan Otis, Daniel Picciotto, Lude Rong, Joshua Siegel, Sean Smith, Erin Tully, Jincy Varughese, Samuel Willett, Shutian Xu (Senior thesis reader, Claremont McKenna College)
Lindsay Brown, Chris Cziesla, Judy Li, Margaret Loncki (Second senior thesis reader, Claremont McKenna College)
Devon Scott (Second senior thesis reader, Scripps Collage),
Keith Brakebill (Committee chair, College Scholars Program, University of Tennessee)
Eric Harkness (Committee member, College Scholars Program, University of Tennessee)