

Matthew J. Kotchen

Curriculum Vitae

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Contact Information

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Education

Ph.D. Economics, University of Michigan, 2003
M.S. Resource Policy and Behavior, University of Michigan, 2003
M.S. Resource Economics and Policy, University of Maine, 1997
B.A. Environmental Studies, University of Vermont, 1993

Academic and Research Appointments

Yale University, New Haven, CT

Associate Professor of Economics, School of Forestry & Environmental Studies, 2009-
Courtesy appointments Yale School of Management and Department of Economics, 2010-

National Bureau of Economic Research (NBER), Cambridge, MA

Faculty Research Fellow, Public Economics and Environmental and Energy Economics, 2007-
Member, Environmental Economics Working Group, 2005-07

University of California, Santa Barbara, CA

Associate Professor, Bren School of Environmental Science & Management, 2009-10
Assistant Professor, 2005-09, and courtesy appointment in the Department of Economics

Stanford University, Stanford, CA

Visiting Assistant Professor, Department of Economics, 2008-09

University of California Energy Institute (UCEI), Berkeley, CA

Visiting Researcher, 2008-09

Resources for the Future (RFF), Washington, DC

Visiting Scholar, summer 2008

Williams College, Williamstown, MA

Assistant Professor, Department of Economics, 2003-05

Affiliations: Center for Development Economics, Environmental Studies, Maritime Studies

Fellowships and Recognitions

Distinguished Visiting Scholar, Vanderbilt University School of Law, Sept. 2007

Ayers Brinser Award, University of Michigan, 2003

Mans-Spector Fellowship, University of Michigan, 2002-03

Science to Achieve Results (STAR) Graduate Fellowship, U.S. EPA, 1999-02
Outstanding Graduate Student Teaching Award, SNRE, University of Michigan, 2000

Competitive Grants

Yale Center for Business and Environment, PI, 2011-12
Founding Grant for UC Center for Energy and Environmental Economics, Co-PI, 2009-
University of California Energy Institute, PI, 2007-08
U.S. Environmental Protection Agency, PI, 2000-02
Michigan Department of Environmental Quality, PI, 2000-02

Academic Journal Articles

The Behavioral Response to Voluntary Provision of an Environmental Public Good: Evidence from Residential Electricity Demand, *European Economic Review*, conditional acceptance, with G. Jacobsen and M. Vandenbergh.

Controlling for Habitat Variability Confirms Robust Reserve Effects and Gradients of Abundance Near Borders for California Spiny Lobster, *Marine Ecology Progress Series*, conditional acceptance, with M. Kay, H. Lenihan, and C. Miller.

Do Building Codes Save Energy? Evidence from Residential Billing Data in Florida, *The Review of Economics and Statistics*, forthcoming, with G. Jacobsen.

Business Cycle Effects on Concern About Climate Change: The Chilling Effect of Recession, *Climate Change Economics*, forthcoming, with M. Kahn.

Green Clubs, *Journal of Environmental Economics and Management*, forthcoming, with K van 't Veld.

Does Daylight Saving Time Save Energy? Evidence from a Natural Experiment in Indiana, *The Review of Economics and Statistics*, forthcoming, with L. Grant.

A Free Lunch in the Commons, *Journal of Environmental Economics and Management*, 61 (2011) 245-253, with S. Salant.

Explaining the Price of Voluntary Carbon Offsets, *Climate Change Economics*, 1 (2010) 93-111, with M. Conte.

Voluntary Provision of Public Goods for Bads: A Theory of Environmental Offsets, *Economic Journal*, 119 (2009) 883-899.

A Meta-Analysis of Cost of Community Service Studies, *International Regional Science Review*, 32 (2009) 376-399, with S. L. Schulte.

Grades, Course Evaluations, and Academic Incentives, *Eastern Economic Journal*, 36 (2010) 151-163, with D. A. Love.

Pharmaceuticals in Wastewater: Behavior, Preferences, and Willingness to Pay for a Disposal Program, *Journal of Environmental Management*, 90 (2009) 1476-1482 with J. Kallaios, K. Wheeler, C. Wong, M. Zahller.

- The Effect of Geomorphic Channel Restoration on Streamflow and Groundwater in a Snow-Melt Dominated Watershed, with C Tague and S. Valentine, *Water Resources Research*, 44 (2008) .
- The Effects of Environmental Conditions and Reef Structure on Coral Bleaching, with H. Lenihan, M. Adjeroud, J. Hench, T. Nakamura, *Marine Ecology Progress Series*, 270 (2008) 127-141.
- Conservation: From Voluntary Restraint to a Voluntary Price Premium, *Environmental and Resource Economics*, 40 (2008) 195-215, with M. R. Moore.
- Equilibrium Existence and Uniqueness in Impure Public Good Models, *Economics Letters*, 97 (2007) 91-96.
- Should We Drill in the Arctic National Wildlife Refuge? An Economic Perspective, *Energy Policy*, 35 (2007) 4720-29, with N. E. Burger.
- Private Provision of Environmental Public Goods: Household Participation in Green-Electricity Programs, *Journal of Environmental Economics and Management*, 23 (2007) 1-16, with M. R. Moore.
- Relating Environmental Attitudes and Contingent Values: How Robust Are Methods for Identifying Preference Heterogeneity? *Environmental and Resource Economics*, 37 (2007) 757-75, with G. Aldrich, K. Grimsrud, and J. Thacher.
- Meeting the Challenges of the Anthropocene: Toward a Science of Coupled Human-Biophysical Systems, *Global Environmental Change*, 17 (2007) 149-51, with O. R. Young.
- Green Markets and Private Provision of Public Goods, *Journal of Political Economy*, 114 (2006) 816-34.
- Explaining the Appearance and Success of Voter Referenda for Open-Space Conservation, *Journal of Environmental Economics and Management*, 52 (2006) 373-90, with S. M. Powers.
- Environmental Constraints on Hydropower: An Ex-Post Benefit-Cost Analysis of Hydroelectric Relicensing in Michigan, *Land Economics*, 82 (2006) 389-403, with M. R. Moore, F. Lupi, and E. Rutherford.
- Impure Public Goods and the Comparative Statics of Environmentally Friendly Consumption, *Journal of Environmental Economics and Management*, 49 (2005) 281-300.
- Internal and External Influences on Pro-Environmental Behavior: Participation in a Green Electricity Program, *Journal of Environmental Psychology*, 23 (2003) 237-46, with C. F. Clark and M. R. Moore.
- Environmental Attitudes, Motivations, and Contingent Valuation of Nonuse Values: A Case Study Involving Endangered Species, *Ecological Economics*, 32 (2000) 93-107, with S. D. Reiling.
- Do Reminders of Budget Constraints and Substitutes Influence Contingent Valuation Estimates? Another Comment, *Land Economics*, 75 (1999) 478-82, with S. D. Reiling.

Book Chapters

- Climate Policy and Voluntary Initiatives: An Evaluation of the Connecticut Clean Energy Communities Program, In *The Design and Implementation of U.S. Climate Policy*, D. Fullerton and C. Wolfram (eds.), University of Chicago Press, forthcoming.
- Cost-Benefit Analysis, In *Encyclopedia of Climate and Weather, 2nd Edition*, S. Schneider, M. Mastrandrea, and T. Root (eds.), Oxford University Press, 2011.
- Some Microeconomics of Eco-Entrepreneurship, In the *Advances in the Study of Entrepreneurship, Innovation, and Economic Growth*, G. Libecap (ed), Elsevier Science/JAI Press publishing, 2009.
- An Economics Perspective on Treating Voluntary Programs as Clubs, In *Voluntary Programs: A Club Theory Perspective*, M. Potoski and A. Prakash (eds.), MIT Press, 2009, with K. van 't Veld
- Environmental Voluntary Contracts Between Individuals and Industry: An Analysis of Consumer Preferences for Green Electricity, In *Environmental Voluntary Contracts: Comparative Approaches to Regulation Innovation in the United States and Europe*, E. Orts and K. Deketelaere (eds.), Kluwer Law International, 2001, with M. R. Moore and C. F. Clark.
- Incorporating Resistance in Pesticide Management: A Dynamic Regional Approach, In *Regional Sustainability: Applied Ecological Economics Bridging the Gap Between Natural and Social Sciences*, I. Ring, B. Klauer, F. Watzold, and B. Mansson (eds.), Springer Verlag, 1999.

Reviews, Letters, and Popular Writing

- Energy Efficiency Codes: Plan B For Climate Change? *The Milken Institute Review*, (2011) 58-69.
- Review of *Climatopolis: How Our Cities Will Thrive in a Hotter Future*, by M. Kahn, *Journal of Economic Literature*, 49 (2011) 777-779.
- Discussion of "Carbon Prices and Automobile Greenhouse Gas Emissions," in *The Design and Implementation of U.S. Climate Policy*, D. Fullerton and C. Wolfram (eds.), forthcoming, University of Chicago Press
- Building Codes and Energy Policy, *Resources Magazine*, Fall 2010, with G. Jacobsen. Also reprinted as an *RFF Weekly Policy Commentary*, November 1, 2010.
- Trends in Environmental Concern as Revealed by Google Searches, *VOX Column*, August 21, 2010, with M. Kahn.
- Is It Obama's Spill Now? Seize and Opportunity, *New York Times, Room for Debate*, May 26, 2010.
- What the Pill Means for Off Shore Drilling? Tax, Baby, Tax, *New York Times, Room for Debate*, April 29, 2010.
- Greener Pastures for Commercial Real Estate, *Wall Street Journal, Real Time Economics Blog*, December 16, 2009.
- Saving Daylight but Wasting Energy, Op-Ed in the *New York Times*, November 20, 2008, with L. Grant.

- Offsetting Green Guilt, *Stanford Social Innovation Review* (cover article), Spring 2009, 26-31.
- Oil and the Arctic National Wildlife Refuge, *RFF Weekly Policy Commentary*, October 5, 2008, with N. Burger.
- Does Daylight Saving Time Save Electricity? *VOX Column*, December 5, 2008, with L. Grant.
- What Would Environmentalists Do with ANWR? Op-Ed in the *San Diego Union-Tribune*, July 18, 2008.
- Review of “Our Precarious Habitat,” by M. A. Benarde, *Journal of the American Medical Association (JAMA)*, 299 (2008) 581-582.
- Review of “The Economics of Sustainable Development,” edited by S. Asefa, *Journal of Regional Science*, 46 (2006) 583-86.
- Review of “Principles of Environmental and Resource Economics,” edited by H. Folmer and H. L. Gabel, *The Annals of Regional Science*, 36 (2002) 697-99.
- Can Shade-Grown Coffee Help Conserve Tropical Biodiversity? A Market Perspective, *Endangered Species Update*, 17 (2001) 125-31, with K. D. Messer and M. R. Moore.
- Estimating and Questioning Economic Values for Endangered Species: An Application and Discussion, *Endangered Species Update*, 15 (1998) 9-15, with S. D. Reiling.
- Comment in response to “No Middle Way on the Environment,” by P. Ehrlich, G. Daily, S. Daily, N. Myers, and J. Salzman, *The Atlantic Monthly*, 281 (1998) 12.

Monographs and Proceedings

- Technology Choices: Finding Strategies for a Sustainable Maine*, co-editor with S. Smith and M. Anderson, University of Maine, Maine Agricultural and Forest Experiment Station Publication, 734 (1997) 164 pages.
- An Economic Evaluation of Snowmobiling in Maine*, University of Maine, Maine Agricultural and Forest Experiment Station Publication, 2069 (1997) 123 pages, with S. D. Reiling and A. Kezis.
- The Economic Impacts of Snowmobiling in Maine, In *Proceedings of the 1997 Northeastern Recreation Symposium*, USDA Forest Service, Northeastern Forest Experiment Station, General Technical Report (1997), with S. D. Reiling and R. Bennet.
- Lessons Learned From Past Research on Recreation Fees, In *Recreation Fees in the National Park Service: Issues, Policies and Guidelines for Future Action*, A. L. Lundgren (ed.), University of Minnesota Publication, No. BU-6767 (1996) 49-69, with S. D. Reiling.
- A Modified Method for Measuring the Economic Impact of Tourism, In *Proceedings of the 1996 Northeastern Recreation Symposium*, USDA Forest Service, Northeastern Forest Experiment Station, General Technical Report-NE-232 (1996) 249-51, with S. D. Reiling and J. A. Michael.

Completed Working Papers

The Comparative Statics of a Generalized Impure Public Good and Linear Characteristics Model, working paper, 2011, with N. Chan.

Willingness to pay and Political Support for a U.S. National Clean Energy Standard, working paper, 2011, with J. Aldy and A. Leiserowitz.

Policy-Instrument Choice and Benefit Estimates for Climate-Change Policy in the United States, working paper, 2011, with K. Boyle and A. Leiserowitz.

Corporate Social Responsibility for Irresponsibility, NBER Working Paper 17254, 2011, with J. J. Moon.

Selected Work in Progress

Testing Motives for Charitable Giving: Revealed Preference and Experimental Evidence on Positional Concerns, with R. Deb and R. Gazzale.

How Private Incentives Distort Public Evaluations: Evidence from the NCAA Football Coaches' Top 25 Ballots, with M. Potoski.

Fuel Prices and Airline Flight Times, with R. Kellogg, C. Knittle, and N. Rose.

Clearing the Air and Muddying the Waters? with E. Mansur and J. Shimshack.

The Microeconomics of the Rebound Effect, with N. Chan.

Crowding Out or In? Volunteers and Budgets in National Parks, with R. Deacon.

Invited Seminars and Lectures

2010–2011: Amherst College; Columbia University; Connecticut College; Harvard University; Massachusetts Institute of Technology; New York University; Oregon State; Tulane University; University of Colorado; University of Tennessee; INRA Economie (Rennes, France); University of Michigan; University of Montpelier (France); Environmental Defense Fund (2010, 2011); Yale Law School.

2007–2009: Brown University; Cal Poly; Columbia University; Duke University and NC State (joint); Harvard University; Princeton University; University of Washington; Resources for the Future; Stanford University; University of Calgary; UC Energy Institute; UC Los Angeles; UC San Diego; UC Santa Barbara; University of Maryland; Vanderbilt University; Yale University.

Pre–2007: Mystic Seaport, Mystic, CT (2004); Rensselaer Polytechnic Institute (2004); Tufts University (2005); UC Berkeley (2003); UC Energy Institute (2005); UC Davis (2003, 2005); UC Los Angeles (2006); UC Santa Barbara (2003, 2005, 2006); University of British Columbia (2003); University of Illinois, Urbana-Champaign (2003); University of Maine (2004); University of Michigan (1998, 2002, 2003); University of Minnesota (2004); University of New Hampshire (2005); University of Vermont (2003); University of Victoria (2005); Williams College (2003, 2004, 2005); Yale University (2002, 2004, 2005).

Conferences and Workshops Organized

AERE Conference Organizing Committee, 2010-
Yale Environmental Economics Seminar, 2009 - present
Co-Organizer, EDF Workshop on the Rebound Effect, 2011.
Co-Organizer, NBER Summer Institute Program on Environmental and Energy Economics, 2009
Co-Organizer, Voluntary Approaches to Environmental Protection, UCSB, scheduled 2009
Co-Organizer, 9th Occasional Workshop on Environmental & Resource Economics, UCSB, 2006

Selected Conference and Workshop Presentations

EDF-Alliance Program, The Italian Institute at Columbia University, 2011
The Next Round of Climate Economics and Policy Research, RFF, Washington DC, 2011
Energy Policy Symposium, RFF, Washington DC, 2011
UBC Environmental Economics Workshop, 2010
UNDEP Climate Change Adaptation, San Salvador, El Salvador, 2010.
Yale Clean Energy Innovation Conference, 2010
NBER Environmental & Energy Economics Spring Meeting, 2010.
AEA session at the ASSA annual meetings, 2009
The Promise of Socially Responsible Investing, Princeton University, 2008
UC Energy Institute Working Group, Berkeley, 2008, 2007
Frontiers in Eco-Entrepreneurship, panelist, UC Santa Barbara, 2008
Conference in Honor of Roger Bolton, Williams College, 2008
Strategy and the Business Environment, Duke University, Fuqua School of Business, 2008
NBER Environmental and Energy Economics Program Meeting, Stanford, 2008
Carbon Offsets and Renewable Energy Certificates, Federal Trade Commission, 2008
Conference on Voluntary Programs and Club Theory, University of Washington, 2007
Industry Self-Regulation Conference, Harvard Business School, 2007
Power Conference, UC Energy Institute, Berkeley, 2007, 2009, 2011
NBER Working Group on Public Policy and the Environment, Cambridge, 2007, 2004, 2002
Round Table on Environmental Voluntary Contracts, Vanderbilt University School of Law, 2006
Occasional Workshop on Environmental Economics, UC Santa Barbara, 2005
International Institute of Public Finance, Helsinki, Finland, 2002
AERE session at ASSA annual meetings, 2006, 2002, 2011
AERE session at AAEA annual meetings, 2004, 2001
Wharton Impact Conference, University of Pennsylvania, 1999
HERE Workshop, Iowa State University, 2001, 2000, 1999
UFZ-Center for Environmental Research, Leipzig Halle, Germany, 1998

Media Coverage

Research has been highlighted in most major media outlets, including *The New York Times*, *The Wall Street Journal*, *USA Today*, *Time Magazine*, *Scientific American*, *NPR's All Things Considered*, *NPR's Marketplace*, *The BBC*, *The Today Show*, *Good Morning America*, and *CBS Sunday Morning*. A listing of selected media coverage of research and personal media appearances/interviews is available at www.environment.yale.edu/kotchen/news.

Referee

American Economic Journals (Applied Economics, Economic Policy), *American Economic Review*, *American Journal of Agricultural Economics*, *The BE Journals in Economic Analysis & Policy*,

Bulletin of Economic Research, Climate Change Economics, Ecological Economics, Energy Economics, Energy Policy, Environmental and Resource Economics, Environmental Management, European Journal of Political Economy, Journal of Economic Education, Journal of Economics and Management Strategy, Journal of Environmental Economics and Management, Journal of Environmental Psychology, Journal of Public Economic Theory, Journal of Public Economics, Journal of Political Economy, Land Economics, Nature, National Science Foundation (NSF), Resource & Energy Economics, Regulation and Governance, Review of Economics and Statistics, Social Science Quarterly, Quarterly Journal of Economics, and others.

Teaching

Graduate

Economics of the Environment (Yale)
Voluntary and Information Approaches to Environmental Policy (Yale)
PhD Environmental and Resource Economics (Stanford)
Microeconomic Principles for Environmental Management (UCSB)
PhD Seminar: Orientation to Economics and Environmental Science (UCSB)
PhD Seminar: Tools and Topics in Environmental Management (UCSB)
Cost-Benefit Analysis and Nonmarket Valuation (UCSB)
Can We Buy and Sell Our Way Out of the Environmental Crisis? (UCSB)
Environmental Policy and Natural Resource Management (Williams)
Microeconomics for Development Economists (Williams)

Undergraduate

Environmental and Resource Economics (Stanford)
Principles of Microeconomics (Williams)
Economics of the Environment (Williams)
Economics Where You Least Expect It (Williams)