

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

University of California, Santa Barbara, CA

Assistant Professor, Bren School of Environmental Science & Management, 2005-
Affiliated appointment in the Department of Economics

Stanford University, Stanford, CA

Visiting Assistant Professor, Department of Economics, academic year 2008-09

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

Visiting Researcher, half-time, academic year 2008-09

Resources for the Future (RFF), Washington, DC

Visiting Scholar, summer 2008

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

Williams College, Williamstown, MA

Assistant Professor, Department of Economics, 2003-05

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

AWARDS 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
Summer School Fellowship, Institute for Advanced Studies, Hebrew University, Israel, 2001

Outstanding Social Science Presentation, U.S. EPA Fellowship Conference, 2001
Outstanding Graduate Student Teaching Award, SNRE, University of Michigan, 2000

COMPETITIVE RESEARCH GRANTS

University of California Energy Institute, PI, 2007-08
U.S. Environmental Protection Agency, PI with M.R. Moore, 2000-02
Michigan Department of Environmental Quality, PI with M.R. Moore, 2000-02

JOURNAL ARTICLES

- “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,” with S. L. Schulte forthcoming, *International Regional Science Review*.
- “Grades, Course Evaluations, and Academic Incentives,” with D. A. Love, forthcoming, *Eastern Economic Journal*.
- “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.
- “Pharmaceuticals in Wastewater: Behavior, Preferences, and Willingness to Pay for a Disposal Program,” with J. Kallaos, K. Wheeler, C. Wong, M. Zahller, forthcoming, *Journal of Environmental Management*.
- “Conservation: From Voluntary Restraint to a Voluntary Price Premium,” with M. R. Moore, *Environmental and Resource Economics*, 40 (2008) 195-215.
- “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,” with N. E. Burger, *Energy Policy*, 35 (2007) 4720-29.
- “Private Provision of Environmental Public Goods: Household Participation in Green-Electricity Programs,” with M. R. Moore, *Journal of Environmental Economics and Management*, 23 (2007) 1-16.
- “Relating Environmental Attitudes and Contingent Values: How Robust Are Methods for Identifying Preference Heterogeneity?” with G. Aldrich, K. Grimsrud, and J. Thacher, *Environmental and Resource Economics*, 37 (2007) 757-75.

- “Meeting the Challenges of the Anthropocene: Toward a Science of Coupled Human-Biophysical Systems,” with O. R. Young, *Global Environmental Change*, 17 (2007) 149-51.
- “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,” with S. M. Powers, *Journal of Environmental Economics and Management*, 52 (2006) 373-90.
- “Environmental Constraints on Hydropower: An Ex-Post Benefit-Cost Analysis of Hydroelectric Relicensing in Michigan,” with M. R. Moore, F. Lupi, and E. Rutherford, *Land Economics*, 82 (2006) 389-403.
- “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,” with C. F. Clark and M. R. Moore, *Journal of Environmental Psychology*, 23 (2003) 237-46.
- “Environmental Attitudes, Motivations, and Contingent Valuation of Nonuse Values: A Case Study Involving Endangered Species,” with S. D. Reiling, *Ecological Economics*, 32 (2000) 93-107.
- “Do Reminders of Budget Constraints and Substitutes Influence Contingent Valuation Estimates? Another Comment,” with S. D. Reiling, *Land Economics*, 75 (1999) 478-82.

BOOK CHAPTERS

- “Cost-Benefit Analysis,” in *Encyclopedia of Climate and Weather, 2nd Edition*, S. Schneider (ed.), Oxford University Press, forthcoming, 2010.
- “Some Economics of Eco-Entrepreneurship,” In the *Advances in the Study of Entrepreneurship, Innovation, and Economic Growth*, G. Libecap (ed), Elsevier Science/JAI Press publishing, forthcoming.
- “Oil and the Arctic National Wildlife Refuge,” with N. Burger, *Collected Policy Commentaries in Environmental and Resource Economics*, I. Perry (ed.) Washington DC: Resources for the Future Press, forthcoming.
- “An Economics Perspective on Treating Voluntary Programs as Clubs,” with Klaas van ‘t Veld, in *Voluntary Programs: A Club Theory Perspective*, M. Potoski and A. Prakash (eds.), Cambridge: MIT Press, forthcoming.
- “Environmental Voluntary Contracts Between Individuals and Industry: An Analysis of Consumer Preferences for Green Electricity,” with M. R. Moore and C. F. Clark, in *Environmental Voluntary Contracts: Comparative Approaches to Regulation Innovation in*

the United States and Europe, E. Orts and K. Deketelaere (eds.), London: Kluwer Law International (2001) 409-23.

“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.), New York: Springer Verlag (1999) 126-35.

REVIEWS, LETTERS and POPULAR WRITING

“Saving Daylight but Wasting Energy,” with L. Grant, Op-Ed in the *New York Times*, November 20, 2008.

“Offsetting Green Guilt,” Cover article in the *Stanford Social Innovation Review* Spring 2009, 26-31.

“Does Daylight Saving Time Save Electricity?” with L. Grant, Column in *VOX: The Policy Portal for the Center for Economic Policy Research*, December 5, 2008.

“What Would Environmentalists Do with ANWR?” Op-Ed in the *San Diego Union-Tribune*, July 18, 2008.

“Oil and the Arctic National Wildlife Refuge,” with N. Burger, *RFF Weekly Policy Commentary*, Resources for the Future, 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*, 36:4 (2002) 697-99.

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*, 281:4 (1998) 12.

OTHER ARTICLES, MONOGRAPHS, AND PROCEEDINGS

“Can Shade-Grown Coffee Help Conserve Tropical Biodiversity? A Market Perspective,” with K. D. Messer and M. R. Moore, *Endangered Species Update*, 17:6 (2001) 125-31.

“Estimating and Questioning Economic Values for Endangered Species: An Application and Discussion,” with S. D. Reiling, *Endangered Species Update*, 15:5 (1998) 9-15.

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, with S. D. Reiling and A. Kezis, University of Maine, Maine Agricultural and Forest Experiment Station Publication, 2069 (1997) 123 pages.

“The Economic Impacts of Snowmobiling in Maine,” with S. D. Reiling and R. Bennet, in *Proceedings of the 1997 Northeastern Recreation Symposium*, USDA Forest Service, Northeastern Forest Experiment Station, General Technical Report (1997).

“Lessons Learned From Past Research on Recreation Fees,” with S. D. Reiling, 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.

“A Modified Method for Measuring the Economic Impact of Tourism,” with S. D. Reiling and J. A. Michael, in *Proceedings of the 1996 Northeastern Recreation Symposium*, USDA Forest Service, Northeastern Forest Experiment Station, General Technical Report-NE-232 (1996) 249-51.

WORKING PAPERS and SELECTED WORK IN PROGRESS

“Does Daylight Saving Time Save Energy? Evidence from a Natural Experiment in Indiana,” with L. Grant, 2008.

“Corporate Social Responsibility for Irresponsibility,” with J. J. Moon, 2008.

“Green Clubs,” with K. van’t Veld, 2008.

“Testing for Crowding-Out or Crowding-In: Volunteerism in the National Park Service,” with R. T. Deacon.

“A Free Lunch in the Commons,” S. W. Salant.

“A Life-Cycle Model of Charitable Giving,” with D. A. Love and J. Bakija.

“Using Marine Reserves in Spatially Explicit Fisheries Stock Assessments,” with H. Lenihan, M. Kay, and J. Wilson.

“Clubs and Voting: How Do Coaches Rank College Football Teams?” with M. Potoski.

INVITED SEMINARS

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, York 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

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

CONFERENCE AND WORKSHOP PRESENTATIONS

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
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
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

SELECTED MEDIA COVERAGE

Daylight Saving Time

[Video] *CBS Sunday Morning*, *ABC News 20/20*, *NBC Universal*, *The Today Show (I)*, *The Today Show (II)*. [Radio] *NPR's All Things Considered*, *Chicago Public Radio*. [Print] *American Scientist*, *Wall Street Journal*, *New York Times*, *USA Today*, *Associated Press*, *Yahoo! News*, *Indianapolis Star*, *Philadelphia Inquire*, *Toronto Star*, *National Geographic*, *US News and World Report*. [Blogs] *Freakonomics*, *Marginal Revolution*.

Voluntary Carbon Offsets

[Video] *Energy Policy TV*. [Print] *The Federal Reserve Bank of Richmond: Region Focus*, *The Katoomba Group's Ecosystem Marketplace* (reprinted in numerous outlets).

Green Markets

[Print] *Science Daily, Stanford Social Innovation Review, The New Scientist, Ventura County Star; The Yoga Journal.*

Energy and ANWR

[Print] *Forbes, The Wall Street Journal, The San Diego Union-Tribune.* [Radio] *WXML FM Talk Radio.* [Blogs] *Marginal Revolution, Arctic Economics.*

REFEREE

American Economic Review, The BE Journals in Economic Analysis & Policy, Bulletin of Economic Research, Ecological Economics, Energy Economics, 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, Resource & Energy Economics, Regulation and Governance, Social Science Quarterly, Quarterly Journal of Economics, AAEA annual meeting paper selection.

TEACHING

Graduate

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)
Microeconomics with Natural Resource Applications (Michigan)

Undergraduate

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