

JOSEPH E. ALDY

RESOURCES FOR THE FUTURE

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Education:

Doctor of Philosophy, Department of Economics, Harvard University, 2005

Master of Environmental Management, Nicholas School of the Environment, Duke University, 1995

Bachelor of Arts, Water Resources (independently designed curriculum), Duke University, 1993

Professional Experience:

2005-present Resources for the Future, Fellow

2001-2003 Department of Economics, Harvard University, Teaching Fellow

1997-2000 Council of Economic Advisers, Executive Office of the President,

1999-2000 Senior Economist for the Environment and Natural Resources

1998-1999 Senior Advisor for the Global Environment

1997-1998 Staff Economist for the Environment and Natural Resources

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

1995-1996 Nicholas School of the Environment, Associate in Research

Consulting Experience:

Center for American Progress, Hewlett Foundation, Moore Foundation, Pew Center on Global Climate Change, U.S. Environmental Protection Agency, World Wildlife Fund – United States

Fellowships, Internships, and Grants:

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

2004 Graduate Student Council Research Grant, Harvard University

2003-2004 Repsol YPF-Harvard Kennedy School of Government Energy Policy Fellow

2003-2004 Switzer Foundation Environmental Fellow

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

2001-2005 Pre-Doctoral Fellow, Environmental Economics Program at Harvard University

2001-2005 Pre-Doctoral Fellow, Program on Empirical Legal Studies, Harvard Law School

1996-1998 Presidential Management Intern, Executive Office of the President and Economic Research Service

1994 NNEMS Fellow, U.S. Environmental Protection Agency

Awards:

2005 Stone Pre-Doctoral Fellow in Environmental and Resource Policy (Winner of Best Paper on Environmental and Resource Policy by Harvard doctoral student, 2004)

2002, 2003 Certificate of Distinction in Teaching, Harvard University

Publications – Journal Articles:

- Viscusi, W. Kip and Joseph E. Aldy. 2006. "Labor Market Estimates of the Senior Discount for the Value of Statistical Life." *Journal of Environmental Economics and Management*, forthcoming. (Related RFF Discussion Paper 06-12)
- Aldy, Joseph E. 2006. "Energy and Carbon Dynamics at Advanced Stages of Development: An Analysis of the U.S. States 1960–1999." *Energy Journal*, forthcoming. (Related RFF Discussion Paper 06-13)
- Aldy, Joseph E. 2006. "Divergence in State-Level Per Capita Carbon Dioxide Emissions." *Land Economics*, forthcoming August 2007. (Related RFF Discussion Paper 06-07)
- Aldy, Joseph E. 2006. "Per Capita Carbon Dioxide Emissions: Convergence or Divergence?" *Environmental and Resource Economics* 33(4): 533-555. (Related RFF Discussion Paper 05-53).
- Aldy, Joseph E. 2005. "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.
- Viscusi, W. Kip and Joseph E. Aldy. 2003. "The Value of a Statistical Life: A Critical Review of Market Estimates throughout the World." *Journal of Risk and Uncertainty* 27(1): 5-76.
- Aldy, Joseph E., Scott Barrett, and Robert N. Stavins. 2003. "Thirteen Plus One: A Comparison of Global Climate Policy Architectures." *Climate Policy* 3(4): 373-397. (Related RFF Discussion Paper 03-26).
- Aldy, Joseph E., Randall A. Kramer, and Thomas P. Holmes. 1999. "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.
- Aldy, Joseph E., James Hrubovcak, and Utpal Vasavada. 1998. "The Role of Technology in Sustaining Agriculture and the Environment." *Ecological Economics* 26: 81-96.
- Miranda, Marie Lynn and Joseph E. Aldy. 1998. "Unit Pricing of Residential Municipal Solid Waste: Lessons from Nine Case Study Communities." *Journal of Environmental Management* 52(1): 79-93.
- Vasavada, Utpal, Jim Hrubovcak, and Joe Aldy. 1997. "Economics of Sustainable Agriculture." *Agricultural Outlook* 238: 21-24.
- Miranda, Marie Lynn and Joseph E. Aldy. 1996. "Recycling Jumps When Communities Use Unit Pricing for Residential Garbage." *Resource Recycling* 15(8): 27-31.

Papers in Submission:

- "Age Differences in the Value of Statistical Life: Labor Market Evidence" (with W. Kip Viscusi), September 2006, submitted to *Review of Environmental Economics and Policy*
- "Adjusting the Value of a Statistical Life for Age and Cohort Effects" (with W. Kip Viscusi), May 2005 (Related RFF Discussion Paper 06-19), revised and resubmitted October 2006 to *Review of Economics and Statistics*
- "Justice Implications of Global Climate Change" (with Marie Lynn Miranda, Anna Bauer, and William N. Schlesinger), November 2006, submitted to *Science*

Research Papers in Progress:

- "Temperature Shocks, Energy Prices, and U.S. Mortality: An Assessment of the Health Impacts of Climate Change" (with Dan Stone), November 2006
- "Lessons from Alan Manne's Research for the Policy Community," November 2006
- "An Analysis of the Heterogeneity in the Value of Life" (with Seamus J. Smyth), May 2006
- "Insurance against Weather and Energy Price Shocks: The Benefits of Energy Subsidies to Low-Income Households," April 2005

Publications – Books and Book Chapters:

- Aldy, Joseph E. and Robert N. Stavins, eds. 2007. *Architectures for Agreement: Addressing Global Climate Change in the Post-Kyoto World*. Cambridge: Cambridge University Press.
- Aldy, Joseph E. and Robert N. Stavins. 2007. “Architectures for Agreement: Lessons for the International Policy Community.” In: J.E. Aldy and R.N. Stavins, eds., *Architectures for Agreement: Addressing Global Climate Change in the Post-Kyoto World*. Cambridge: Cambridge University Press.
- Aldy, Joseph E. and Robert N. Stavins. 2007. “Introduction.” In: J.E. Aldy and R.N. Stavins, eds., *Architectures for Agreement: Addressing Global Climate Change in the Post-Kyoto World*. Cambridge: Cambridge University Press.
- Aldy, Joseph E. 2004. “Saving the Planet Cost-Effectively: The Role of Economic Analysis in Climate Change Mitigation Policy.” In: R. Lutter and J.F. Shogren, eds., *Painting the White House Green: Rationalizing Environmental Policy Inside the Executive Office of the President*. Washington, DC: Resources for the Future Press. Pp. 89-118.
- Aldy, Joseph E., Richard Baron, and Laurence Tubiana. 2003. “Addressing Cost: The Political Economy of Climate Change.” In: *Beyond Kyoto: Advancing the International Effort Against Climate Change*. Arlington, VA: Pew Center on Global Climate Change. Pp. 85-110.
- Aldy, Joseph E. 2000. “Can Annex I Countries Meet Their Emissions Targets at Modest Costs?” In: C.E. Walker, M.A. Bloomfield, M. Thorning, eds., *The Kyoto Commitments: Can Nations Meet Them with the Help of Technology?* Washington, DC: American Council for Capital Formation. Pp. 67-73.

Publications – Book Reviews, Conference Papers, Non-Technical Papers, and Reports:

- Aldy, Joseph E. 2006. “The Strategic Petroleum Reserve: A Short-Term Response.” *Resources* 163: 19-20.
- Aldy, Joseph E. 2006. “Review of *Beyond Kyoto – A New Global Climate Certificate System* by Lutz Wicke.” *Bulletin of the American Meteorological Society*, forthcoming.
- Aldy, Joseph E. 2006. “Heating Subsidies Make a Difference in Offsetting Winter Mortality Rates Among the Poor and Elderly.” *Resources* 160: 5–6.
- Aldy, Joseph E. and Jeffrey A. Frankel. 2004. “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, www.l20.org/publications/Phase II/Climate Policy/Papers/newyork.aldy.pdf.
- Aldy, Joseph E., Peter R. Orszag, and Joseph E. Stiglitz. 2001. “Climate Change: An Agenda for Global Collective Action.” Paper presented at Pew Center on Global Climate Change Workshop on the Timing of Climate Change Policies, Washington, DC, October 2001. AEI-Brookings Joint Center on Regulatory Affairs Related Publication, December 2001, www.aei-brookings.org/publications/abstract.php?pid=200.
- Miranda, Marie Lynn, Scott D. Bauer, and Joseph E. Aldy. 1995. *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. October. 80 pp. www.epa.gov/epaoswer/non-hw/payt/pdf/swlitrep.pdf.
- Aldy, Joseph E. 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. 92 pp.

Seminars:

University of California–Davis, University of California–Santa Barbara, University of Central Florida, Columbia University, Duke University, Harvard Law School, Harvard University, Johns Hopkins University, John F. Kennedy School of Government, University of Kentucky, University of Maryland, Paul H. Nitze School of Advanced International Studies, Public Policy Institute of California, RAND Corporation, Resources for the Future, Rice University, Stanford University, Triangle Resource and Environmental Economics Seminar (Duke/NCSU/RTI), University of Texas–Austin, Yale University

Conference and Workshop Presentations:

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

Ecological Society of America, Memphis, TN, 2006

Third World Congress of Environmental and Resource Economists, Kyoto, Japan (two talks), 2006

International Energy Workshop, Stanford Energy Modeling Forum/International Energy Agency/International Institute for Applied Systems Analysis/Energy Research Centre, Cape Town, South Africa (two talks), 2006

Economics of Population Health Conference, American Society of Health Economists, Madison, WI, 2006

Economic Implications of Climate Policy, North Carolina Commission on Global Climate Change, Raleigh, NC, 2006

Morbidity and Mortality: How Do We Value the Risk of Illness and Death? U.S. Environmental Protection Agency, Washington, DC, 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

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

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

International Energy Workshop, Stanford Energy Modeling Forum/International Energy Agency/International Institute for Applied Systems Analysis, 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

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

Journal Referee:

B.E. Journals in Economic Analysis & Policy, Climate Policy, Climatic Change, Ecological Economics, Energy Economics, Energy Journal, Environmental and Resource Economics, Environment and Development Economics, International Economic Review, International Environmental Agreements, Journal of Environment and Development, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Health Economics, Journal of Political Economy, Journal of Public Economics, Journal of Risk and Uncertainty, Quarterly Journal of Economics, Resource and Energy Economics, Review of Economic Studies

Reviewer:

Government: Department of Energy, National Science Foundation, U.S. Climate Change Science Program

NGO: Pew Center on Global Climate Change, World Resources Institute

Member:

American Economic Association
Association of Environmental and Resource Economists
American Society of Health Economists

Other Professional Activities:

Co-Director, International Energy Workshop, 2006-7
Co-Organizer, Frontiers of Environmental Economics Conference, 2007
Organizer, Resources for the Future Academic Seminar Series, 2006-7
Advisor, Progressive Policy Institute Energy and Environment Project, 2006-7

Graduate School Advisors:

David Cutler (Harvard University), Caroline Hoxby (Harvard University), Robert N. Stavins (John F. Kennedy School of Government), W. Kip Viscusi (Vanderbilt University; formerly Harvard Law School)