

# Margaret Walls

Resources for the Future  
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## EXPERIENCE

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February 2006 – present

**Senior Fellow**, Resources for the Future, Washington DC

Named first recipient of **Thomas Klutznick Chair**, February 2010.

Nov. 2000 – February 2006

**Resident Scholar**, Resources for the Future, Washington DC

January 1996 – November 2000

**Associate Professor**, School of Economics and Finance, Victoria University, Wellington, New Zealand

October 1987 – January 1996

**Fellow**, Resources for the Future, Washington DC

Indefinite appointment (equivalent of academic tenure) granted in 1994.

## EDUCATION

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1982-1987

University of California

Santa Barbara, CA

**Ph.D. in Economics** (awarded 1988)

Thesis: *A Dynamic Optimization Approach to Modeling Petroleum Exploration with an Application to the 1986 Oil Price Decline*

Dissertation Committee: Robert Deacon (chair), Walter Mead, Jon Sonstelie, Gary Hanson

1977-1981

University of Kentucky

Lexington, KY

**B.S. in Agricultural Economics**

## REFEREED JOURNAL PUBLICATIONS

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Stephen Brown, Alan Krupnick, and Margaret Walls, “Do U.S. Shale Gas Resources Provide a Bridge to a Low-Carbon Future?” *Energy Economics*, under review.

Joshua Blonz, Dallas Burtraw, and Margaret Walls, “The Distribution of Climate Policy Costs by Income and Age Groups and the Important Role of Social Safety Nets,” *Climate Policy*, forthcoming.

Nicholas Magliocca, Virginia McConnell, Margaret Walls, and Elena Safirova, “Zoning on the Urban Fringe: Results from a New Approach to Modeling Land and Housing Markets,” *Regional Science and Urban Economics*, forthcoming January 2012.

Nicholas Magliocca, Elena Safirova, Virginia McConnell, and Margaret Walls, “An Agent-Based Model of Coupled Housing and Land Markets,” *Computers, Environment, and Urban Systems*, May 2011.

Margaret Walls, "The State of the Great Outdoors: Charting Recent Trends, Assessing Funding Needs, and Understanding Americans' Connection to Nature," *Journal of Physical Activity and Health* S-141-2 (January) 2011.

Josh Blonz, Dallas Burtraw, and Margaret Walls, "Climate Policy's Uncertain Outcomes for Households: The Role of Complex Allocation Schemes in Cap-and-Trade," *B.E. Journal of Economic Analysis and Policy* 10(2) 2010.

Dallas Burtraw, Richard Sweeney, and Margaret Walls, "The Incidence of U.S. Climate Policy: Alternative Uses of Revenue from a Cap-and-Trade Auction," *National Tax Journal*, Vol. 62 (September) 2009: 497-518.

Virginia McConnell and Margaret Walls, "Policy Monitor: U.S. Experience with Transferable Development Rights," *Review of Environmental Economics and Policy*, Summer 2009.

Elizabeth Kopits, Virginia McConnell, and Margaret Walls, "Making Markets for Development Rights Work: What Determines Demand?" *Land Economics* Vol. 94, No. 1 (February) 2008: pp 1-16.

Elizabeth Kopits, Virginia McConnell, and Margaret Walls, "The Tradeoff between Private Lots and Public Open Space in Subdivisions at the Urban-Rural Fringe," *American Journal of Agricultural Economics* Vol. 89, No. 5, 2007: pp. 1191-1197.

Ian Parry, Margaret Walls, and Winston Harrington, "Automobile Externalities and Policies," *Journal of Economic Literature* Vol. XLV (June) 2007: pp. 373-399.

Margaret Walls, Elena Safirova, and Yi Jiang, "What Drives Telecommuting? The Relative Impacts of Worker Demographics, Employer Characteristics, and Job Types," *Transportation Research Record* No. 2010, 2007: pp 111-120.

Peter Nelson, Elena Safirova, and Margaret Walls, "Telecommuting and Environmental Policy: Lessons from the eCommute Program," *Transportation Research-Part D: Transport and Environment*, Vol. 12, Issue 3 (May) 2007: pp. 195-207.

Virginia McConnell, Elizabeth Kopits, and Margaret Walls, "How Well Can Markets for Development Rights Work? Evaluating a Farmland Preservation Program," *Journal of Environmental Planning and Management*, September 2006.

Virginia McConnell, Margaret Walls, and Elizabeth Kopits, "Zoning, TDRs, and the Density of Development," *Journal of Urban Economics*, vol. 59, issue 3 (May) 2006, pp 440-457.

Paul Calcott and Margaret Walls, "Waste, Recycling, and 'Design for Environment': Roles for Markets and Policy Instruments," *Resource and Energy Economics*, vol. 27, no. 4 (November) 2005, pp 287-305.

Virginia McConnell, Elizabeth Kopits, and Margaret Walls, "Farmland Preservation and Residential Density: Can Development Rights Markets Affect Land Uses?" *Agricultural and Resource Economics Review*, vol. 34, no. 2 (October) 2005, pp 131-144.

Margaret Walls, Molly Macauley, and Soren Anderson, "Private Markets, Contracts, and Government Provision: What Explains the Organization of Local Waste and Recycling Markets?" *Urban Affairs Review*, vol. 40, no. 5 (May) 2005, pp 590-613.

Margaret Walls, "How Local Governments Structure Contracts with Private Firms: Economic Theory and Evidence on Solid Waste and Recycling Contracts," *Public Works Management and Policy*, vol. 9, no. 3 (January) 2005, pp 206-222.

James Boyd, Dallas Burtraw, Alan Krupnick, Virginia McConnell, Karen Palmer, James Sanchirico, and Margaret Walls, "Trading Cases: Protecting Natural Resources and the Environment with Market-Based Approaches," *Environmental Science and Technology*, vol. 37, no. 11 (June) 2003, pp 217-223. Reprinted in *The RFF Reader in Environmental and Resource Management 2<sup>nd</sup> Edition*, Wallace Oates, ed. (Washington, DC: Resources for the Future), 2006.

Margaret Walls and Karen Palmer, "Upstream Pollution, Downstream Waste Disposal, and the Design of Comprehensive Environmental Policies," *Journal of Environmental Economics and Management*, V41 (February) 2001, pp 94-108.

Paul Calcott and Margaret Walls, "Can Downstream Waste Disposal Policies Encourage Upstream 'Design for Environment'?" *American Economic Review*, V90 no. 2 (May) 2000, pp 233-237.

Margaret Walls and Jean Hanson, "Distributional Aspects of an Environmental Tax Shift: The Case of Motor Vehicle Emissions Taxes," *National Tax Journal*, V52 no. 1 (March) 1999, pp 53-66.

Karen Palmer and Margaret Walls, "Optimal Policies for Solid Waste Disposal: Taxes, Subsidies, and Standards," *Journal of Public Economics*, V65 no. 2 (August) 1997, pp 193-205.

Karen Palmer, Hilary Sigman, and Margaret Walls, "The Costs of Reducing Municipal Solid Waste," *Journal of Environmental Economics and Management*, V33, no. 2 (June) 1997, pp 128-50.

Margaret Walls, "Valuing the Characteristics of Natural Gas Vehicles: An Implicit Markets Approach," *Review of Economics and Statistics*, V78 no. 2 (May) 1996, pp 266-76.

Margaret Walls, "Using a 'Hybrid' Approach to Model Oil and Gas Supply: A Case Study of the Gulf of Mexico Outer Continental Shelf," *Land Economics*, V70 no. 1 (February) 1994, pp 1-19.

Margaret Walls, Alan Krupnick, and Carol Collins, "Global Warming and Urban Smog: The Cost-Effectiveness of CAFE Standards and Alternative Fuels," *The Energy Journal*, V14 no. 4 (October) 1993, pp 75-97.

Margaret Walls, "Federalism and Offshore Oil Leasing," *Natural Resources Journal*, V33 (Summer) 1993, pp 777-795.

Margaret Walls, "Internalizing Energy Market Externalities in a Federalist System of Government," *Energy Policy*, April 1993, pp 385-390.

Margaret Walls, "Modeling and Forecasting the Supply of Oil and Gas: A Survey of Existing Approaches," *Resources and Energy*, V14 (September) 1992, pp 287-309.

Alan Krupnick and Margaret Walls, "The Cost-Effectiveness of Methanol for Reducing Motor Vehicle Emissions and Urban Ozone," *Journal of Policy Analysis and Management*, V11 no. 3 (July) 1992, pp 373-396.

Margaret Walls, "Dynamic Firm Behavior and Regional Deadweight Losses From a U.S. Oil Import Fee," *Southern Economic Journal*, V57 no. 3 (January) 1991, pp 772-788.

Margaret Walls, "Welfare Cost of an Oil Import Fee," *Contemporary Policy Issues*, V8 (April) 1990, pp 176-189.

## BOOK CHAPTERS

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Margaret Walls, "Deposit-Refund Systems," in *Encyclopedia of Energy, Natural Resources and Environmental Economics*, Joseph Herriges and Jason Shogren, eds. (Oxford: Elsevier), forthcoming 2012.

Dallas Burtraw, Margaret Walls, and Josh Blonx, "Distributional Impacts of Carbon Pricing Policies in the Electricity Sector," in *U.S. Energy Taxes*, Gilbert Metcalf, ed. (Cambridge University Press), 2010.

Margaret Walls, "Discussion of CEPACs in Brazil and Comparison with Transferable Development Rights," in *The Changing Landscape of Local Public Revenue* (Cambridge, MA: Lincoln Institute of Land Policy), 2010.

Ian Parry, Hilary Sigman, Margaret Walls, and Robertson Williams, "The Incidence of Pollution Control Policies," *International Yearbook of Environmental and Resource Economics 2006/2007*, Henk Folmer and Tom Tietenberg, eds. (London: Edward Elgar Publishers).

Elizabeth Kopits, Virginia McConnell, and Margaret Walls, "A Market Approach to Land Preservation," in *The RFF Reader in Environmental and Resource Management 2<sup>nd</sup> Edition*, Wallace Oates, ed. (Washington, DC: Resources for the Future), 2006. Earlier version published in *Resources*, Issue 150, Spring 2003.

Winston Harrington, Karen Palmer, and Margaret Walls, "State Innovation in Environmental Improvements: Experimental Federalism," in *New Approaches on Energy and the Environment: Policy Advice for the President*, Richard Morgenstern and Paul Portney, eds. (Washington, DC: Resources for the Future), November 2004. Reprinted in *The RFF Reader in Environmental and Resource Management, 2<sup>nd</sup> Edition*, Wallace Oates, ed. (Washington, DC: Resources for the Future), 2006.

Margaret Walls, "The Role of Economics in Extended Producer Responsibility: Making Policy Choices and Setting Policy Goals," in *Economic Aspects of Producer Responsibility*, (Organization for Economic Cooperation and Development (OECD): Paris) June 2004.

Molly Macauley and Margaret Walls, "Solid Waste Policy," in *Public Policies for Environmental Protection, 2<sup>nd</sup> ed.*, Paul Portney and Robert Stavins, eds. (Washington, DC: Resources for the Future), 2000.

Winston Harrington, Margaret Walls, and Virginia McConnell, "Shifting Gears: New Directions for Cars and Clean Air," in *The RFF Reader in Environmental and Resource Management*, Wallace Oates, ed. (Washington, DC: Resources for the Future), 1999.

Winston Harrington, Virginia McConnell, and Margaret Walls, "Who's in the Driver's Seat? Mobile Source Policy in the U.S. Federal System" in *Economic Aspects of Environmental Policy Making in a Federal State*, John Braden and Stef Proost, eds. (London: Edward Elgar Publishing) 1996.

Margaret Walls, "Applications of Energy Security Externalities to Transportation Policy," Chapter 7 of *The Economics of Energy Security*, by Douglas R. Bohi and Michael A. Toman (Boston, MA: Kluwer Academic Publishers), 1996.

Michael Toman and Margaret Walls, "Nonrenewable Resource Supply: Theory and Practice," Chapter 9 of *The Handbook of Environmental Economics*, Daniel Bromley, ed. (Basil Blackwell: Oxford), 1995.

Margaret Walls, "Motor Vehicles and Pollution in Central and Eastern Europe," in *Pollution Abatement Strategies in Central and Eastern Europe*, Michael A. Toman, ed. (Resources for the Future: Washington, DC), 1994.

Margaret Walls, "U.S. Energy and Environmental Policies: Problems of Federalism and Conflicting Goals," in *A Comprehensive Energy Policy: The Impossible Dream?* Hans Landsberg, ed. (Resources for the Future: Washington, DC), 1993.

Margaret Walls and Andrew S. Jones, "The U.S. Oil Industry Response" in *The Oil Market in the 1980s: A Decade of Decline*, Siamack Shojai and Bernard Katz, eds. (Praeger Publishers: New York), 1992.

Margaret Walls, "Costs of Methanol Systems: Commentary" in *Methanol as an Alternative Fuel Choice: An Assessment*, Wilfrid L. Kohl, ed. (Johns Hopkins Foreign Policy Institute: Washington, DC), 1990.

#### PUBLISHED REPORTS

Carolyn Kousky, Molly Macauley, Sheila Olmstead, Margaret Walls, and Adam Stern. *The Role of Land Use in Adaptation to Increased Precipitation and Flooding: A Case Study in Wisconsin's Lower Fox River Basin*, Resources for the Future, forthcoming November 2011.

Alan Krupnick, Ian Parry, Margaret Walls, Tony Knowles, and Kristin Hayes. *Toward a New National Energy Policy: Assessing the Options*, Resources for the Future, Fall 2010.

Margaret Walls, Sarah Darley, and Juha Siikamaki, *The State of the Great Outdoors: America's Parks, Public Lands, and Recreation Resources*. Resources for the Future, September 2009.

Margaret Walls, "Smart Growth @ 10: A Critical Examination of Maryland's Landmark Land Use Program," Resources for the Future Conference Report, January 2008.

Margaret Walls and Virginia McConnell, *Transfer of Development Rights in U.S. Communities: Evaluating Program Design, Implementation, and Outcomes*, Resources for the Future, September 2007.

Virginia McConnell, Margaret Walls, and Nick Kelly. *Markets for Preserving Farmland in Maryland: Making TDR Programs Work Better*. Harry R. Hughes Center for Agro-Ecology Report, February 2007.

Margaret Walls, *Extended Producer Responsibility Policies and Product Design: Economic Theory and Selected Case Studies*, OECD Environment Directorate Report ENV/EPOC/WGWPR(2005)9/FINAL, Paris, France: February 2006.

Virginia McConnell and Margaret Walls, *The Value of Open Space: Evidence from Studies of Nonmarket Benefits*, Resources for the Future Report, January 2005.

Karen Palmer and Margaret Walls, *The Product Stewardship Movement: Evaluating Costs, Effectiveness, and the Role for Policy*, Resources for the Future Report, November 2002.

Lewis Evans, Neil Quigley, and Margaret Walls, *Review of the Road Management and Funding Policies Proposed in "Better Transport, Better Roads,"* Report to the New Zealand Secretary of Transport, December 1999.

Lewis Evans, David Boles de Boer and Margaret Walls, *A Cost-Benefit Study of the Privatisation of New Zealand Railways*, New Zealand Institute for the Study of Competition and Regulation report to the New Zealand Treasury, August 1999.

## OTHER PUBLICATIONS

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Josh Blonz, Dallas Burtraw, and Margaret Walls, "How Do the Costs of Climate Cap and Trade Affect Households?" *Proceedings of the 103<sup>rd</sup> Annual Conference on Taxation*, Washington DC: National Tax Association. Forthcoming 2011.

Juha Siikamaki and Margaret Walls, "Reconnecting Americans to Nature," RFF Policy Commentary, April 18, 2011.

Margaret Walls, "Review of 'A Smart Energy Policy – An Economist's Rx for Cheap, Clean, and Secure Energy,' by James M. Griffin (Yale University Press)," *Journal of Economic Literature* 48(3), September 2010.

Margaret Walls and Juha Siikamaki, "Connecting Americans to the Great Outdoors," *Resources* Summer 2010.

Dallas Burtraw, Richard Sweeney, and Margaret Walls, "Crafting a Fair and Equitable Climate Policy: A Closer Look at the Options," *Resources* Fall 2008.

Elizabeth Kopits, Virginia McConnell, and Margaret Walls, "The Tradeoff between Private Lots and Public Open Space in Subdivisions at the Urban-Rural Fringe," *Regulation* Issue 3 (September) 2008.

Virginia McConnell and Margaret Walls, "Preservation and Development: Can TDRs Improve Land Markets?" RFF Weekly Policy Commentary, June 16, 2008. Available at <http://www.rff.org/>.

Don Fullerton and Margaret Walls, "Trash Talk," RFF Weekly Policy Commentary December 3, 2007. Available at <http://www.rff.org>.

Virginia McConnell, Margaret Walls, and Elizabeth Kopits, "Explaining Sprawl: How Much Does Zoning Matter?" *Resources* Spring 2006.

Karen Palmer and Margaret Walls, "Putting the 'Prod' in Product Stewardship," *Waste News*, March 31, 2003.

Margaret Walls, "Motor Vehicles, U.S. Attitudes, and Inaction on Climate Change," *Victoria Economic Commentaries*, September 1996, pp 30-40.

Winston Harrington, Margaret Walls, and Virginia McConnell, "Using Economic Incentives to Reduce Auto Pollution," *Issues in Science and Technology*, Winter 1994-95; reprinted in *ChemTech*, May 1995.

Margaret Walls, "Motor Vehicles and Pollution in Central and Eastern Europe," *Resources*, Fall 1993, No. 113 (Resources for the Future: Washington, DC)

Margaret Walls and Robert P. Anex, Review of *War on Waste: Can America Win Its Battle With Garbage?* in *Environmental History Review*, Winter 1993.

Margaret Walls and Barbra L. Marcus, "Should Congress Allow States to Restrict Waste Imports?" *Resources*, Winter 1993, No. 110 (Resources for the Future: Washington, DC).

Molly Macauley and Margaret Walls, "Government Interventions to Reduce Solid Waste: The Cost-Effectiveness of Alternative Policies," *Science and Technology Research Priorities for Waste Management in California*, Prepared for the California Integrated Waste Management Board by the California Council on Science and Technology, November 1992.

Alan J. Krupnick and Margaret Walls, "Cost-effectiveness of Methanol Vehicles," *Resources*, Summer 1990, No. 100 (Resources for the Future: Washington, DC).

## WORKING PAPERS

Karen Palmer, Margaret Walls, Hal Gordon, and Todd Gerarden, "Assessing the Energy Efficiency Information Gap: Results from a Survey of Home Energy Auditors," *Resources for the Future Discussion Paper*, September 2011.

Nicholas Magliocca, Virginia McConnell, and Margaret Walls, "Explaining Sprawl: Spatial Patterns and Time Paths of Development on the Urban Fringe," *Resources for the Future Discussion Paper*, August 2011.

Margaret Walls, Virginia McConnell, and Nicholas Magliocca, "How Do Development Impact Fees Affect Land and Housing Prices and Spatial Patterns of Land Use on the Urban Fringe?" Paper presented at Association of Environmental and Resource Economists Annual Summer Conference, Seattle, WA, June 9, 2011.

Daniel Morris and Margaret Walls, "Climate Change and Outdoor Recreation Resources," *Resources for the Future Backgrounder* April 2009.

Margaret Walls, "Parks and Recreation in the United States: Local Park Systems," *Resources for the Future Backgrounder* May 2009.

Margaret Walls, "Parks and Recreation in the United States: State Park Systems," *Resources for the Future Backgrounder* January 2009.

Margaret Walls, "Parks and Recreation in the United States: The National Park System," *Resources for the Future Backgrounder* January 2009.

Margaret Walls, "Federal Funding for Conservation and Recreation: The Land and Water Conservation Fund," *Resources for the Future Backgrounder* January 2009.

Yi Jiang, Elena Safirova, and Margaret Walls, "Working from Home: The Effects of Commute Distance and Congestion," working paper, Dec. 2007. Presented at North American Regional Science Council Meetings, Savannah, GA, November 7-10, 2007.

Margaret Walls and Virginia McConnell, "Incentive-Based Land Use Policies and Water Quality in the Chesapeake Bay," *Resources for the Future Discussion Paper* 04-20, April 2004.

Karen Palmer, Margaret Walls, and Amy Lamson, "A New Example of Incentive-Based Environmental Policy: Packaging Waste Recovery Notes in the U.K.," Working Paper, July 2003.

Winston Harrington, James Sanchirico, and Margaret Walls, "Effects of Climate Change Policies on the U.S. Household Transportation Sector," *Resources for the Future Discussion Paper* 03-17, March 2003.

Margaret Walls, Winston Harrington, and Alan Krupnick, "Population Density, Transit Availability and Vehicle Travel: Results from a Nested Logit Model of Vehicle Ownership and Use," Working Paper, January 2002.

Margaret Walls, "Comments on the Use of Cost-Benefit Analysis and EPR," paper presented at the OECD Seminar on Extended Producer Responsibility: Programme Implementation and Assessment, Paris, December 2001.

## OTHER CURRENT RESEARCH

Improving Home Energy Efficiency: Evaluating Consumer Loans versus Subsidies (for presentation at USAEE/IAEE conference, Washington, DC, October 11, 2011)

Energy Efficiency Financing: Assessing Market Barriers and Evaluating Government and Utility Programs (with Karen Palmer)

Current Challenges for Urban Parks

Land Use Strategies for Adaptation to Extreme Precipitation Events from Climate Change (with Carolyn Kousky and Sheila Olmstead)

Barriers to Smart Growth: Facing the Reality of Land and Housing Markets (for 2011 Conference on the Environment: Smart Growth? Environmental and Social Implications, Goodwin-Niering Center for the Environment, Connecticut College, March 4-5, 2011)

## SELECTED PROFESSIONAL ACTIVITIES AND AWARDS

Co-Leader, Resources for the Future-National Energy Policy Institute project, *Toward a New National Energy Policy: Assessing the Options*, 2008-2010 (see [http://www.rff.org/News/Features/Pages/Introduction\\_Assessing\\_the\\_Options.aspx](http://www.rff.org/News/Features/Pages/Introduction_Assessing_the_Options.aspx)).

Study Director, Outdoor Resources Review Group, 2008-2009 (see [www.rff.org/orrg](http://www.rff.org/orrg)).

Member, National Research Council, Committee on National Tire Efficiency, 2005-2006. Final report available at <http://www.nas.edu/morenews/20060404.html>.

Member, European Environment Agency High-level Network of Leading Economists, 2004-2006.

Stakeholder, National Electronics Product Stewardship Initiative, 2001-2003 (see [www.nepsi.org](http://www.nepsi.org)).

Member, White House Committee on Policy Options for Reducing Greenhouse Gas Emissions from Personal Motor Vehicles, 1994-1995.

Member, advisory panel for U.S. Congress Office of Technology Assessment study on advanced automotive technologies, 1995-1996.

Distinguished economist, Kentucky Economic Association, awarded October 2003.

Member:

American Economic Association

Association of Environmental and Resource Economists

## PERSONAL

- Date of birth: December 11, 1959
- Married, 3 children
- US citizen