

CURRICULUM VITAE

**Margaret Walls**

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EXPERIENCE

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Resources for the Future, Washington, DC

**Interim Vice President for Research**, September 2016 – present

**Research Director**, January 2012 – September 2016

**Senior Fellow**, February 2006 – present. Thomas Klutznick Chair (first recipient), February 2010-February 2013.

**Resident Scholar**, November 2000 – February 2006

Victoria University, Wellington, New Zealand

**Associate Professor**, School of Economics and Finance, January 1996 – November 2000

Resources for the Future, Washington, DC

**Fellow**, October 1987 – January 1996. Indefinite appointment (equivalent of academic tenure) granted in 1994.

EDUCATION

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University of California-Santa Barbara

**Ph.D. in Economics**, 1988

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

Dissertation Committee Chair: Robert Deacon

University of Kentucky

**B.S. in Agricultural Economics**, 1981

REFEREED JOURNAL PUBLICATIONS

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*Under Review or Resubmission*

Margaret Walls, Nicholas Magliocca and Virginia McConnell, “Modeling Coastal Land and Housing Markets: Understanding the Competing Influences of Amenities and Storm Risks.” *Ocean and Coastal Management*. Revisions requested December 2016.

Nicholas Magliocca, Margaret Walls and Virginia McConnell, “Spatial and Temporal Sensitivities in an Agent-based Model of Residential Location Decisions and Coastal Development Dynamics,” *International Journal of Geographical Information Science*. Revisions requested December 2016.

Karen Palmer and Margaret Walls, “Does Information Provision Shrink the Energy Efficiency Gap in Commercial Buildings? An Evaluation of City Benchmarking and Disclosure Laws.” *Regional Science and Urban Economics*. Revisions requested May 2015.

Published or In Press

Rebecca Epanchin-Niell, Carolyn Kousky Alexandra Thompson, and Margaret Walls, “Threatened Protection: Sea Level Rise and Coastal Protected Lands of the Eastern United States.” Forthcoming in *Ocean and Coastal Management*.

Rebecca Epanchin-Niell, Yusuke Kuwayama, and Margaret Walls, “Spatial-Dynamic Complexities of the Climate Challenge for Rural Areas: Integrating Resource and Regional Economic Insights.” Forthcoming in *American Journal of Agricultural Economics*.

Margaret Walls, Todd Gerarden, Karen Palmer, and Xian Bak, “Is Energy Efficiency Capitalized in Home Prices? Evidence from Three U.S. Cities.” *Journal of Environmental Economics and Management* 82 (March) 2017, pp 104-124 (published online Dec. 2016).

Karen Palmer and Margaret Walls, “Using Information to Close the Energy Efficiency Gap: A Review of Benchmarking and Disclosure Ordinances.” Forthcoming in *Energy Efficiency* (published online Sept. 2016).

Nicholas Magliocca, Virginia McConnell, and Margaret Walls, “Exploring Sprawl: Results from an Economic Agent-Based Model of Land and Housing Markets.” *Ecological Economics* 113 (May) 2015, pp 114-125.

Karen Palmer and Margaret Walls, “Limited Attention and the Residential Energy Efficiency Gap.” *American Economic Review* V105, no. 5 (May) 2015, pp 192-195.

Margaret Walls, Carolyn Kousky, and Ziyang Chu, “Is What You See What You Get? The Value of Natural Landscape Views,” *Land Economics* V91, no. 1 (February) 2015, pp 1-19.

Carolyn Kousky and Margaret Walls, “Floodplain Conservation as a Flood Mitigation Strategy: Examining Costs and Benefits,” *Ecological Economics* 104 (August) 2014, pp 119-128.

Margaret Walls, “Comparing Subsidies, Loans, and Standards for Improving Home Energy Efficiency,” *Cityscape* V16, no. 1 (March) 2014, pp 253-278.

Carolyn Kousky, Sheila Olmstead, Margaret Walls, and Molly Macauley, “Strategically Placing Green Infrastructure: Cost-Effective Land Conservation in the Floodplain,” *Environmental Science and Technology* V47, no. 8 (April) 2013, pp 3563–3570.

Karen Palmer, Margaret Walls, Hal Gordon, and Todd Gerarden, “Assessing the Energy Efficiency Information Gap: Results from a Survey of Home Energy Auditors,” *Energy Efficiency* V6, no. 2 (May) 2013, pp 271-292.

Joshua Blonz, Dallas Burtraw, and Margaret Walls, “Social Safety Nets and U.S. Climate Policy Costs,” *Climate Policy* V12, no. 4 (July) 2012, pp 474-490.

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* V42 (January) 2012, pp 198-210.

Nicholas Magliocca, Virginia McConnell, Elena Safirova, and Margaret Walls, “An Agent-Based Model of Coupled Housing and Land Markets,” *Computers, Environment, and Urban Systems* V35, no. 3 (May) 2011, pp 183-191.

Joshua 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* V10, no. 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*, V62 (September) 2009, pp 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* V94, 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* V89, 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*, V12, 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*, V59, 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*, V27, 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*, V34, 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*, V40, 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*, V9, 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*, V37, no. 11 (June) 2003, pp 217-223.

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.

#### CURRENT WORKING PAPERS

Karen Palmer, Margaret Walls, and Lucy O’Keeffe, “Putting Information into Action: What Explains Follow-Up on Home Energy Audits?” Resources for the Future Discussion Paper 15-34, July 2015.

Margaret Walls and Ziyang Chu, “How Do Housing Markets Evaluate a Hurricane ‘Near-Miss?’” Paper presented at Association of Environmental and Resource Economists Summer Conference, San Diego, CA, June 5, 2015.

Lucy O’Keeffe, Karen Palmer, Margaret Walls and Kristin Hayes, “Energy Benchmarking and Disclosure: Summary of a Workshop on City Experiences, Market Impacts and Program Evaluation,” Resources for the Future Discussion Paper 15-10, March 2015.

Margaret Walls, “Markets for Development Rights: Lessons Learned From Three Decades of a TDR Program,” Resources for the Future Discussion Paper 12-49, December 2012 (Paper prepared for UCSB Workshop on Environmental Markets, April 19, 2012).

#### WORK IN PROGRESS

Margaret Walls, Carolyn Kousky, Jonathan Remo and Ziyang Chu, “Climate Adaptation in the Floodplain: The Economics of Strategic Property Buyouts.”

Margaret Walls, Celso Ferreira, Jessica Chu and Ali M. Rezaie, “Valuing the Ecosystem Services of Coastal Wetlands: Protection from Hurricane Storm Surge.”

Nicholas Magliocca, Virginia McConnell and Margaret Walls, “Reacting to Extreme Weather Events: Modeling Land Use Change after Repeated Hurricanes.”

#### SELECTED RECENT BLOG POSTS AND COMMENTARIES

Franchising National Parks? Lessons from the Nobel Laureates. *Common Resources*, November 2, 2016. <http://www.rff.org/blog/2016/franchising-national-parks-lessons-nobel-laureates>.

Reflecting on America’s Great Outdoors: Persistent Challenges and Enduring Recommendations. *Common Resources*, May 26, 2016. Reprinted (with permission) in *National Parks Traveler*, <http://www.nationalparkstraveler.com/2016/06/reflecting-americas-great-outdoors-persistent-challenges-and-enduring-recommendations>.

The Storm Gathering over Public Lands. *Common Resources*, April 25, 2016. <http://www.rff.org/blog/2016/storm-gathering-over-public-lands>.

Protecting our National Parks: Changing the Structure of Entrance Fees Can Help. *Common Resources*, April 18, 2016. <http://www.rff.org/blog/2016/protecting-our-national-parks-changing-structure-entrance-fees-can-help>.

How Cities Are Taking the Lead on Green Building. *Wall Street Journal, The Experts Blog*, April 28, 2016. <http://on.wsj.com/1TelTEb>.

Why Won’t People Invest in Energy Efficiency—Even When It Saves Them Money? *Wall Street Journal, The Experts Blog*, September 15, 2015. <http://on.wsj.com/1KisLM1>.

Reauthorizing the Land and Water Conservation Fund: Three Key Issues. *Common Resources*, April 22, 2015. <https://shar.es/1sgE27>.

Why Now is the Right Time for a Carbon Tax. *Wall Street Journal, The Experts Blog*, April 2, 2015. <http://www.wsj.com/articles/BL-258B-5371>.

Energy Benchmarking and Disclosure Policies: Cities Take the Lead on Energy Efficiency in Buildings. *Common Resources*, March 20, 2015. <http://shar.es/1gEncs>.

Land Conservation and Sea Level Rise—Florida Edition *Common Resources*, November 24, 2014. <http://shar.es/1XkyQS>.

Should Coastal Communities Consider Transfer of Development Rights? *Common Resources*, May 9, 2014. <http://shar.es/1XkzHv>.

Will Philanthropy Solve Park Funding Problems? Not Likely. *Common Resources*, January 21, 2014. <http://shar.es/1XkzqT>.

Let's Take a Step Back from the Fracking Issue. *Wall Street Journal, The Experts Blog*, Nov. 14, 2013. <http://blogs.wsj.com/experts/2013/11/14/lets-take-a-step-back-from-the-fracking-issue/>.

How Energy Efficiency Features are Reflected in Home Prices (with Karen Palmer). *Common Resources*, Aug. 27, 2013. <http://shar.es/1XkzAY>.

Gasoline Taxes: It's Time to Think Outside the Box. *Wall Street Journal, The Experts Blog*, Apr. 18, 2013. <http://stream.wsj.com/story/experts-energy/SS-2-135538/SS-2-212905/>.

Give Information, Accompanied by a 'Nudge'. *Wall Street Journal, The Experts Blog*, Apr. 16, 2013. <http://stream.wsj.com/story/experts-energy/SS-2-135538/SS-2-212905/>.

Looking for a Sustainable Funding Model for State Parks. *Common Resources*, Mar. 27, 2013. <http://shar.es/1Xkz80>.

First, Let's Shift Incentives by Pricing Carbon. *Wall Street Journal, The Experts Blog*, Mar. 27, 2013. <http://stream.wsj.com/story/experts-energy/SS-2-135538/SS-2-198287/>.

## BOOK CHAPTERS

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Carolyn Kousky, Margaret Walls, and Ziyang Chu, "Measuring Resilience to Climate Change: The Benefits of Forest Conservation in the Floodplain," *Proceedings of the Pinchot Institute Forest Conservation in the Anthropocene Conference*. U.S. Forest Service Pacific Southwest Research Station (peer reviewed). 2014.

Margaret Walls and Anne Riddle, "Land Use Policies in the U.S. for Protecting Biodiversity and Ecosystem Services," in *Encyclopedia of Energy, Natural Resources and Environmental Economics*, Jason Shogren, ed. (Amsterdam: Elsevier) 2013.

Joshua Blonz, Dallas Burtraw, and Margaret Walls, "Climate Policy's Uncertain Outcomes for Households: The Role of Complex Allocation Schemes in Cap-and-Trade," Mark A. Cohen, Don Fullerton, and Robert Topel, eds. *Distributional Aspects of Energy and Climate Policies* (Cheltenham: Edward Elgar), 2013.

Margaret Walls, "Deposit-Refund Systems in Practice and Theory," in *Encyclopedia of Energy, Natural Resources and Environmental Economics*, Jason Shogren, ed. (Amsterdam: Elsevier) 2013.

Dallas Burtraw, Margaret Walls, and Josh Blonz, "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.

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

Margaret Walls, *Private Funding of Public Parks: Assessing the Role of Philanthropy*. RFF Issue Brief, January 2014.

Margaret Walls. *Paying for State Parks: Evaluating Alternative Approaches for the 21st Century*. Resources for the Future, January 2013.

Karen Palmer, Margaret Walls, and Todd Gerarden. *Borrowing to Save Energy: An Assessment of Energy Efficiency Financing Programs*. Resources for the Future, March 2012.

Carolyn Kousky, Sheila Olmstead, Margaret Walls, Adam Stern, and Molly Macauley. *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, 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. (Also published as Lincoln Institute of Land Policy Report).

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

Karen Palmer and Margaret Walls, "What Homeowners Say About Home Energy Audits," *Resources* 188, 2015.

Margaret Walls, "Private Funding of Public Parks," *Resources* 186, 2014.



Margaret Walls, "Dedicated Funds for Parks: Designing the Right Approach," *Parks and Recreation* magazine, March 2013.

Joshua 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. 2011.

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

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, 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.

Elizabeth Kopits, Virginia McConnell, and Margaret Walls, "A Market Approach to Land Preservation," *Resources*, Issue 150, Spring 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 Barbara 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).

#### SELECTED RECENT GRANTS

Modeling to Promote Regional Resilience to Repeated Heat Waves and Hurricanes. *National Science Foundation* (with University of Michigan, Johns Hopkins University, Georgetown University, George Mason University, and Maryland Institute College of Art). October 2013 – September 2017. \$978,118 (RFF allocation).

Using Information from Market Transactions to Value Ecosystem Service Benefits from Forests. *U.S. Forest Service*. August 2012 – August 2017. \$150,000.

The Resources for the Future Energy Efficiency Information Initiative: Understanding the Role of Information Policies and Programs in Closing the Energy Efficiency Gap. *Alfred P. Sloan Foundation*. July 2013 – June 2015. \$445,890.

Creating Resilience to Climate Change: Cost-Effective Land Conservation in the Floodplain. *NOAA Climate Program Office, Climate and Societal Interactions–Sectoral Applications Research Program*. August 2012 – July 2015. \$298,264.

Evaluating State Park Funding Models. *Stephen D. Bechtel, Jr. Foundation*. July 2012 – January 2013. \$75,000.

The Role of Land Use in Adaptation to Increased Precipitation and Flooding: A Case Study in the Great Lakes Region. February 2011 – February 2012. *NOAA Coastal Services Center*. \$128,250.

Subsidies versus Loans for Improving Residential Energy Efficiency. *Stephen D. Bechtel, Jr. Foundation*. July 2011 – December 2012. \$52,000.

Toward a New National Energy Policy: Assessing the Options. *George Kaiser Family Foundation*. March 2008 – December 2010. \$1.4 million.

Global Climate Change and the Next Administration. *Doris Duke Charitable Foundation*. February 2009 – December 2010. \$150,000.

Can Markets for Development Rights Improve Land Use and Environmental Quality? *U.S. Environmental Protection Agency Science to Achieve Results (STAR)*. January 2008 – May 2009. \$277,739.

The State of the Great Outdoors: America’s Parks, Public Lands, and Recreation Resources. *Laurance S. Rockefeller Fund, American Conservation Association, Richard King Mellon Foundation, and David and Lucile Packard Foundation*. May 2008 – November 2009. \$459,760.

#### SELECTED PROFESSIONAL ACTIVITIES AND AWARDS

Member, *The Wall Street Journal* Experts/The Experts Panel - Energy, January 2013-present.

Participant, Systems Approach to Geomorphic Engineering (SAGE) Science and Technical Team, July 2015-present.

Research Advisory Committee member, American Farmland Trust, 2012-2014.

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.

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

Stakeholder, National Electronics Product Stewardship Initiative, 2001-2003.

Distinguished economist, Kentucky Economic Association, awarded October 2003.

Research Associate, New Zealand Institute for the Study of Competition and Regulation, 1997-2000.

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.

Member:

American Economic Association

Association of Environmental and Resource Economists