

Ian W.H. Parry

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Personal Details

Born: Leeds, England (1965)
Married to Taryn Parry (1993)
Children: Shannan (1999),
Alexander (2001), Meghan
(2003)

Education

Ph.D., Economics, University of Chicago, 1993. Advisors: Gary Becker, Sherwin Rosen, George Tolley.
M.A., Economics, University of Warwick (U.K.), 1987.
B.A. Economics (first-class honors), University of Sheffield (U.K.), 1986.

Professional Experience

Fellow, Resources for the Future, Washington, DC, 1995-present (senior fellow since 2003).
Adjunct Professor, Department of Economics, Georgetown University, Washington, DC 1996-7.
Research Fellow, Economic Research Service, US Department of Agriculture, Washington, DC, 1993-5.
Professor, Center for Economic Research and Graduate Education, Prague, Czech Republic, 1992-93.
Lecturer, Department of Economics, Australian National University, Canberra, Australia, 1991.
Lecturer, Department of Economics, University of Chicago, Chicago, 1990.

Journal Articles

1. "Designing Climate Mitigation Policy." (With Joseph Aldy, Alan J. Krupnick, Richard G. Newell, and William A. Pizer). *Journal of Economic Literature*, forthcoming.
2. "Should New Antimalarial Drugs Be Subsidized?" (With Ramanan Laxminarayan, David L. Smith, and Eili Klein). *Journal of Health Economics*, forthcoming.
3. "How Should Passenger Travel in Mexico City be Priced?" (With Govinda R. Timilsina). *Journal of Urban Economics*, forthcoming.
4. "Alcohol/Leisure Complementarity: Empirical Estimates and Implications for Tax Policy." (With Sarah E. West). *National Tax Journal* LXII: 611-634, 2009.
5. "Pricing Urban Congestion." *Annual Review of Resource Economics* 1: 461-484, 2009.
6. "Fiscal and Externality Rationales for Alcohol Taxes." (With Ramanan Laxminarayan and Sarah E. West). *B.E. Journal of Economic Analysis & Policy* (Contributions) 9, Article 29, 1-45, 2009.
7. "Should Urban Transit Subsidies Be Reduced?" (With Kenneth Small). *American Economic Review*, 99: 700-724, 2009.
8. "A Tax-Based Approach to Slowing Global Climate Change." (With Joseph Aldy and Eduardo Ley). *National Tax Journal* LXI: 493-518, 2008.

9. "Instrument Choice in Environmental Policy." (With Lawrence H. Goulder). *Review of Environmental Economics and Policy* 2: 152-174, 2008.
10. "How Should Heavy-Duty Trucks be Taxed?" *Journal of Urban Economics* 63: 651-668, 2008.
11. "Should Corporate Average Fuel Economy (CAFE) Standards be Tightened?" (With Carolyn Fischer and Winston Harrington). *Energy Journal* 28: 1-29, 2007.
12. "Are the Costs of Reducing Greenhouse Gases from Passenger Vehicles Negative?" *Journal of Urban Economics* 62: 273-293, 2007.
13. "Automobile Externalities and Policies." (With Winston Harrington and Margaret Walls). *Journal of Economic Literature* XLV: 374-400, 2007.
14. "Fiscal Interactions and the Costs of Pollution Control from Electricity." *RAND Journal of Economics* 36: 849-869, 2005.
15. "Comparing the Welfare Effects of Public and Private Health Care Subsidies in the United Kingdom." *Journal of Health Economics* 24: 1191-1209, 2005.
16. "Does Britain or The United States Have the Right Gasoline Tax?" (With Kenneth A. Small). *American Economic Review* 95: 1276-1289, 2005.
Reprinted in V. McConnell and W. Harrington, *Controlling Automobile Pollution*, Ashgate Publishing, Aldershot, United Kingdom, 2007 and in Kathleen Segerson, *The Economics of Pollution Control*, International Library of Critical Writings in Economics, Edward Elgar, forthcoming.
17. "Is Pay-as-You-Drive Insurance a Better Way to Reduce Gasoline than Gasoline Taxes?" *American Economic Review Papers and Proceedings* 288-293, 2005.
18. "Comparing Alternative Policies to Reduce Traffic Accidents." *Journal of Urban Economics* 56: 346-368, 2004.
19. "Are Emissions Permits Regressive?" *Journal of Environmental Economics and Management* 47: 364-387, 2004.
Reprinted in D. Fullerton, *Distributional Effects of Environmental and Energy Policy*, Ashgate Publishing, Aldershot, United Kingdom, 2009.
20. "The Economics of Fuel Economy Standards." (With Paul R. Portney, Howard K. Gruenspecht, and Winston Harrington) *Journal of Economic Perspectives* 17 (Fall): 203-217, 2003.
21. "Fiscal Interactions and the Case for Carbon Taxes Over Grandfathered Carbon Permits." *Oxford Review of Economic Policy* 19: 385-399, 2003.
Reprinted in Dieter Helm (ed.), *Climate Change Policy*, Oxford University Press, 218-327, 2005.
22. "How Large are the Welfare Losses from Tax Competition?" *Journal of Urban Economics* 54: 39-60, 2003.

23. "How Large are the Welfare Gains from Technological Innovation Induced by Environmental Policies?" (With William A. Pizer and Carolyn Fischer). *Journal of Regulatory Economics* 23: 237-255, 2003.
24. "Instrument Choice for Environmental Protection when Technological Innovation is Endogenous." (With Carolyn Fischer and William A. Pizer). *Journal of Environmental Economics and Management* 45: 523-545, 2003.
Reprinted in Richard Brooks and Nathaniel O. Keohane (eds.), *Economics of Environmental Law* vol. 2, Edward Elgar, Northampton, MA, forthcoming.
25. "On the Costs of Excise Taxes and Income Taxes in the UK." *International Tax and Public Finance* 10: 281-304, 2003.
26. "On the Implications of Technological Innovation for Environmental Policy." *Environment and Development Economics* 8: 57-76, 2003.
27. "Funding Transportation Spending in Metropolitan Washington, DC: The Costs of Alternative Revenue Sources." *Journal of Urban Economics* 52: 362-390, 2002.
28. "Tax Deductions and the Marginal Welfare Cost of Taxation." *International Tax and Public Finance* 9: 531-551, 2002.
29. "Comparing the Efficiency of Alternative Policies for Reducing Traffic Congestion." *Journal of Public Economics* 85: 333-362, 2002.
30. "Estimating the Welfare Effect of Congestion Taxes: The Critical Importance of other Distortions within the Transport System." (With Antonio M. Bento). *Journal of Urban Economics* 51: 339-365, 2002.
31. "Early Emission Reduction Programs: An Application to CO₂ Policy." (With Michael Toman). *Energy Journal* 23: 73-96, 2002.
32. "Revenue Recycling and the Welfare Effects of Road Pricing." (With Antonio M. Bento). *Scandinavian Journal of Economics* 103: 645-671, 2001.
33. "The Costs of Restrictive Trade Policies in the Presence of Factor Tax Distortions." *International Tax and Public Finance* 8: 147-170, 2001.
34. "Tax Deductions, Environmental Policy, and the "Double Dividend" Hypothesis." (With Antonio M. Bento). *Journal of Environmental Economics and Management* 39: 67-96, 2000.
Reprinted in L. Goulder (ed.), *Environmental Policy Making in Economies with Prior Tax Distortions*, Edward Elgar, Northampton, MA, 2002.
35. "Policy Analysis in the Presence of Distorting Taxes." (With Wallace E. Oates). *Journal of Policy Analysis and Management* 19: 603-614, 2000.
Reprinted in L. Goulder (ed.), *Environmental Policy Making in Economies with Prior Tax Distortions*, Edward Elgar, Northampton, MA, 2002 and in W. Oates (ed.), *Environmental Policy and Fiscal Federalism: Selected Essays of Wallace E. Oates*, Edward Elgar, 2004.

36. "The Cost-Effectiveness of Alternative Instruments for Environmental Protection in a Second-Best Setting." (With Lawrence H. Goulder, Dallas Burtraw and Robertson C. Williams). *Journal of Public Economics* 72: 329-360, 1999.
Reprinted in M. Hoel (ed.), *Recent Developments in Environmental Economics*, Edward Elgar, Northampton, MA, 329-360, 2003 and in L. Goulder (ed.), *Environmental Policy Making in Economies with Prior Tax Distortions*, Edward Elgar, Northampton, MA, 2002.
37. "A Second-Best Evaluation of Eight Policy Instruments to Reduce Carbon Emissions." (With Robertson C. Williams). *Resource and Energy Economics* 21: 347-373, 1999.
Reprinted in M.A. Toman and B. Sohngen, *Climate Change*, International Library of Environmental Economics and Policy Series, Ashgate Publishing, Aldershot, UK, 2004.
38. "When Can Carbon Abatement Policies Increase Welfare? The Fundamental Role of Distorted Factor Markets." (With Lawrence H. Goulder and Robertson C. Williams). *Journal of Environmental Economics and Management* 37: 52-84, 1999.
Reprinted in T. Tietenberg (ed.), *The Theory and Decisions of Emissions Trading Programs*, International Library of Environmental Economics and Policy Series, Ashgate Publishing, Aldershot, UK, 2002, and in L. Goulder (ed.), *Environmental Policy Making in Economies with Prior Tax Distortions*, Edward Elgar, Northampton, MA, 2002.
39. "Agricultural Policies in the Presence of Distorting Taxes." *American Journal of Agricultural Economics* 81: 212-230, 1999.
40. "Pollution Regulation and the Efficiency Gains from Technological Innovation." *Journal of Regulatory Economics* 14: 229-254, 1998.
41. "A Second Best Analysis of Environmental Subsidies." *International Tax and Public Finance* 5: 157-74, 1998.
Reprinted in L. Goulder (ed.), *Environmental Policy Making in Economies with Prior Tax Distortions*, Edward Elgar, Northampton, MA, 2002.
42. "Revenue-Raising vs. Other Approaches to Environmental Protection: The Critical Significance of Pre-Existing Tax Distortions." (With Lawrence H. Goulder and Dallas Burtraw). *RAND Journal of Economics* 28: 708-31, 1997.
Reprinted in L. Goulder (ed.), *Environmental Policy Making in Economies with Prior Tax Distortions*, Edward Elgar, Northampton, MA, 2002.
43. "Environmental Taxes and Quotas in the Presence of Distorting Taxes in Factor Markets." *Resource and Energy Economics* 19: 203-20, 1997.
Reprinted in L. Goulder (ed.), *Environmental Policy Making in Economies with Prior Tax Distortions*, Edward Elgar, Northampton, MA, 2002.
44. "Pollution Taxes and Revenue Recycling." *Journal of Environmental Economics and Management* 29: S64-S77, 1995.
Reprinted in L. Goulder (ed.), *Environmental Policy Making in Economies with Prior Tax Distortions*, Edward Elgar, Northampton, MA, 2002 and in Richard E. Just, Darrel L. Heuth and Andrew Schmitz, *Applied Welfare Economics*, Edward Elgar, Northampton, MA, 2008, 459-474.
45. "Optimal Pollution Taxes and Endogenous Technological Progress." *Resource and Energy Economics* 17: 69-85, 1995.

46. "Public Expenditure Policy and the Environment: A Review and Synthesis." (With Sanjeev Gupta and Kenneth Miranda). *World Development* 23: 515-28, 1995.
47. "Some Estimates of the Insurance Value Against Climate Change from Reducing Greenhouse Gas Emissions." *Resource and Energy Economics* 15: 99-115, 1993.

Discussion Papers

1. "International Fuel Tax Assessment: An Application to Chile." (With Jon Strand).

Books

Issues of the Day: 100 Commentaries on Environmental, Energy, Transportation, and Other Problems (edited by Ian Parry and Felicia Day). Resources for the Future, forthcoming.

Book Chapters and Reports

1. "How Much Should Highway Fuels Be Taxed?" In Gilbert E. Metcalf (ed.), *US Energy Taxation*, Cambridge University Press, forthcoming.
2. *Fuel Taxes in Chile*. (With Jon Strand). Report prepared for the Chilean Ministry of Finance (funded by the Inter-American Development Bank), 2009.
3. *Transitions to Alternative Transportation Technologies: A Focus on Hydrogen*. Committee on Assessment of Resource Needs for Fuel Cell and Hydrogen Technologies, National Research Council, 2008.
4. "Emissions Trading versus CO₂ Taxes versus Standards." (With William A. Pizer). In Raymond J. Kopp and William A. Pizer (eds.) *Assessing US Climate Policy Options*, Resources for the Future, Washington, DC, 2007.
5. "The Incidence of Pollution Control Policies." (With Hilary Sigman, Margaret Walls and Roberton C. Williams). In Tom Tietenberg and Henk Folmer (eds.), *The International Yearbook of Environmental and Resource Economics 2006/2007*, Edward Elgar, Northampton, MA, 1-42, 2006.
6. "Welfare and Distributional Effects of HOT Lanes and other Road Pricing Policies in Metropolitan Washington DC." (With Elena Safirova, Kenneth Gillingham, Peter Nelson, Winston Harrington, and David Mason). In Georgina Santos (ed.), *Road Pricing: Theory and Practice, Research in Transportation Economics* 9, Elsevier, 179-206, 2004.
7. *The Costs of US Oil Dependency*. (With Joel Darmstadter). Report prepared for National Commission on Energy Policy, 2003.

8. *Adjusting Carbon Cost Analyses to Account for Prior Tax Distortions*. Report prepared for Environmental Protection Agency, 2001.
9. "Revenue Recycling and the Costs of Reducing Carbon Emissions." In M.A. Toman (ed.), *Climate Change Economics and Policy: An RFF Anthology*, Resources for the Future, Washington, DC: 119-124, 2001.
10. "Greenhouse Gas "Early Reduction" Programs: A Critical Appraisal." (With Michael Toman). In M.A. Toman (ed.), *Climate Change Economics and Policy: An RFF Anthology*, Resources for the Future, Washington, DC: 191-197, 2001.
11. "Productivity Trends in the Natural Resource Industries: A Crosscutting Analysis." In D. Simpson (ed.) *Understanding Productivity Change in Natural Resource Industries*, pp. 175-204, Resources for the Future: Washington, D.C., 1999.
12. "Carbon Abatement: Lessons from Second-Best Economics." In B.A. Kuhn and G. Frisvold (eds.), *Global Environmental Change and Agriculture: Assessing the Impacts*, pp. 327-346, Edward Elgar: Northampton, MA, 1999. Reprinted in P.G. Fredriksson (ed.), *Trade, Global Policy and the Environment*, World Bank, Washington, DC, 1999.
13. "Agricultural Adaptation to Climate Change: Issues of Long Run Sustainability." (With David Schimmelpfennig, Jan Lewandrowski, John Reilly and Mariano Tsigas) *Agricultural Economic Report* No. 740, U.S. Department of Agriculture, Washington, DC, 1996.

Shorter Articles

1. "Time to Raise Alcohol Taxes?" *Regulation*, Fall, 10-13, 2009.
2. "Is Cap-and-Trade the Most Efficient System to Reduce Carbon Emissions? No" *Americas Quarterly*, summer 2009, 19-21.
3. "Is Alcohol Consumption Undertaxed?" *Resources*, Fall 2009, 22-24.
4. "Raise \$100 Billion from a \$20 CO₂ Tax." *Tax Notes* 123 (2): 243-247.
5. "Should Gasoline Taxes be Increased?" *Harvard College Economic Review* 3: 7-9.
6. "Combating Global Warming: Is Taxes or Cap-and-Trade a Better Strategy for Reducing Greenhouse gas Emissions?" (With William A. Pizer). *Regulation* 30: 18-22, 2007. Reprinted in *Carbon Trading: Some Insights and Perspectives*, Radha Purswani (ed.), Icfai University Press, Hyderabad.
7. "Should We Abandon Cap-and-Trade in Favor of a CO₂ Tax?" *Resources*, Summer, 6-10, 2007.
8. "The Case for a Pay-by-the Barrel Oil Tax." *Resources*, Fall: 26-28, 2006.
9. "The Uneasy Case for Higher Gasoline Taxes." *Milken Institute Review*, Fourth Quarter: 36-45, 2005. Reprinted in *Current Magazine*.
10. "Should Fuel Economy Standards be Raised?" *Resources*, Fall, 15-19, 2005.
11. "Should Fuel Taxes Be Scrapped in Favor of Pay-by-the-Mile Charges?" *World Economics* 6: 91-102, 2005.
12. "Fiscal and Externality Arguments for Alcohol Taxes." (With Sarah West). *National Tax Association Proceedings* 12-18, 2004.
13. "Petroleum: Energy Independence is Unrealistic." (With John Anderson). *Resources*, Winter 2005, 11-15. Reprinted in W.E. Oates (ed.), *The RFF Reader in Environmental and Resource Management*, Resources for the Future, Washington, DC, 175-180, 2005.

14. "Do Gasoline Taxes and Fuel Economy Standards Increase Economic Efficiency?" *Dialogue* (Newsletter of the US Association for Energy Economics), 12 (November) 2004.
15. "Slaking Our Thirst for Oil." (With Joel Darmstadter). In R.D. Morgenstern and P. Portney (eds.), *New Approaches on Energy and the Environment*, Resources for the Future, Washington DC, 23-27, 2004.
16. "Pay-as-You-Drive for Car Insurance." (With Winston Harrington). In R.D. Morgenstern and P. Portney (eds.), *New Approaches on Energy and the Environment*, Resources for the Future, Washington DC, 53-56, 2004.
17. "Pay as You Slow: Road Pricing to Reduce Traffic Congestion." (With Elena Safirova). In R.D. Morgenstern and P. Portney (eds.), *New Approaches on Energy and the Environment*, Resources for the Future, Washington DC, 63-67, 2004. Reprinted in W.E. Oates (ed.), *The RFF Reader in Environmental and Resource Management*, Resources for the Future, Washington, DC, 88-92, 2005.
18. "Theory and Application of Externality Taxes: Introduction and Overview." *Public Finance and Management*, (editor's introduction) 3: 1-11, 2003.
19. "Do the Benefits of Tightening CAFE Outweigh the Costs?" Prepared for The Climate Policy Center, 2003 (available at: www.cpc-inc.org/library/files/17_parrynov03.pdf).
20. "Are All Market-Based Environmental Regulations Equal?" *Issues in Science and Technology* XIX: 38-41, 2002.
21. "Is Northern Virginia Voting on the Right Transportation Tax?" (With Peter Nelson and Martin Wachs). *State Tax Notes* 26 (4): 271-275, 2002.
22. "Is Gasoline Undertaxed in the United States?" *Resources* 148: 28-33, 2002. Reprinted in W.E. Oates (ed.), *The RFF Reader in Environmental and Resource Management*, Resources for the Future, Washington, DC, 83-87, 2005.
23. "The Costs of Increasing Transportation Spending in Metropolitan Washington DC." *Resources* 144: 17-20, 2001.
24. "Are Gasoline Taxes in Britain too High?" *Challenge* 44: 67-81, 2001.
25. "How Large are the Gains from Technological Innovation induced by Environmental Policies?" *AERE Newsletter* 21 (May): 9-13, 2001.
26. "Paying too Much for Petrol: Can Britain justify using its high Fuel Taxes to pay for Social Spending?" *Regulation* 23:18-20, 2000.
27. "Reducing Carbon Emissions: Interactions with the Tax System Raise the Cost." *Resources* 128: 9-12, 1997. Reprinted in W.E. Oates (ed.), *The RFF Reader in Environmental and Resource Management*, Resources for the Future, Washington, DC, 2000.
28. "Green Tax Reform and the Double Dividend." (With Lawrence H. Goulder). *AERE Newsletter* 20 (May): 9-13, 2000.
29. "The Double Dividend: When You Get It and When You Don't." *National Tax Association Proceedings* 46-51, 1998.

Comments and Book Reviews

1. Response to "Finding the Right Pigou Tax in a World of Imperfect Coasian Bargains" by John Nye (with Kenneth A. Small), *Regulation* 31 (summer): 38-39, 2008.
2. Comment on "The Myth of Energy Insecurity" by Philip Auerswald, *Issues in Science and Technology*, Fall: 21, 2006.
3. Comment on "A Green Approach to Tax Reform" by Craig Hanson, *Issues in Science and Technology*, Spring: 21, 2006.
4. Review of *Theory and Practice of Excise Taxation: Smoking, Drinking, Gambling, Polluting and Driving*, edited by Sijbren Cnossen, *National Tax Journal* LVIII: 837-842.

5. “On the (Ir)Relevance of Distribution and Labor Supply Distortion to Government Policy: Comment” (With Lawrence Goulder and Robertson Williams). *Journal of Economic Perspectives* 19: 233, 2005.
6. Comment on “Taking Global Warming to Market” by Sen. Joseph Lieberman, *The American Interest* Winter: 139, 2005.
7. “The Death of the Pigovian Tax: Comment” (With Robertson Williams). *Land Economics* 80: 575-581, 2004.
8. “Fuel Economy Standards: Reply” (With Paul Portney and Winston Harrington). *Journal of Economic Perspectives* 18, 273-274, 2004.
9. Review of *Agriculture, Environment and Health: Sustainable Development in the 21st Century*, by V.W. Ruttan, (ed.), *American Journal of Agricultural Economics* 76: 990-91, 1994.
10. Review of *Industrial Economics and Organization*, by D.A. Hay and D.J. Morris, *Economic Record* 68: 190-92, 1992.

Research Funding

- US Environmental Protection Agency
- US National Highway and Traffic Safety Administration
- National Science Foundation
- Robert Wood Johnson Foundation
- National Institutes of Health
- Sloan Foundation
- Hewlett Foundation

Student Awards and Honors

- Bradley/Becker fellowship, University of Chicago, 1988–1991
- Century Fellowship, University of Chicago, 1987–1991
- Economic and Social Research Council Scholarship (UK), 1986–1987
- Economics prize, University of Sheffield, 1985

Memberships and Professional Activities

- Treasurer, Association of Environmental and Resource Economists, 2002–2008.
- Editorial Council, *Journal of Environmental Economics and Management*, 2000–2008.
- Member, American Economic Association, Association of Environmental and Resource Economists, National Tax Association, International Institute of Public Finance.
- Referee for *American Economic Review*, *Journal of Political Economy*, *Quarterly Journal of Economics*, *American Economic Journals: Economic Policy*, *Journal of Public Economics*, *RAND Journal of Economics*, *Journal of Environmental Economics and Management*, *International Economic Review*, *Journal of Law and Economics*, *International Tax and Public Finance*, *Journal of Regulatory Economics*, *Journal of Industrial Economics*, *National Tax Journal*, *European Economic Review*, *Economic Inquiry*, *Review of Economic Studies*, *Resource and Energy Economics*, *Environment and Natural Resource Economics*, *Journal of Urban Economics*, *American Journal of Agricultural Economics*, *Scandinavian Journal of Economics*, *Fiscal Studies*, *Environment and Development Economics*, *Energy*

Journal, Climate Policy, Journal of Economics, Journal of Development Economics, Regional Science and Urban Economics, Ecological Economics, Transportation Research, BE Journals in Economic Analysis and Policy, European Journal of Political Economy, Climatic Change, Energy Economics, Energy Policy, Contemporary Economic Policy, Social Science and Medicine, FinanzArchiv, Journal of the Japanese and International Economies, Spanish Economic Review, Economic Modelling, Journal of Institutional and Theoretical Economics, Journal of Regional Science.

- Reviewer for National Science Foundation, US Environmental Protection Agency, Robert Wood Johnson Foundation, American Agricultural Economics Association, Transportation Research Board, and Pew Center on Global Climate Change.