

## **BARRY GEORGE RABE**

### **OFFICE ADDRESS**

Gerald R. Ford School of Public Policy  
University of Michigan  
5234 Weill Hall  
735 So. State St.  
Ann Arbor, MI 48109-3091  
734-615-9596  
brabe@umich.edu

### **HOME ADDRESS**

1427 Ross Street  
Plymouth, Michigan 48170

### **EDUCATION**

- Ph.D. University of Chicago. 1985. Political Science. Dissertation: "Functional Federalism and the Management of Federal Programs in Health Care and Education"
- M.A. University of Chicago. 1980. Social Sciences.
- B.A. Carthage College. 1979. (*Summa Cum Laude*); History (Departmental Honors) and Urban Studies.

### **CURRENT POSITIONS**

J. Ira and Nicki Harris Family Professor of Public Policy, Gerald R. Ford School of Public Policy, University of Michigan

Arthur F. Thurnau Professor of Environmental Policy, College of Literatures, Science, and the Arts, University of Michigan

Director, Center for Local, State, and Urban Policy, Gerald R. Ford School of Public Policy

Professor of the Environment, College of Literature, Science, and the Arts, University of Michigan

Professor of Political Science, College of Literature, Science, and the Arts, University of Michigan (courtesy)

Professor of Environmental Policy, School of Natural Resources & Environment, University of Michigan (courtesy)

Non-Resident Senior Fellow, Governance Studies Program, Brookings Institution, Washington, D.C.

Fellow, National Academy of Public Administration

## **PREVIOUS POSITIONS**

Visiting Professor, Miller Center of Public Affairs, University of Virginia, 2008-2009.

Associate Professor of Health Politics, Department of Public Health Policy and Administration and Department of Health Management and Policy, School of Public Health, University of Michigan, 1992-1998.

Visiting Associate Professor, La Follette Institute of Public Affairs, University of Wisconsin - Madison, 1994.

Visiting Fellow, Institute on International Environmental Governance, Dartmouth College, Hanover, New Hampshire, 1993.

Assistant Professor of Health Politics, Department of Public Health Policy and Administration, School of Public Health, University of Michigan, 1985-92.

Staff Associate, Governmental Studies Program, Brookings Institution, Washington, D.C., 1984-87.

Research Fellow, Conservation Foundation, Washington, D.C., 1984-85.

Research Fellow, Governmental Studies Program, Brookings Institution, 1983-84.

Assistant Project Director and Research Assistant, National Institute of Education, "Federalism, Education and Equity" study, 1981-83, Stanford University and the University of Chicago.

## **PROFESSIONAL SERVICE (Select)**

Committee on Risk Management and Governance Issues in Shale Gas Development, National Research Council, 2013-14.

Co-Chair, Academy Annual Meeting Program, National Academy of Public Administration, 2011.

National Oceanic and Atmospheric Climate Service Panel, National Academy of Public Administration, 2010-11.

President, Federalism and Intergovernmental Relations Section, American Political Science Association, 2008-2010.

External Advisory Council, Global Policy Research Council, Purdue University, 2010-2014.

Board of Visitors, Institute for the Environment of the University of North Carolina, Chapel Hill, 2008-2011.

Chair, Levine Best Book Award Committee, American Political Science Association, 2008-2009.

Journal Editorial Boards:

*Governance: An International Journal of Policy, Administration, and Institutions* (2007-present)

*Publius: The Journal of Federalism* (2008-present)

*Government and Policy* (2011-present)

*Political Research Quarterly* (2008-present)

*Review of Policy Research* (2009-present)

*American Review of Canadian Studies* (2003-2011)

*Journal of Health Politics, Policy, and Law* (1991-2002)

Martha Derthick Best Book Award Committee, Chair, American Political Science Association, 2007-2008.

Executive Committee, Federalism and Intergovernmental Relations Section, American Political Science Association, 2006-2008.

Faculty Advisory Board, Broadview Press of Canada, 2005-2008.

Lynton Keith Caldwell Award Committee, Member and Chair, Science, Technology, and Policy Section, American Political Science Association, 2005-2007.

President, Public Policy Section, American Political Science Association, 2004-2005.

Section Head, Environment and Natural Resources, Association for Canadian Studies in the United States, 2004-2005.

Daniel Elazar Distinguished Scholar Award Committee, Federalism and Intergovernmental Relations Section, American Political Science Association, 2004-2005

Book Series Editor, American Governance and Public Policy, Georgetown University Press, 1994-2004.

Trans-Atlantic Climate Change Policy Dialogue Group, Brookings Institution and German Embassy, 2004.

Policy Studies Program Advisory Committee, Mount Royal College, Calgary, 2004-2007.

President-Elect and Program Chair, Public Policy Section, American Political Science Association, 2003-2004

Homeland Security and Federalism Task Force, Century Foundation, 2002-2003.

Executive Council, Policy Studies Organization, 2000-2008. Vice President, 2002-2005.

Aaron Wildavsky Award Committee, American Political Science Association, 2000-2001.

Executive Committee, Public Policy Section, American Political Science Association, 1995-98, 2002-2003.

Coordinator, U.S. Environmental Protection Agency Community Liaison Project for Hazardous Waste Management Facilities, 1997-98.

Advisory Panel, President's Commission on Sustainable Development, Regulatory Policy Options Cluster, 1994-96.

National Advisory Panel, Pollution Prevention Pilot Project, Natural Resources Defense Council 1995-96.

Advisory Committee, Great Lakes Water Quality Agreement Assessment Project, 1994-96.

Consultant and Advisory Board, Environmental Policy Tools Project, U.S. Office of Technology Assessment, Oceans and Environment Program, 1994-95.

Advisory Committee, Great Lakes Ecosystem Charter Project, Great Lakes Commission, 1993-95.

Leonard White Public Administration Award Committee, American Political Science Association, 1994-95.

Advisory Committee, Water Quality Permit Evaluation Project, Wisconsin Department of Natural Resources, 1994.

Technical Assessment Panel, Great Lakes Protection Fund, 1992-95.

Advisor to Director of Economic Policy and Regulatory Policy Working Group Coordinator, National Clinton-Gore Campaign, 1992.

Coordinator, Wingspread Conference on Great Lakes Environmental Regulatory Integration and Pollution Prevention, 1992.

Commission on Pediatric Emergency Medical Services, Institute of Medicine, 1991-1993.

North American Environmental Assessment Panel, Johnson Foundation, 1990-1996.

Chair, Medical Waste Study Review Panel, U.S. Office of Technology Assessment, 1990.

Journal article referee; 1986-present:

*Administration and Society; American Journal of Political Science; American Political Science Review; Canadian-American Public Policy; Canadian Public Administration; Canadian Public Policy; Canadian Political Science Review; Environmental and Planning; Environmental Politics; Global Environmental Policy; Government and Policy; Governance: An International Journal of Policy and Administration; International Environmental Affairs; International Journal of Urban Sciences; Journal of the American Planning Association; Journal of Natural Resources Policy Research; Journal of Public Administration Research and Theory; Journal of Policy Analysis and Management; Journal of Health Politics, Policy and Law; Journal of Policy History; Journal of Politics; Policy Studies Journal; Policy Studies Review; Political Research Quarterly; Political Science Quarterly; Publius: The Journal of Federalism; Review of Policy Research; Risk Decision and Policy; State and Local Government Review; State Politics and Policy Quarterly*

Book manuscript referee, 1986-present:

Brookings Institution Press; Cambridge University Press; CQ Press; Duke University Press; Georgetown University Press; Harvard University Press; Island Press; MIT Press;

Oxford University Press; Prentice-Hall; Princeton University Press; Resources for the Future Press; State University of New York Press; University of Michigan Press; University of North Carolina Press; University of Toronto Press; University Press of New England; Yale University Press

Harold Lasswell Award Committee, Policy Studies Organization, 1988-89.

Michigan AIDS Program Review Panel, 1986-88.

Advisory Committee, Hazardous Materials Research Program, Argonne National Laboratory, 1985.

Wisconsin Governor's Commission on Library and Informational Service, 1978-80.

### **UNIVERSITY OF MICHIGAN SERVICE (Select)**

University of Michigan Committee on Greenhouse Gas Reduction, 2014-2015

Director, Center for Local, State, and Urban Policy, Gerald R. Ford School of Public Policy, 2012-present.

Centennial Planning Committee, Chair, Gerald R. Ford School of Public Policy, 2011-12

Arthur F. Thurnau Professorship Review Committee, 2011-2012.

Provost's Faculty Review Committee, Interdisciplinary Junior Faculty Initiative, 2009-2010.

Provost's Task Force on Multidisciplinary Learning and Team-Teaching, 2006-2008.

Executive Board, Graham Environmental Sustainability Institute, 2007-present.

Search Committee, Graham Environmental Sustainability Institute Director, 2007-2008.

Director, Program in the Environment, College of Literature, Science, and the Arts, 2002-2005.

Executive Committee, Gerald R. Ford School of Public Policy, 2003-2005, 2008, 2011-2013.

Promotion and Tenure Committee, School of Natural Resources and Environment, 2003-2005.

Interim Dean, School of Natural Resources and Environment, 2000-2001.

Environmental Sciences and Studies Undergraduate Curriculum Development Committee, College of Literature, Science, and the Arts, 1999-2000.

University of Michigan Steering Committee for Environmental Issues and Research on Campus, 1998-99.

Research Committee, School of Natural Resources and Environment, 1998-99.

Committee on Future Directions for the School of Public Health, 1997-98.

Faculty Search Committee Chair, 1990-91, 1991-92, 1992-93, 1995-96, 2002-2003, 2010-11, 2013-14, 2014-15.

Search Committee, Chair of Department of Environmental and Industrial Health, School of Public Health, 1997-98.

Coordinator, Public Health Policy Program, School of Public Health, 1995-96.

Deanship Search Advisory Committee, School of Natural Resources and Environment, 1995-96.

Executive Committee, School of Public Health, 1994-97.

Executive Committee, University of Michigan Global Change Project, 1995-98.

Executive Committee, Department of Health Management and Policy, School of Public Health, 1995-97.

Governing Board, Resource on Health Management and Policy, School of Public Health, 1988-98.

Provost's Task Force on Environmental Studies, 1991-1992.

Executive Committee, Department of Public Health Policy and Administration, School of Public Health, 1986-89; 1990-93.

President, Board of Directors, Lutheran Campus Ministry at the University of Michigan, 1991.

Chair, Program and Call Committees, Board of Directors, Lutheran Campus Ministry at the University of Michigan, 1986-90.

## **HONORS AND FELLOWSHIPS**

Public Policy Scholar, Woodrow Wilson International Center for Scholars, 2015.

Distinguished Alumnus Award, Carthage College, 2014.

Faculty Speaker, 89<sup>th</sup> Annual Honors Convocation of the University of Michigan, 2012.

J. Ira and Nicki Harris Family Professor of Public Policy, 2012-present.

Arthur F. Thurnau Professorship, University of Michigan, 2011-present.

Outstanding Instructor Award, Program in the Environment, University of Michigan, 2010-11.

Fellow, National Academy of Public Administration, 2009-present.

Daniel Elazar Award for Career Contribution to the Study of Federalism, Federalism and Intergovernmental Relations Section, American Political Science Association, 2007.

Climate Protection Award, U.S. Environmental Protection Agency, 2006.

Lynton Keith Caldwell Award for Outstanding Book on Environmental Politics and Policy, Science, Technology, and Environmental Policy Section, American Political Science Association, 2005.

Excellence in Education Award, College of Literature, Science, and the Arts, 2005.

Senior Fellow, University of Michigan Society of Fellows, 2000-2004.

Excellence in Teaching Award, School of Public Health, University of Michigan, 1997.

J.E. Hodgetts Award for Outstanding English Language Article in *Canadian Public Administration*, 1995.

Outstanding Young Alumnus Award, Carthage College, 1990.

William Anderson Award, Outstanding Doctoral Dissertation in State and Local Politics, Federalism, and Intergovernmental Relations, American Political Science Association, 1987.

Brookings Institution, Research Fellowship in Governmental Studies, 1983-84.

Edmund Hillman Fellowship in Government and Political Economy, University of Chicago, 1981-82.

Carthage College Senior Leadership Award, 1979.

Spielman Award for Outstanding Scholarship, Character and Service in the Social Sciences, Carthage College, 1978.

## **RESEARCH GRANTS**

“Energy Policy Durability,” Alfred Sloan Foundation and American Academy of Arts & Sciences, 2015-2016 (Co-investigator)

“Great Lakes Policy Research Network Initiative,” Social Sciences and Humanities Research Council of Canada, 2012-2014 (Co-principal investigator)

“Pricing Carbon: Provincial Formation of Energy and Climate Policy,” Canadian Studies Faculty Research Grant Program, 2010-2012 (Principal investigator)

“State and Nation: Michigan Opinion on Climate Change in a National Context,” Center for Local, State, and Urban Policy, University of Michigan, 2010-11.

“The National Conference on Climate Governance,” Emily Hall Tremaine Foundation and Oak Hill Foundation, in collaboration with the Miller Center of Public Affairs, 2008-2010. (Project Director)

“The National Survey on American Public Opinion on Climate Change and Policy,” the WestWind Foundation, 2008-2009. (Co-principal investigator)

“The Climate of Opinion: Public Attitudes toward Global Warming and Policy Alternatives in Michigan and Pennsylvania,” Center for Local, State, and Urban Policy, University of Michigan, 2007-2008. (Principal investigator)

“Nanotechnology and Public Policy,” Nanotechnology and Society Research Group, National Science Foundation, 2006-2010. (Co-investigator)

“Trans-border Environmental Governance,” Woodrow Wilson International Center for Scholars and the Canadian Embassy, 2007-2009. (Co-principal investigator)

“Renewable Mandates: Portfolio Standards as a Tool for Greenhouse Gas Emission Reduction,” Pew Center on Global Climate Change, 2005-2006. (Principal investigator)

- “After Kyoto: Toward Implementation of Greenhouse Gas Reduction Policy in Canada,” Canadian Studies Faculty Research Grant Program, 2003-2005. (Principal investigator)
- “Statehouse and Greenhouse: State-Level Policy Innovation in Greenhouse Gas Reduction,” Pew Center on Global Climate Change, 2000-2002. (Principal investigator)
- “The Politics of Global Climate Change: Implementing a ‘Law of the Atmosphere’ in Canada and the United States,” Canadian Studies Faculty Research Grant Program, 1998-2000. (Principal investigator)
- “The Role of Voluntarism in Radioactive Waste Facility Siting and Management,” Canadian Studies Faculty Research Grant Program, 1996-97. (Principal investigator)
- “The Evolution Toward Cross-Media Regulatory Integration: Experience and Attitudes at the State Level,” President’s Commission on Sustainable Development, 1994-1995. (Principal investigator)
- “The Politics of Pollution Prevention in Canada and the United States,” Canadian Studies Faculty Research Grant Program, 1994-95. (Principal investigator)
- “Consolidated Permitting Approaches,” U.S. Congress, Office of Technology Assessment, 1994. (Principal investigator)
- “Collective Choice and the Siting of Low-Level Radioactive Waste Disposal Facilities in Canada and the United States,” Canadian Studies Faculty Research Grant Program, 1992-1993. (Co-principal investigator)
- “Beyond the NIMBY Syndrome: The Politics of Hazardous Waste Management in Canada and the United States,” Canadian-American Committee of National Planning Association and C.D. Howe Institute, 1991-94. (Principal investigator)
- “Toward Environmental Regulatory Integration in the Great Lakes Basin,” Joyce Foundation, 1991-93. (Principal investigator)
- “The Politics of Cross-Media Pollution in the Great Lakes Basin,” Joyce Foundation, 1990-91. (Principal investigator)
- “Hazardous Waste Facility Siting: Subnational Policy in Canada and the United States,” Canadian Studies Faculty Research Grant Program, 1988-89. (Principal investigator)
- “Ramifications of Subcommittee Governance for Congressional Reauthorization of Superfund,” Conservation Foundation, 1987-88. (Principal investigator)

## **PUBLICATIONS**

### **Books**



*Greenhouse Governance: Addressing Climate Change in America*, editor (Washington, D.C.: Brookings Institution, 2010).

*Statehouse and Greenhouse: The Emerging Politics of American Climate Change Policy* (Washington, D.C.: Brookings Institution, 2004).

*Beyond NIMBY: Hazardous Waste Siting in Canada and the United States* (Washington, DC: Brookings Institution, 1994). (Published jointly with the National Planning Association, Washington, DC, and the C.D. Howe Institute, Toronto).

*When Federalism Works* (Washington, DC: Brookings Institution, 1986). (Co-authored with Paul E. Peterson, and Kenneth K. Wong)

*Fragmentation and Integration in State Environmental Management* (Washington, DC: Conservation Foundation, 1986).

### **Journal Articles**

“The Durability of Carbon Cap-and-Trade Policy,” *Governance: An International Journal of Policy, Administration, and Institutions* (in press, 2015).

“Risks and Risk Governance in Unconventional Shale Gas Development,” *Environmental Science & Technology*, vol. 48, no. 15 (August 2014): 8287-8297 (co-authored with Mitchell J. Small, Paul C. Stern, et al.)

“Weather or Not? Examining the Impact of Meteorological Conditions on Public Opinion regarding Global Warming,” *Weather, Climate and Society*, vol. 6 (July 2014): 413-424. (co-authored with Christopher P. Borick)

“Shale Play Politics: The Intergovernmental Odyssey of American Shale Governance,” *Environmental Science & Technology*, vol. 48, no. 15 (February 2014): 8369-8375.

“Conventional Politics for Unconventional Drilling? Lessons from Pennsylvania’s Early Move into Fracking Policy Development,” *Review of Policy Research*, vol. 30, no. 3 (2013): 321-340.

“Political Impediments to a Tobacco End-Game,” *Tobacco Control*, vol. 22, no. 3 (2013): 52-54.

“Carbon Taxation and Policy Labeling: Experience from the American States and Canadian Provinces,” *Review of Policy Research*, vol. 29, no. 3 (May 2012): 359-383. (Co-authored with Christopher P. Borick)

“Policy Attitudes toward Climate Science and Climate Policy in Federal Systems: Canada and the United States Compared,” *Review of Policy Research*, vol. 29, no. 3 (May 2012): 335-358. (co-authored with Erick Lachapelle and Christopher P. Borick).

“Contested Federalism and American Climate Policy,” *Publius: The Journal of Federalism*, vol. 41, no. 3 (Summer 2011): 494-521.

“The Aversion to Direct Cost-Imposition: Selecting Climate Policy Tools in the United States,” *Governance: An International Journal of Policy, Administration, and Institutions*, vol. 23, no. 4 (October 2010): 583-608.

“A Reason to Believe: Examining the Factors that Determine Americans’ Views of Global Warming,” *Social Science Quarterly*, vol. 91, no. 3 (2010): 777-800. (Co-authored with Christopher P. Borick).

“The Absence of Governance: Climate Change in Canada and the United States,” *Canadian-American Public Policy*, vol. 73 (2009): 1-44.

“Public Opinion and Climate Change: Analysis of the Virginia Climate Survey,” *Virginia Environmental Law Journal*, vol. 27, no. 3 (2009): 177-203. (Co-authored with Christopher Borick).

“States on Steroids: The Intergovernmental Odyssey of American Climate Policy,” *Review of Policy Research*, vol. 25, no. 2 (2008): 105-128.

“Comment,” *Arizona Law Review* 50 (3) (2008): 787-792.

“Environmental Policy in the Bush Era: The Collision Between the Administrative Presidency and State Experimentation,” *Publius: The Journal of Federalism* 37 (Summer 2007): 413-431.

“Beyond Kyoto: Designing Policies to Reduce Greenhouse Gases in Competing Federal Systems,” *Governance: An International Journal of Policy, Administration and Institutions* 20 (July 2007): 423-444.

“Race to the Top: The Expanding Role of U.S. State Renewable Portfolio Standards,” *Sustainable Development Law and Policy* 12 (Spring 2007): 10-16.

“State Competition as a Source Driving Climate Change Mitigation,” *New York University Environmental Law Review*, vol. 14, no. 1 (2005): 1-53. (Co-authored with Mikael Román and Arthur Dobelis)

“North American Federalism and Climate Change Policy,” *Widener Law Journal*, Symposium Issue on Climate Change Policy, vol.14, no.1 (2004): 121-172.

“Beyond Siting: Implementing Voluntarism in Waste Facility Siting,” *American Review of Canadian Studies* 30 (Winter 2000): 455-478. (co-authored with J. Becker and R. Levine)

“Federalism and Entrepreneurship: Explaining American and Canadian Innovation in Pollution Prevention and Regulatory Integration,” *Policy Studies Journal* 28 (1999): 288-306.

“Comparative Analysis of Canadian and American Environmental Politics and Policy,” *Policy Studies Journal* 28 (1999): 263-266. (Co-authored with W. Lowry)

“The Politics of Global Climate Change: Implementing a ‘Law of the Atmosphere’ in American States and Canadian Provinces,” *The LaFollette Policy Report* 10 (Spring/Summer 1999): 5-6, 20-24.

“Toward the Sustainable State: Environmental Policy Innovation in Minnesota,” *Journal of Great Lakes Law, Science and Policy* 2 (Fall 1998): 191-210.

“Environmental Risk and the Politics of Assurance,” *Risk Decision and Policy* 2 (December 1997): 245-258. (Co-authored with J.M. Gillroy)

“The Politics of Sustainable Development, Canada-Style,” *Canadian Public Administration* 40 (Fall 1997): 415-435.

- “The Politics of Ecosystem Management in the Great Lakes Basin,” *American Review of Canadian Studies* 27 (Autumn 1997): 411-436.
- “An Empirical Examination of Innovations in Integrated Environmental Management: Experience in the Great Lakes Basin,” *Public Administration Review* 56 (July/August 1996): 372-381.
- “Integrating Mine Permitting Processes,” *Journal of Solid Waste Management and Technology* 23 (May 1996): 107-110.
- “Integrated Environmental Permitting: Experience and Innovation at the State Level,” *State and Local Government Review* 27 (Fall 1995): 209-220. Reprinted in *National Environmental Enforcement Journal* 12 (April 1997): 3-12.
- “The Evolution of Regional Regulatory Integration: Regime Emergence in the Great Lakes Basin,” *International Environmental Affairs* 7 (Fall 1995): 346-363. (Co-authored with J.B. Zimmerman)
- “Integrating Environmental Regulation: Permitting Innovation at the State Level,” *Journal of Policy Analysis and Management* 14 (Summer 1995): 467-472.
- “Alternatives to NIMBY Gridlock: Voluntary Approaches to Radioactive Waste Facility Siting in Canada and the United States,” *Canadian Public Administration* 37 (Winter 1995): 644-666. (Co-authored with William Gunderson, and Peter Harbage)
- “Beyond Environmental Regulatory Fragmentation: Signs of Integration in the Great Lakes Basin,” *Governance: An International Journal of Policy and Administration* 8 (January 1995): 58-78. (Co-authored with Janet B. Zimmerman)
- “Voluntarism in the Siting of Hazardous Waste Facilities: Replication of the Initial Canadian Breakthrough,” *Journal of Resource Management and Technology* 21 (March 1994): 3-20.
- “NIMBY and MAYBE: Conflict and Cooperation in the Siting of Low-Level Radioactive Waste Disposal Facilities in the United States and Canada,” *Environmental Law* 24 (Winter 1994): 67-122. (Co-authored with William Gunderson, Hilary A. Frazer, and John M. Gillroy)
- “When Siting Works, Canada-Style,” *Journal of Health Politics, Policy and Law* 17 (Spring 1992): 119-142.
- “The Politics of Cross-Media Environmental Regulatory Integration: The Case of the Great Lakes,” *Environmental Law* 22 (1992): 253-279. (Co-authored with Janet B. Zimmerman)
- “From Pollution Control to Pollution Prevention: The Gradual Transformation of American Environmental Regulatory Policy,” *Environmental and Planning Law Journal* 8 (September 1991): 226-231.
- “Hazardous Waste Export in North America: Problems and Policy Options,” *International Environmental Affairs* 3 (Spring 1991): 108-123.
- “Beyond the NIMBY Syndrome in Hazardous Waste Facility Siting: The Albertan Breakthrough and the Prospects for Cooperation in Canada and the United States,” *Governance: An International Journal of Policy and Administration* 4 (April 1991): 184-206. Reprinted in *Tensions at the Border*, ed. Jonathan Lemco (New York: Praeger, 1992): 141-163. Reprinted in *Critical Studies in Organization and Bureaucracy*, eds. Frank Fischer and Carmen Sirianni (Philadelphia: Temple University Press, 1994): 622-643.

“Environmental Regulation in New Jersey: Innovations and Limitations,” *Publius: The Journal of Federalism* 21 (Winter 1991): 83-103.

“Legislative Incapacity: Congressional Policymaking and the Case of Superfund,” *Journal of Health Politics, Policy and Law* 15 (Fall 1990): 571-590.

“Low-Level Radioactive Waste Disposal and the Revival of Environmental Regionalism in the United States,” *Environmental and Planning Law Journal* 7 (September 1990): 171-180.

“Toward Cooperation in North American Hazardous Waste Facility Siting,” *Canada-U.S. Outlook* 1 (May 1990): 87-103.

“A Typology of Policy Interventions for Licit and Illicit Drugs,” *British Journal of Addiction*: 85 (1990): 255-262. (Co-authored with Kenneth E. Warner, Toby Citrin, George Pickett, Alex Wagenaar, and Jeffrey Stryker)

“Cross-Media Environmental Regulatory Integration: The Case of Canada,” *American Review of Canadian Studies* 19 (Fall 1989): 261-273.

“The Eclipse of Health Departments and Local Governments in American Environmental Regulation,” *Journal of Public Health Policy* 9 (Fall 1988): 376-392.

“Toward the Next Federalism,” *Forum for Applied Research and Public Policy* 3 (Fall 1988): 5-15.

“The Politics of Alternative Dispute Resolution in American Environmental Policy,” *Policy Studies Journal* 16 (Spring 1988): 585-601.

“The Refederalization of American Health Care,” *Medical Care Review* 44 (Spring 1987): 37-63. Reprinted in *Policy Studies Review Annual* 9 (New Brunswick, NJ: Transaction, 1989).

“Beyond Legislation: The Question of Implementation in Mental Health Policy,” *Mental Retardation Systems* 2 (May 1985): 9-22. (Co-authored with Jeffrey M. Anderson)

“The Role of Interest Groups in the Formation of Educational Policy,” *Teachers College Record* 84 (Spring 1983): 708-729; 748-752. (Co-authored with Paul E. Peterson)

“Educational Policy Implementation: Are Block Grant Proposals Based on Out-of-Date Research?” *Issues in Education* 1 (Winter 1983): 1-30. Reprinted in *Policy Studies Review Annual* 7 (New Brunswick, NJ: Transaction, 1985). (Co-authored with Paul E. Peterson)

## **Book Chapters**

“Racing to the Top, the Bottom, or the Middle of the Pack? The Evolving State Government Role in Environmental Protection,” in *Environmental Policy: New Directions for the Twenty-First Century*, Norman J. Vig and Michael E. Kraft eds. (Washington, D.C.: CQ/Sage, 2016), 33-57.

“A New Era of States’ Climate Policies,” in *Changing Climate Politics: U.S. Policies and Civic Action*, Yael Wolinsky ed. (Washington, D.C.: CQ/Sage, 2015).

- “Climate Compared: Intergovernmental Pathways in Canada and the United States,” in *Comparing Canada: Methods and Perspective on Canadian Politics*, Luc Turgeon, Martin Papillon, Jennifer Wallner, and Stephen White eds. (Vancouver: University of British Columbia Press, 2014): 222-246. (Co-authored with David Houle and Erick Lachapelle)
- “Bottom-Up Versus Top-Down: The Evolving American Climate Policy Odyssey,” in *Multilevel Environmental Governance*, Inger Weibust and James Meadowcroft eds. (London: Edward Elgar, 2014), ch. 7.
- “The Challenge of Regionalism: Integrating State and Provincial Climate Strategies,” in *Climate Change Policy in North America: Designing Integration in a Regional System*, Neil Craik, Isabel Studer, and Debora VanNijnatten eds. (Toronto: University of Toronto Press, 2013), 71-107.
- “Governance Lessons from the Health Care and Environment Sectors,” *Education Governance for the Twenty-First Century: Overcoming the Structural Barriers to School Reform*, Paul Manna and Patrick McGuinn eds. (Washington, D.C.: Brookings Institution Press, 2013): 275-300.
- “American Federalism and Climate Change: Policy Options and Public Opinion,” in *Climate Change and Land Policies*, Gregory Y. Ingram and Yu-Hung Hong eds. (Cambridge: Lincoln Institute of Land Policy, 2011): 389-406.
- “The ‘Impossible Dream’ of Carbon Taxes: Is the ‘Best Answer’ a Political Non-Starter?” in *Greenhouse Governance*, Rabe ed. (Washington, D.C.: Brookings Institution Press, 2010), pp. 126-157.
- “Can Congress Govern the Climate?” in *Greenhouse Governance*, Rabe ed. (Washington, D.C.: Brookings Institution Press, 2010), pp. 260-285.
- “Introduction: The Challenges of U.S. Climate Governance” and “Conclusion,” in *Greenhouse Governance*, Rabe ed. (Washington, D.C.: Brookings Institution Press, 2010), pp. 3-23 and 353-366.
- “States and the Governance of Nanotechnology,” *Regulating Uncertainty*, Christopher Bosso ed. (Washington, D.C.: Resources for the Future Press, 2010), pp. 105-130.
- “The Intergovernmental Dynamic of American Climate Change Policy,” in *Carbon Pricing and Environmental Federalism*, Thomas J. Courchene and John R. Allan eds. (Montreal: McGill-Queen’s University Press, 2010), pp. 129-157.
- “Governing the Climate from Sacramento,” *Unlocking the Power of Networks*, Stephen Goldsmith and Donald F. Kettl eds. (Washington, D.C.: Brookings Institution Press, 2009), pp. 34-61.
- “Second Generation Climate Policies in the American States: Proliferation, Diffusion, and Regionalization,” *Changing Climates in North America*, Henrik Selin and Stacy VanDeveer eds. (Cambridge: MIT Press, 2009), pp. 67-85. Earlier version published in *Issues in Governance Studies*, vol. 6 (August 2006): 1-9. Earlier version also published as “Taking it to the States,” in *Ignition: What You Can Do to Fight Global Warming*, Jon Isham and Sissel Waage eds. (Washington, D.C.: Island Press, 2007), pp. 223-238.
- “Climate Change and Multilevel Governance: The Evolving Local and State Roles,” in *Toward Sustainable Communities*, Daniel A. Mazmanian and Michael E. Kraft eds., 2<sup>nd</sup> edition (Cambridge: MIT Press, 2009), pp. 201-225. (Co-authored with Michele M. Betsill).

- “Sustainability in a Regional Context: The Case of the Great Lakes Basin,” in *Toward Sustainable Communities*, Daniel A. Mazmanian and Michael E. Kraft eds., 2<sup>nd</sup> edition (Cambridge: MIT Press, 2009), pp. 289-314. (Co-authored with Marc Gaden). (Revised version from 1<sup>st</sup> edition, 1999).
- “Regionalism and Global Climate Change Policy: Revisiting Multistate Collaboration as an Intergovernmental Management Tool,” in *Intergovernmental Management for the 21<sup>st</sup> Century*, Timothy Conlan and Paul Posner eds. (Washington, D.C.: Brookings Institution Press, 2008), pp. 176-205. Revised version published as “The Complexities of Carbon Cap-and-Trade Policies: Early Lessons from the States,” *Governance Studies Newsletter* (October 2008), pp. 1-15.
- “Business Influence in State-Level Environmental Policy,” in *Business and Environmental Policy*, Michael E. Kraft and Sheldon Kamieniecki eds. (Cambridge: MIT Press, 2007), pp. 265-297. (Co-authored with Philip Mundo)
- “Challenges to Climate Policy Development in Canada’s Multi-Level Governance System,” in *Comparative Trends and Smart Practices in Public Management*, Colin Campbell ed. (Ottawa: Canada School for Public Service, 2006), pp. 71-85.
- “Power to the States: The Promise and Pitfalls of Decentralization,” in *Environmental Policy: New Directions for the Twenty-first Century*, Norman J. Vig and Michael E. Kraft eds. (Washington DC: CQ Press, 2006): 34-56. (Revised version from 1996, 2000 and 2003 editions; revised version with new title in press)
- “Nuclear Waste Disposal,” in *The Government Taketh Away: The Politics of Pain in the United States and Canada*, Leslie Pal and R. Kent Weaver eds. (Washington, DC: Georgetown University Press, 2003): 195-232.
- “Sustainable Development and State Environmental Policy,” in *The Moral Austerity of Environmental Decision-Making: Sustainability and Democracy*, John Martin Gillroy and Joe Bowersox eds. (Durham: Duke University Press, 2002): 91-114.
- “Permitting, Prevention, and Integration: Lessons from the States,” in *Environmental Governance*, Donald Kettl ed. (Washington, D.C.: Brookings Institution, 2002): 14-57.
- “Comment,” in *Comparative Disadvantages?* Pietro Nivola ed. (Washington, D.C.: Brookings Institution, 1997): 232-237.
- “Voluntarism in Siting Radioactive Waste Facilities,” in *Hazardous Waste Siting and Democratic Choice*, Donald Munton ed. (Washington, DC: Georgetown University Press, 1996): 84-107. (Co-authored with W. Gunderson and P.T. Harbage)
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## **Media Engagement**

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*Angeles Times ; Houston Chronicle; Denver Post; Washington Times; Columbus Dispatch; CQ Weekly; C-SPAN; CNBC ; All Things Considered, Marketplace, Morning Edition, Talk of the Nation, Inside Energy, and It's All Politics, National Public Radio; BBC Radio; National Journal; Governing; U.S. News and World Report; Virginia Public Television; Michigan Public Television; Michigan Public Radio; Detroit Free Press; Detroit News; Metro Times; Greenwire; Argus Air Daily; E&E Daily; New Energy; El Ciervo; Globe and Mail; Sydney Morning Herald; Michigan Public Radio; Nevada Public Radio; Prairie Public Radio; Wisconsin Public Radio; Voice of America; Bloomberg.com; Bloomberg Businessweek; Reuters; Time Warner Cable News; Forbes; ClimateWire, Environment and Energy Daily; Greenwire; Climate Wire; Real Clear Policy; Inside Climate News; Nature World News; Associated Press; United Press International; Alternatives Internationales; Cronkite News; Discovery News; Voice of America; Huffington Post.*

### **Invited Talks (\* denotes multiple talks)**

American Academy of Arts and Sciences\*, American Enterprise Institute\*, Autonomous University of Barcelona, Brookings Institution\*, C.D. Howe Institute\*, Colgate University, College of William and Mary, Erb Institute for Global Sustainable Enterprise, Fordham University, Georgetown University, Harvard University\*, Kauper Lecture at the University of Michigan, Muhlenberg College, National Research Council\*, New York University Law School, Northwestern University, Peterson Institute of International Economics, Pew Center for Global Climate Change, Purdue University\*, Ryerson University, Syracuse University, University of Arizona Law School, University of British Columbia\*, University of Edinburgh, University of Maryland, University of Michigan Society of Fellows, University of Missouri, University of North Dakota, University of Nevada at Las Vegas, University of New Hampshire, University of North Carolina-Chapel Hill, University of Ottawa\*, University of Pittsburgh, University of Toronto, University of Vermont, University of Virginia Law School, University of Virginia Miller Center of Public Affairs\*, University of Windsor\*, Vanderbilt University, Virginia Tech University, Queen's University, Washington University\*, Woodrow Wilson International Center for Scholars\*.

### **Major Papers Since 2000**

“Trusting in the Future: The Return of American State Trust Funds in the Shale Era,” paper scheduled for presentation at the Annual Meeting of the European Consortium for Political Research, Montreal, 2015.

“Seasons Gone By: An Examination of Individual Perceptions of Past Weather and Their Views on Global Warming,” paper presented at the Annual Meeting of the Midwest Political Science Association, Chicago, 2015. (Co-authored with Christopher P. Borick and Erick Lachapelle)

“Cap-and-Trade Durability,” paper presented at the Middle Atlantic and Northeastern Canadian Studies Conference, Niagara Falls, 2014.

“The Politics of Energy Severance Taxes,” paper presented at the Annual Meeting of the American Political Science Association, Washington, D.C., 2014. (Co-authored with Rachel Hampton)

“The Great Divide: An Examination of Public Perceptions of Shale Gas Extraction and Hydraulic Fracturing in New York and Pennsylvania,” paper presented at the World Congress of Political Science, Montreal, 2014. (Co-authored with Erick Lachapelle and Christopher Borick)

“The New Era of Sub-Federal Climate Policy,” paper presented at the Annual Meeting of the National Environmental Studies Association, New York, 2014.

“Shale Play Politics: The American Intergovernmental Odyssey of Shale Governance,” paper presented at the National Research Council workshop on Shale Gas Risk and Governance, Washington, D.C., 2013.

“The Durability of Climate Policy,” paper presented at the Annual Meeting of the American Political Science Association, Chicago, 2013.

“Weather or Not: The Role of Local Weather Shifts on Public Understanding of Climate Change,” paper presented at the Annual Meeting of the American Political Science Association, New Orleans, 2012. Expanded version presented at the 2013 Annual Meeting of the American Association for Public Opinion Research. (Co-authored with Christopher Borick)

“The Conventional Politics of Unconventional Drilling: the Case of Shale Gas Development in Pennsylvania,” paper presented at the Annual Meeting of the Canadian Political Science Association, Edmonton, 2012.

“Governance Lessons from Health Care and the Environment,” paper presented at the Rethinking Education Governance in the Twenty-First Century Conference, Thomas B. Fordham Institute and Center for American Progress, Washington, D.C., 2011.

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“The Politics of Carbon Pricing in Canada and the United States,” paper presented at the Annual Meeting of the American Political Science Association, Seattle, 2011.

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“All Climate Is Local: Measuring the Effect of Weather Events on Perceptions of Global Warming,” paper presented at the Annual Meeting of the American Association of Public Opinion Research, Phoenix, 2011 (Co-authored with Christopher Borick)

“Building on Sub-Federal Climate Strategies: The Challenge of Regionalism,” paper presented at the Designing Integration: Regional Governance in Climate Change in North America conference, Waterloo, Ontario, 2010

“A Shadow of Belief: An Examination of Diminished Belief in Global Warming Among Americans,” paper presented at the Annual Meeting of the American Political Science Association, Washington, D.C., 2010. (Co-authored with Christopher Borick)

“Public Opinion and Climate Change Governance,” paper presented at the Annual Meeting of the American Political Science Association, Toronto, 2009. (Co-authored with Christopher Borick)

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“A Reason to Believe: An Examination of Factors that Determine Acceptance of Global Warming,” presented at the Annual Meeting of the Western Political Science Association, Vancouver, 2009. (Co-authored with Christopher Borick)

“The Absence of Governance: Climate Change Policy in Canada and the United States,” paper presented at the Annual Meeting of the Midwest Political Science Association, Chicago, 2009. Revised version of paper presented at the Conference on Trans-Border Environmental Governance in Canada and the United States, Woodrow Wilson International Center for Scholars, 2008.

“The Impossible Dream?: The Politics of Carbon Taxes,” presented at the National Conference on Climate Governance, Miller Center of Public Affairs, University of Virginia, 2008.

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“The Climate of Opinion: Public Attitudes Toward Climate Change and Policy Options in Michigan and Pennsylvania,” presented at the Annual Meeting of the American Association of Public Opinion Research, New Orleans, 2008. (Co-authored with Christopher Borick)

“Governing the Climate from Sacramento: Entrepreneurial Opportunity and Constraint and the Challenge of Network Governance,” presented at the Annual Meeting of the American Political Science Association, Chicago, 2007.

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“Can Congress Govern the Climate?” Presented at a Congressional Briefing organized by the Brademas Center for the Study of Congress, Rayburn House Office Building, 2007.

“Regionalism and Global Climate Change Policy: Revisiting Multi-State Collaboration as an Intergovernmental Policy Tool,” presented at the 2006 Annual Meeting of the American Political Science Association, Philadelphia.

“Race to the Top—The Expanding Role of State Renewable Portfolio Standards,” presented at the National Press Club, Washington, D.C., 2006.

“Climate Change Policy and Regulatory Federalism in Canada and the United States,” presented at the Annual Meeting of the American Political Science Association, Washington, D.C., 2005.

“Business Influence in State-Level Environmental Policy Formation,” presented at the Annual Meeting of the American Political Science Association, Washington, D.C., 2005.

“Moral Super-Power or Policy Laggard? Translating Kyoto Protocol Ratification into Federal and Provincial Climate Policy in Canada,” presented at the Annual Meeting of the Canadian Political Science Association, London, Ontario, 2005.

“Beyond Kyoto: Implementing Greenhouse Gas Reduction Pledges in North American Federal Systems,” presented at the conference on Innovation in Public Management, Structure and Organization of Government Section, International Political Science Association, Vancouver, 2004.

“Regulatory Federalism, American Style,” presented at the Annual Meeting of the Canadian Political Science Association, Winnipeg, 2004.

“North American Federalism and Climate Change Policy: American State and Canadian Provincial Policy Development,” presented at the conference on Canadian Energy Policy: Deregulation and Climate Change, Mount Royal College, Calgary, 2003. Revised version presented at symposium on “Facing Climate Change.” Widener University School of Law, Harrisburg, 2004.

“Statehouse and Greenhouse: The Evolving State Government Role in Climate Change,” presented at the National Press Club, Washington, D.C., 2002. Revised version presented at the Annual Meeting of the National Conference of State Legislatures, San Francisco, 2003.

“State Policy Innovation on Global Climate Change,” presented at the Annual Meeting of the American Political Science Association, Boston, 2002.

“Permitting, Prevention, and Integration: Lessons from the States,” presented at the Brookings Institution National Issue Forum on the Next Generation of Environmental Policy, Washington, D.C, 2001.

“The Politics of Pollution Prevention and Regulatory Integration,” presented at the Annual National Policy Conference, Environmental Policy Initiative, Ohio State University, Columbus, 2001.

“Regionalism and Integration in Environmental Policy: Lessons from the Great Lakes,” presented at the Annual Meeting of the American Political Science Association, Washington, D.C., 2000.