

## KEVIN L. PORTER

Mr. Porter is a Vice President and Principal at Exeter Associates, Inc., with over 25 years of experience in renewable energy technologies, state and federal regulation of the electric power industry, and transmission access and policy. He leads and performs research in the design, implementation and evaluation of renewable energy policies; on the grid integration of renewable energy technologies; and on the development and implementation of transmission policies. Mr. Porter's recent work includes studies of the Federal Energy Regulatory Commission's generation interconnection policies; the development of state transmission infrastructure authorities; the performance of state renewable portfolio standards in the Northeastern United States; and on designing feed-in tariffs for renewable energy generation. He also led a large study for the California Energy Commission that assessed the feasibility of incorporating up to 33 percent renewable energy generation by 2020. He is considered one of the leading experts on renewable energy policy design and implementation, and he has authored or co-authored nearly 100 journal articles and research reports. His clients include or have included the American Wind Energy Association, the California Energy Commission, the Center for Resource Solutions, the Clean Energy States Alliance, the Geothermal Energy Association, the National Association of Regulatory Utility Commissioners, the National Renewable Energy Laboratory, and the National Wind Coordinating Collaborative.

### Education:

B.S. (Environmental Studies) - Lewis and Clark College, 1982

M.A. (Economics) - American University, 1998

### Previous Employment:

1990-2001	Senior Policy Analyst National Renewable Energy Laboratory Washington, D.C.
1988-1990	Research Analyst Investor Responsibility Research Center Washington, D.C.
1985-1988	Research Analyst Renewable Energy Institute Washington, D.C.
1985	Research Assistant Analysis, Review & Critique Washington, D.C.
1984	Intern Environmental and Energy Study Institute

Washington, D.C.

1983 Legislative Aide/Research Assistant  
State Senator John Kitzhaber  
Salem, OR

1982-1983 Intern  
Congressman Ron Wyden  
Portland, OR

Professional Work Experience:

At the National Renewable Energy Laboratory, Mr. Porter performed analyses on the economic and technical status of renewable energy technologies; federal and state renewable energy policy development and impacts; and the implications of electric restructuring for renewable energy technologies. He has advised multiple states, industry groups and the U.S. Department of Energy on the development and implementation of renewable energy policies, especially the renewables portfolio standard and system benefit charges. He also has conducted research in transmission access and transmission pricing in competitive markets. He also designed a database of U.S. grid-connected renewable electric projects that is available on the Internet, and has been consulted by DOE, EPA, industry groups, state regulatory agencies, and other businesses and academic institutions on the database.

At the Investor Responsibility Research Center, Mr. Porter co-wrote a directory of the 100 leading developers of renewable energy power plants in the U.S. and overseas. The directory was cited in the *Wall Street Journal*, the *New York Times*, and the *Washington Post*, as well as on CNN and Voice of America. Mr. Porter also assisted in research on nuclear power investments in preparations for a socially responsible investment fund, now offered as an investment option by TIAA-CREF, the world's largest retirement fund.

At the Renewable Energy Institute, Mr. Porter helped compile a directory of the economic, technical and market status renewable energy technologies, co-wrote analyses of how utilities evaluate renewable energy technologies, and how states implemented Public Utility Regulatory Policies Act of 1978.

Major Publications and Reports:

*Generation Interconnection Policies and Wind Power: A Discussion of Issues, Problems, and Potential Solutions.* National Renewable Energy Laboratory, NREL Report No. SR-550-44508, February 2009 (with Sari Fink, Christina Mudd and Jennifer DeCesaro).

*The Cost of Transmission for Wind Energy: A Review of Transmission Planning Studies.* Ernest Orlando Lawrence Berkeley National Laboratory, LBNL-1471E, February 2009 (with Andrew Mills and Ryan Wiser).

*Review of State Renewable Portfolio Standard Programs in the Northeast and Mid-Atlantic*

*Regions.* Clean Energy States Alliance, December 2008 (with Jennifer DeCesaro).

*HECO Feed-In Tariff Program Plan,* Consultant Report Prepared for Hawaiian Electric Company, Maui Electric Company, and Hawaii Electric Light Company, December 2008 (with Karin Corfee, Nellie Tong, Wilson Rickerson, Jennifer DeCesaro and Robert Grace).

*Exploring Feed-In Tariffs for California: Feed-In Tariff Design and Implementation Issues and Options,* California Energy Commission Consultant Report, CEC-300-2008-003-F, November 2008 (with Robert Grace, Wilson Rickerson, Jennifer DeCesaro, Karin Corfee, Meredith Wingate and Jonathan Lesser).

*Wind Capacity Credit in the United States.* Proceedings of the 2008 IEEE Power and Energy Society General Meeting - Conversion and Delivery of Electrical Energy in the 21st Century, 20-24 July 2008, Pittsburgh, Pennsylvania (with Michael Milligan).

*Determining the Capacity Value of Wind: An Updated Survey of Methods and Implementation.* National Renewable Energy Laboratory, NREL Report No. CP-500-43433, June 2008 (with Michael Milligan).

*State Transmission Infrastructure Authorities: The Story So Far.* National Renewable Energy Laboratory, NREL Report No. SR-500-43146, May 2008 (with Sari Fink).

“What Comes First?” *IEEE Power and Engineering,* November/December 2007 (with Dick Piwko, Robert DeMello, Robert Gramlich, Warren Lasher, Dale Osborn and Carl Dombek).

“A Review of the International Experience with Integrating Wind Energy Generation,” *Electricity Journal,* October 2007 (with Dora Yen and Brett Morgenstern).

*Increasing Renewable Resources: How ISOs and RTOs Are Helping Meet This Public Policy Objective,* ISO/RTO Council, October 2007 (with Brendan Kirby).

*Intermittency Analysis Project Final Report,* California Energy Commission, CEC-500-2007-081, July 2007 (with Dora Yen, General Electric and Davis Power Consultants).

*Review of International Experience with Integrating Variable Renewable Energy Generation,* California Energy Commission, CEC-500-2007-029, April 2007 (with Christina Mudd and Michelle Weisburger).

*Intermittency Analysis Project: Summary of Preliminary Results for the 2006 Base and 2010 Tehachapi Cases,* CEC-500-2007-009, January 2007 (with Dora Yen, General Electric and Davis Power Consultants).

*State and Regional Policies that Encourage Utility Energy Efficiency Programs: Study Pursuant to Section 139(a) of the Energy Policy Act of 2005.* Prepared for the National Association of Regulatory Utility Commissioners and the National Association of State Energy Officers in support of the U. S. Department of Energy’s Report to Congress. July 2006 (with Christina, Mudd, Lowell Unger and Rich Sedano).

*Summary of the California Energy Commission's Renewables Portfolio Standard Contractor Reports, and the Status of Renewables Portfolio Standard Contracting and Regulation, California Energy Commission Consultant Report, CEC-300-2006-012, June 2006 (with Ryan Wisner and Meredith Wingate).*

“The Capacity Value of Wind in the United States: Methods and Implementation,” *Electricity Journal*, February 2006 (with Michael Milligan).

“Wind Energy Delivery Issues: Transmission Planning and Competitive Electricity Market Operation,” *IEEE Power and Energy Magazine*, November/December 2005 (with Richard Piwko, Dale Osborn, Robert Gramlich, Gary Jordan and David Hawkins).

*Achieving a 33% Renewable Energy Target*, Center for Resource Solutions, November 2005 (with Jan Hamrin, Ray Dracker, Jennifer Martin, Ryan Wisner, David Clement and Mark Bolinger).

“Does It Have to be This Hard: Implementing the Nation's Most Complex Renewables Portfolio Standard,” *Electricity Journal*, October 2005 (with Ryan Wisner, Mark Bolinger and Heather Raitt).

“Determining the Capacity Value of Wind: A Survey of Methods and Implementation,” Windpower 2005 Proceedings (with Michael Milligan).

*Preliminary Stakeholder Evaluation of the California Renewables Portfolio Standard*, Consultant Report for the California Energy Commission, CEC-300-2005-011, June 2005 (with Ryan Wisner and Mark Bolinger).

*National Wind Coordinating Committee Transmission Updates*, briefs published every other month from March 2005, available at <http://www.nationalwind.org/publications/transmission/updates/default.htm> (with Miles Keogh and Katie Kalinowski).

*Flexible Firm Transmission Service: A New Way to Bring Wind Energy to Market*, Primen Renewable Perspective, RE-PP-05, December 2004.

*Summary of Recommendations: Legislative and Regulatory Actions to Consider for Ensuring the Long-Term Effectiveness of the Nevada Renewable Portfolio Standard* (with Robert Grace and Ryan Wisner. Report to the Nevada Renewable Energy and Energy Conservation Task Force, December 3, 2004.

*Oral Testimony before the Federal Energy Regulatory Commission*, Docket AD4-13-000, Assessing the State of Wind Energy in Wholesale Electric Markets, Denver, December 1, 2004.

*Results of a Survey Regarding a Potential Midwest Renewable Energy Tracking System* (with David Chen). National Council on Electricity Policy, August 2004.

*Report to Congress on Analysis of Wind Resource Locations and Transmission Requirements in the Upper Midwest*, U.S. Department of Energy, May 2004.

*Evaluating Experience with Renewable Portfolio Standards in the United States*, Conference Paper for Windpower 2004, Chicago, March 28-31, 2004 (with Ryan Wiser and Bob Grace).

“If SMD Dies, What Parts of Order 888 Do We Need to Fix?” *Electricity Journal*, December 2003.

*Wind Energy Interconnection*, National Wind Coordinating Committee, September 2003 (with Charlie Smith and Steve Wiese).

*Wind Energy, Congestion Management, and Transmission Rights*, National Wind Coordinating Committee, August 2003 (with Ron Lehr and Steve Wiese).

*Implications of Scheduling Requirements for Wind Energy*, National Wind Coordinating Committee, August 2003 (with Ed DeMeo and Steve Wiese).

*Evaluating State Renewables Portfolio Standards: A Focus on Geothermal Energy* (with Ryan Wiser and Robert Grace), report prepared for the National Geothermal Collaborative, June 2003.

*Market Approaches to Estimating the Capacity Value of Wind Energy in Restructured Markets*, Conference Paper for Windpower 2003, Austin, Texas, May 18-21, 2003.

*Regional Transmission Organizations and Wind Energy: A Happy Marriage or Heading to Divorce Court?* Conference Paper for Windpower 2002, Portland, Oregon, June 3-6, 2002.

*The Implications of Regional Transmission Organization Design for Renewable Energy Technologies*, National Renewable Energy Laboratory, NREL/SR-620-32180, May 2002.

“Wind Energy and Power System Operations: A Survey of Current Research and Regulatory Actions.” *Electricity Journal*, March 2002 (with Michael Milligan, Brian Parsons and Jim Caldwell).

*Wind/Natural Gas Hybrid Power Projects: Combining the Best of Both Energy Sources*, January 2002, paper prepared for The American Wind Energy Association and the U. S. Environmental Protection Agency.

“States Emerge as Clean Energy Investors: A Review of State Support for Renewable Energy.” *Electricity Journal*, November, 2001 (with Ryan Wiser, Mark Bollinger, Lew Milford and Michael Stoddard).

*Clean Energy Funds: An Overview of State Support for Renewable Energy*, conference paper for Windpower 2001, Washington, D.C., June 3-7, 2001 (with Ryan Wiser, Mark Bollinger, Lew Milford and Michael Stoddard).

*Clean Energy Funds: An Overview of State Support for Renewable Energy*, Lawrence Berkeley National Laboratory, LBNL-47705, April 2001 (with Ryan Wiser, Mark Bolinger, Lew Milford and Michael Stoddard).

*REPiS 5.0*, database of grid-connected renewable electric projects in the United States, available at <http://www.eren.doe.gov/repis>, March 2001.

*Biomass Power and State Renewable Energy Policies Under Electric Industry Restructuring*, National Renewable Energy Laboratory, NREL/CP-620-28747, conference paper for Bioenergy 2000, Buffalo, NY, October 15-19, 2000.

*Comparing State Portfolio Standards and System Benefit Charges under Restructuring*, October 2000 (with Ryan Wiser and Mark Bolinger).

*The Renewable Electric Plant Information System: 1999 Edition*, National Renewable Energy Laboratory), NREL/TP-620-28674, August 2000 (with Dave Trickett and Lori Bird).

*Status Report on the Design and Implementation of State Renewable Portfolio Standards and System Benefits Charge Policies*, conference paper for Windpower 2000, Palm Springs, Calif., April 30 – May 3, 2000 (with Ryan Wiser).

*Substantive Rules for Nevada's Domestic Energy Portfolio Standard*, prepared for the Nevada Public Service Commission, May 18, 2000 (with Ryan Wiser).

“Restructuring: The Green Benefits,” *Wind Directions*, May 2000, p. 13 (with Ryan Wiser and Steve Clemmer).

*Analysis on Amendments to Iowa Electric Restructuring Legislation Regarding the Proposed RPS and SBC* memorandum to the Iowa Department of Natural Resources, April 3, 2000 (with Ryan Wiser).

“Emerging Markets for Renewable Energy: The Role of State Policies,” *Electricity Journal*, January/February 2000, pp. 13-24 (with Ryan Wiser and Steve Clemmer).

*Renewable Energy Markets in State Electric Industry Restructuring*, guest editorial to the LEAP Letter, July-August 1999 (with Ryan Wiser and Steve Clemmer).

*Choices for a Brighter Future*, National Renewable Energy Laboratory, DOE/GO-10099-878, September 1999 (with Blair Swezey, Larry Goldstein, Karin Sinclair, and Yi-huei Wan).

*Comments of the National Wind Coordinating Committee on Regional Transmission Organizations*, submitted to the Federal Energy Regulatory Commission, August 1999.

*Emerging Markets for Wind Power: The Role of State Policies during Restructuring*, conference paper for Windpower 1999, Burlington, Vermont, June 20-23, 1999 (with Ryan Wiser and Steve Clemmer).

*Renewable Portfolio Standards for Expanding Renewable Energy Markets: Implementation Issues and Benefits of Adopting a Renewable Portfolio Standard in the Philippines*, May 1999 (with Lori Bird and Paul Galen).

Contributor to comments filed by the Corporation for Solar Technology and Renewable Resources (CSTRR) on the Nevada Renewables Portfolio Standard, March 1999, Docket No. 97-8001.

*NREL Biomass Power Position on Green-e's Discussion Paper on Renewable Energy Co-firing*, April 1999 (with Chris Demeter, Ed Gray, Kevin Comer; Kevin Craig, Ralph Overend and Margaret Mann).

*Green Power Marketing in Retail Competition: An Early Assessment*, National Renewable Energy Laboratory, NREL/TP.620.25939/LBNL-42286, February 1999 (with Ryan Wiser, Ashley Houston and Jeff Fang).

*Transmitting Wind Energy: Issues and Options in Competitive Electric Markets*, National Wind Coordinating Committee, Washington, D.C., ISBN 1-58024-021-6, February 1999 (with Andrew Brown and Chris Ellison).

*Suggested Reading Materials on the Renewable Portfolio Standard*, prepared for the Nevada Working Group on the Renewable Portfolio Standard, January 1999.

*Current Renewables Activity in Nevada*, prepared for the Nevada Working Group on the Renewable Portfolio Standard, January 1999.

*Treatment of Biomass and Geothermal in the Nevada Renewable Portfolio Standard, or What Is Naturally Regenerated?* prepared for the Nevada Working Group on the Renewable Portfolio Standard, January 1999.

*Flexibility Mechanisms*, prepared for the Nevada Working Group on the Renewable Portfolio Standard, January 1999.

*The Legality of in-State Restrictions: An Overview*, prepared for the Nevada Working Group on the Renewable Portfolio Standard, January 1999.

*Independent System Operators and Biomass Technologies*, National Renewable Energy Laboratory, conference paper for Bioenergy 1998, October 4-8, 1998, Madison, Wisconsin.

"Green Marketing Takes Off with Choice in Electricity," *Public Utilities Fortnightly*, August 1998 (with Ashley Houston and Blair Swezey).

*What Is Happening with Independent System Operators?* National Renewable Energy Laboratory, NREL/CP-620-24584, conference paper for Windpower 1998, Bakersfield, California, April 26-30, 1998.

*State Activities in Electric Industry Restructuring*, Final Report to Energy Information Administration, February 1998 (with Jeff Fang).

“Electric Industry Restructuring, Ancillary Services, and the Potential Impact on Wind,” Windpower 1997, Austin, Texas (with Eric Hirst, Brendan Kirby, Brian Parsons, and Jack Cadogan).

*Open Access Transmission and Renewable Energy Technologies*, National Renewable Energy Laboratory, NREL/SP-460-21427, September 1996.

“Why My Tariff is Different Than Yours: Comparing Non-Price Terms in Utility Filings Against FERC’s Pro Forma Tariffs,” *Public Utilities Fortnightly*, May 1, 1996.

“The California ISO and Renewables,” Technical Memo prepared for the U.S. Department of Energy’s Wind Technology Program, June 4, 1996.

*A Summary of the California Public Utilities Commission’s Two Competing Electric Utility Restructuring Proposals*, National Renewable Energy Laboratory, NREL/TP-461-8330, November 1995.

“Public Utility Regulatory Policies Act (PURPA) Briefing Book,” prepared for DOE’s Office of Utility Technologies, April 10, 1995 (with Paul Galen and Jeff Fang).

*Electric Utility Restructuring: Strategic Issues Paper for DOE’s Office of Energy Efficiency and Renewable Energy*, National Renewable Energy Laboratory, NREL/MP-461-7285, May 1995 (with Paul Galen and Ron White).

“Transmission and IRP,” paper for the NARUC-DOE Fifth National Integrated Resource Planning Conference, Kalispell, Montana May 15-18, 1994.

*The Potential Impact of Externalities Considerations on the Market for Biomass Power Technologies*, National Renewable Energy Laboratory, NREL/TP-462-5789, February 1994, NREL/TP-462-5789 (with Blair Swezey and J. Sherman Feher).

Editor, *Proceedings of the Executive Dialogue on Resource Planning and Investment Decisions*, January 30-31, 1992, Vienna, Virginia, U.S. Department of Energy, DOE/CH10093-202.

*An Inventory of Analysis, Modeling and Database Projects*, prepared for the Office of Conservation and Renewable Energy, U.S. Department of Energy (with Barbara Farhar of NREL and Fred Abel of DOE), February 1991.

*REPiS: The Renewable Electric Project Information System*, Solar Energy Research Institute, SERI/MP-260-4080, December 1990 (with Blair Swezey). *REPiS: The Renewable Electric Project Information System*, Solar Energy Research Institute, SERI/MP-260-4080, December 1990 (with Blair Swezey).

“Big Business Makes Small Power,” *Cogeneration and Small Power Monthly*, November 1989

(with Susan Williams).

“Power Plant Development by U.S. Renewable Energy Companies Overseas: Results of IRRC’s Survey,” prepared for the U.S. Agency for International Development, October 1989 (with Susan Williams).

*Power Plays* (1989 edition). Washington: Investor Responsibility Research Center, 1989 (with Susan Williams).

*Report on REPiS: The Renewable Electric Project Information System*, Solar Energy Research Institute, August 1988 (with Blair Swezey).

“Commercializing Photovoltaics: A Utility Takes the Lead,” *IRRC News for Investors*, Investor Responsibility Research Center, Washington, July-August 1988.

“Energy Resolution Withdrawal Called a Victory for All Sides,” *IRRC News for Investors*, Investor Responsibility Research Center, Washington, May 1988.

“Renewable Energy Technology Update,” *Proceedings of the 15<sup>th</sup> Energy Technology Conference and Exposition*, Washington, D.C., February 19, 1988 (with William Meade).

*Emerging Energy Technologies: A Status Report*. Washington: Renewable Energy Institute, May 1987.

*Trends in State Utility Regulation Affecting Renewable Energy*. Washington: Renewable Energy Institute, March 1987 (with William Meade).

*Utility Decision Making in the 1980s: Implications for Renewable Energy*. Washington: Renewable Energy Institute, September 1986 (with William Meade).

*Annual Renewable Energy Technology Review: Progress through 1984*. Washington, D.C.: Renewable Energy Institute, May 1986 (with William Meade).

*Energy Innovation: Development and Status of the Renewable Energy Industries 1985*, Vol. 2, wind energy chapter (with Tom Gray and Carlo LaPorta).

*Case Studies of Six Successful Solar Energy Installations*. Washington: Solar Energy Industries Association, June 1985 (with Carlo LaPorta).

Presentations:

“State RPS Policies,” presented before the PJM Emerging Energy Resources Forum, Baltimore, Maryland, October 20, 2008.

“Grid Integration of Wind in the U.S. and Other Issues,” presented before the Canadian Electricity Association’s Power Marketers Council, St. Andrews, New Brunswick, September 11, 2008.

“Renewable Portfolio Standards: Implications of a Federal Standard on State RPS Policies,” presented at the National Council of State Legislature Spring Forum, Washington, D.C., April 25, 2008.

“New Transmission Initiatives in the United States,” presented before the American Wind Energy Association and Canadian Wind Energy Association Transmission Workshop, Detroit, Michigan, March 18, 2008.

“Grid Integration of Wind and Solar in the United States,” presented before the World Bank, Washington, D.C., February 21, 2008.

“New Transmission Initiatives for Renewable Energy and Some Thoughts on Wind Integration,” presented before the National Association Regulatory Utility Commissioners’ Staff Electricity Committee, Washington, D.C., February 17, 2008.

“RPS Evaluation,” presented before the Clean Energy States Alliance’s Northeast RPS Collaborative, Albany, New York, September 7, 2007.

“Renewable Portfolio Standards: What’s Happening at the State Level and in Congress,” presented before the Utility Wind Integration Group Annual Meeting, Anchorage, Alaska, July 24, 2007.

“Wind Power Integration Studies,” presented before the National Council on Electricity Policy teleconference, March 14, 2007.

“Introduction to Windpower,” presented before the Offshore Wind for Delaware workshop, Dover, Delaware, February 16, 2007.

“Intermittency Analysis Project: 2010 Accelerated and 2020 Scenarios,” presented before the California Energy Commission Staff Workshop on the Intermittency Analysis Project, Sacramento, California, February 13, 2007 (with Dora Yen).

“Intermittency Analysis Project Interim Results,” presented before the Utility Wind Integration Group 2006 Fall Technical Workshop, Oklahoma City, Oklahoma, October 24, 2006.

“Feed-In Tariffs,” presented before the California Energy Commission Integrated Energy Policy Report workshop, Sacramento, California, August 22, 2006.

“Intermittency Analysis Project: 2010 Scenario,” presented before the California Energy Commission Staff Workshop on the Intermittency Analysis Project, Sacramento, California, August 15, 2006 (with Dora Yen).

“Implementing the Nation’s Most Complex Renewables Portfolio Standard: A California Case Study,” presented before Windpower 2006, Pittsburgh, Pennsylvania, June 7, 2006 (with Ryan Wiser, Mark Bolinger and Heather Raitt).

“Mid-Course Review of the California Renewables Portfolio Standard,” presented before the California Energy Commission’s Integrated Energy Policy Workshop, Sacramento, California, July 6, 2005 (with Ric O’Connell and Ryan Wiser).

“Preliminary Stakeholder Evaluation of the California RPS,” presented before the California Energy Commission, Sacramento, California, June 14, 2005 (with Ryan Wiser).

“Lessons Learned from Selected State Renewable Energy Policy Mechanisms”, presented before the National Conference of State Legislators’ Energy Leaders Forum, Denver, Colorado, November 17, 2004 (with Ryan Wiser and Mark Bolinger).

“State RPS Policies without the PTC,” presented before the American Wind Energy Association’s Legislative Committee Meeting, Washington, DC, November 10, 2004.

“Wind Projects in Maryland,” presented before the Utility Wind Interest Group’s Fall 2004 Meetings, Albany, New York, October 26, 2004.

“Experience from Other Regions,” presented before the National Wind Coordinating Committee’s Southwest Power Pool Workshop, Little Rock, Arkansas, October 25, 2004.

“What is the National Council Doing? An Overview of 2003 and 2004 Activities and A Preview of Some 2005 Activities,” presented before the National Council on Electricity Policy’s In-Person Meeting, Chicago, Illinois, September 30, 2004.

“Preliminary Thoughts on Regional Activities in Wind Energy and Systems Integration,” presented before the U.S. Department of Energy’s and National Renewable Energy Laboratory’s Wind Technologies Program, September 13, 2004.

“Costs and Cost Recovery: What Other Regions Have Done,” presented before the Second Midwest Tradable Renewable Credits Workshop, Madison, Wisconsin, June 16, 2004.

“Results of Midwest Tradable Renewable Credits Survey,” presented before the Second Midwest Tradable Renewable Credits Workshop, Madison, Wisconsin, June 16, 2004.

“Transmission Briefs and Power Pool Rules,” presented before the U.S. Department of Energy’s Peer Review of the Wind Technologies Program, Washington, D.C., May 5, 2004.

“Transmission Issues with Renewable Energy Technologies,” presented at the Earth Technologies Forum, Washington, D.C., April 13, 2004.

- “Evaluating Experience with Renewable Portfolio Standards in the United States,” presented at the Windpower 2004 Conference, Chicago, Illinois, March 31, 2004.
- “Update on the National Council on Electricity Policy,” presented at the National Association of Regulatory Utility Commissioners’ Winter Meetings, Washington, D.C., March 7, 2004.
- “Update on the National Council on Electricity Policy,” presented at the National Association of Regulatory Utility Commissioners’ 2003 Annual Conference, Atlanta, Georgia, November 16, 2003.
- “Update on the National Council on Electricity Policy,” presented at the National Association of Regulatory Utility Commissioners’ 2003 Summer Meetings, Denver, Colorado, July 28, 2003.
- “Next Steps for Electric Restructuring in the Mid-Atlantic,” presented before the Mid-Atlantic State Energy Directors’ Meeting, Annapolis, Maryland, July 17, 2003.
- “Overview of Economic and Policy Trends Related to Electricity Generation from Renewables,” presented at the Midwest Renewable Energy Workshop, Chicago, Illinois, June 19, 2003.
- “Creating Geothermal Markets: Evaluating Experience with State Renewables Portfolio Standards,” (with Ryan Wisner, Robert Grace and Chase Kappel), presented to the National Geothermal Collaborative, May 8, 2003.
- “Market Approaches Towards Estimating the Capacity Value of Wind Energy in Restructured Markets,” presented at the Windpower 2003 Conference, Austin, Texas, May 19, 2003.
- “Update on the National Council on Competition and the Electric Industry,” presented at the National Association of Regulatory Utility Commissioners’ 2003 Winter Meetings, Washington, D.C., February 23, 2003.
- “Wind Energy Market and Industry Trends,” presented before the World Resources Institute’s Green Market Development Group, Washington, D.C., February 5, 2003.
- “Eligibility of Intermittent Renewables for Regional Capacity Adequacy Mechanisms,” presented before the PJM Intermittent Capacity Resource Working Group, Wilmington, Delaware, December 9, 2002.
- “The American Wind Energy Association’s Approach Towards Determining Capacity Credit for Wind Energy,” presented before the PJM Intermittent Capacity Resource Working Group, Wilmington, Delaware, November 20, 2002.
- “The Standard Market Design Notice of Proposed Rulemaking and Wind Energy,” presented before the National Wind Coordinating Committee, Washington, D.C., September 27, 2002.

- “Integrating Wind Energy with Power System Operations,” presented before the NARUC Committee on Energy Resources and the Environment, NARUC Summer Meetings 2002, Portland, Oregon, July 29, 2002.
- “Regional Transmission Organizations and Wind Energy: A Happy Marriage or Heading to Divorce Court?” Presented at the Windpower 2002 Conference, Portland, Oregon, June 3, 2002.
- “Implications of Regional Transmission Organizations for Renewable Energy Technologies,” presented at the National Renewable Energy Laboratory Energy Analysis Seminar Series, Washington, DC, May 11, 2002.
- “The Renewables Portfolio Standard: An Overview,” presented at the New England Sustainable Energy’s Building Energy 2001, Tufts University, Medford, Mass., March 22-23, 2001.
- “Renewable Portfolio Standard and System Benefit Charge Activities in the Northeast,” presented before the Northeast Regional Biomass Program’s Steering Committee Meeting, Washington, D.C., January 31, 2001.
- “Green Power Markets: An Overview,” presented before the Integrated Solid Waste Association, Washington, D.C., November 30, 2000.
- “Policy and Market Activities in the Mid-Atlantic Region,” presented at the UWIG/TVP/WPA Workshop, Morgantown, West Virginia, October 24, 2000.
- “State Renewable Energy Policies Under Electric Restructuring,” presented at Bioenergy 2000, Buffalo, N.Y., October 16, 2000.
- “Biomass Power and State RPS and SBC Policies,” presented at Bioenergy 2000, Buffalo, N.Y., October 16, 2000.
- “State RPS and SBC Policies,” presented at the Green Power Options and Opportunities in the Midwest, Madison, Wisconsin, June 16, 2000.
- “A Status Report on State RPS and SBC Policies,” presented at the Windpower 2000 conference, May 1, 2000, Palm Springs, California (with Ryan Wiser).
- “FERC Order 2000 – Implications for Wind Energy,” presented at the National Wind Coordinating Committee’s Transmission Workshop, March 1, 2000, Denver, Colorado.
- “The Impact of State RPS and SBC Policies Under Electric Restructuring,” presented before Representative Sherwood Boehlert’s (R-NY) office, January 31, 2000, Washington, D.C.
- “Navigating the Policy Landscape,” presented at the Environmental Standards conference, January 20, 2000, Washington, D.C.

“The Impact of State RPS and SBC Policies Under Electric Restructuring,” presented at the Environmental Standards conference, January 20, 2000, Washington, D.C.

“Potential Market Impacts of Green Marketing and RPS and SBC Policies for Renewable Energy,” presented before the EIA Electricity Weekly Forum, January 11, 2000.

“Update on State RPS Policies and Activities,” presented before the Wind Powering America Strategy Meeting, December 1999 (with Ryan Wiser).

“Biomass in the PJM Region,” presented before the Mid-Atlantic Green-e Meeting on Biomass Power, Philadelphia, PA, December 1999.

“Emerging Markets for Wind Power: The Role of State Policies During Restructuring,” presented before Windpower 1999, Burlington, Vermont, June 20-23, 1999 (with Ryan Wiser and Steve Clemmer).

*Update on Transmission and FERC*, presented to the Utility Wind Interest Group’s 1999 Annual Meeting, Midland, Texas, May 17-19, 1999.

“Green Power Marketing in Retail Competition: An Early Assessment,” presented before the Fourth Biomass Conference of the Americas, August 29-September 2nd, 1999, Oakland, Calif (with Ryan Wiser and Jeff Fang).

“NREL Restructuring Activities,” presentation to William Keese, Chair, California Energy Commission, June 1998.

“Renewable Policies Past and Present, and Possible Restructuring Policies for Renewables” presentation to Dan Alpert, staff to Senator Jeff Bingaham (D-NM), June 1998.

“Independent System Operators and Bioenergy Technologies,” presented at Bioenergy 1998, October 4-8, 1998.

“What is Happening with Independent System Operators,” presented at Windpower 1998, Bakersfield, California, April 26-30, 1998.

“FERC’s Open-Access NOPR: Predictions, Implications, and Post-NOPR Initiatives,” presented before the Southeast Municipal Power Colloquium, Atlanta, Georgia, April 10, 1996.

“Stranded Investment, Transmission Access and IRP: FERC’s Activities and Implications for IRP,” presented before IRP/PBR Program Review Meeting, Arlington, Virginia, December 16, 1994.

“Transmission and IRP,” presented before the NARUC/DOE Fifth National IRP Conference, Kalispell, Montana, May 16, 1994.