

David Hunger
Vice President

PhD, Economics
University of Oregon

MS, Economics
University of Oregon

BA, Mathematics
University of Massachusetts, Boston

David Hunger is Vice President with the Energy Practice of CRA. Formerly a senior economist at the Federal Energy Regulatory Commission (FERC), Dr. Hunger is an expert in energy market merger analysis and market rate matters. For more than ten years at FERC, he led analyses involving mergers and other corporate transactions, market power in market-based rates cases, demand response compensation, compliance cases for Regional Transmission Organizations, and competition issues in electricity markets.

Since 2001, Dr. Hunger has been an affiliated professor at the Georgetown Public Policy Institute (GPPI) where he teaches microeconomic theory, energy policy, and public finance. His research interests include the effect of environmental regulations on international trade, market power in energy markets, and energy policy. He frequently speaks on energy market issues and publishes articles on energy economics and policy.

Experience

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| 2013 | <i>Vice President</i> , Charles River Associates |
| 1999–2013 | Federal Energy Regulatory Commission
<i>Senior Economist</i> , Office of Energy Policy and Innovation (OEPI) (2010–2013)
<i>Deputy Director</i> , Division of Electric Power Regulation – West (2008–2010)
<i>Supervisory Energy Industry Analyst</i> (2006–2008)
<i>Senior Economist</i> (2003–2006)
<i>Economist</i> (1999–2003)
During his time at FERC, Dr. Hunger led analyses involving: the effect on competition in mergers and other corporate transactions; market power in market-based rates cases; demand response compensation, compliance cases for Regional Transmission Organizations (OEPI lead for compliance cases in California ISO, Midwest ISO, ISO-New England, New York ISO, SPP and PJM); and competition issues in electricity markets. |
| 2001–Present | <i>Affiliated Professor</i> , Georgetown University, Graduate Public Policy Institute
Classes taught: Microeconomic Theory, Energy Policy, Public Finance, Macroeconomics, and Masters Thesis advising. |

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- 2000–2001 *Adjunct Assistant Professor of Economics*, American University
Classes taught: Principles of Microeconomics and Principles of Macroeconomics
- 1998–1999 *Assistant Professor of Economics*, Oglethorpe University
Classes taught: Managerial Economics and International Economics (MBA); Principles of Economics, Intermediate Microeconomics, Macroeconomics, International Economics and Industrial Organization (undergraduate)
- 1994–1998 *Graduate Teaching Fellow*, Department of Economics, University of Oregon
Classes taught: Econometrics, Industrial Organization, and Principles of Microeconomics

Reports and Publications

- “Analyzing Gas and Electric Convergence Mergers: A Supply Curve is Worth a Thousand Words.” *Journal of Regulatory Economics*, vol. 24, no. 2, 2003, pp. 161-173
- “Final Report on Price Manipulation in Western Markets: Fact-Finding Investigation of Potential Manipulation of Electric and Natural Gas Prices.” Federal Energy Regulatory Commission Staff Report to the US Congress, March 2003.
- “Initial Report on Company –Specific Separate Proceedings; Published Natural Gas Price Data; and Enron Trading Strategies: Fact-Finding Investigation of Potential Manipulation of Electric and Natural Gas Prices.” Federal Energy Regulatory Commission Staff Report to the US Congress, August 2002.
- “Determining the Competitiveness of Wholesale Electricity Markets: It Starts with Defining the Markets.” In *Markets, Pricing and Deregulation of Utilities*. Michael Crew and Joseph Schuh, eds. Kluwer Academic Publishers, 2002.
- “Demand Response in Electricity Markets.” Federal Energy Regulatory Commission Staff Paper, January 2002.

Presentations

- “Demand Response Compensation.” Advanced Workshop in Regulation and Competition, Rutgers University Center for Research in Regulated Industries, 21st Annual Western Conference, Monterey, CA, June 2010.
- “The Role of Sector-Specific Regulators in Merger Review.” American Bar Association 2009 Fall Forum, November 2009.
- “Developing a Sustainable Energy Policy.” Georgetown Public Policy Institute Policy Conference Washington, DC, February 2007.

“Fixing the Natural Gas Price Indices.” US Department of Energy, Electricity Working Group, Washington, DC, March 2005.

“Re-bundling in the Electric Power Industry.” Advanced Workshop in Regulation and Competition, Rutgers University Center for Research in Regulated Industries, 23rd Annual Conference, Skytop, PA, May 2004.

“Manipulation of Natural Gas Price Indexes: Causes, Effects and Solutions.” Advanced Workshop in Regulation and Competition, Rutgers University Center for Research in Regulated Industries, 22nd Annual Conference, Skytop, PA, May 2003.

“The Role of Economics and Economists at the FERC.” Federal Energy Regulatory Commission, Briefing for Indiana University of Pennsylvania, Economics Department, Washington, DC, September 2002.

“Defining Wholesale Electricity Markets.” Advanced Workshop in Regulation and Competition, Rutgers University Center for Research in Regulated Industries, 21st Annual Conference, Newport, RI, May 2002.

“Markets, Pricing and Deregulation of Utilities.” Rutgers University Research Seminar, Newark, NJ, May 2002.

“How FERC Analyzes Markets.” Federal Energy Regulatory Commission, Briefing for Indiana University of Pennsylvania, Economics Department, Washington, DC, October 2001.

“Briefing on Competitive Analysis for the State Development Planning Commission of the People's Republic of China.” Federal Energy Regulatory Commission, Washington, DC, May 2001.

“Electric Utility Mergers Involving Generation and Transmission: It Takes Ability and Incentive.” Advanced Workshop in Regulation and Competition, Rutgers University Center for Research in Regulated Industries, 20th Annual Conference, Tamiment, PA, May 2001.

“Natural Gas and Electricity Mergers: Vertical Restraints or Vertical Market Power.” US Department of Energy, Electricity Working Group, Washington, DC, October 2000.

“Vertical Merger Review at the Federal Energy Regulatory Commission.” International Association for Energy Economics, 21st Annual Conference, Philadelphia, PA, September 2000.

“Gas and Electric Convergence Mergers: A Supply Curve is Worth a Thousand Words.” Advanced Workshop in Regulation and Competition, Rutgers University Center for Research in Regulated Industries, 19th Annual Conference, Lake George, NY, May 2000.

“Pollution Regulation in a Model of International Trade.” Northwest Conference for Environmental Economics, Eugene, OR, May 1999.

“The Adoption of Energy-Saving Technologies in the Electricity Industry.” Advanced Workshop in Regulation and Competition, Rutgers University Center for Research in Regulated Industries, 17th Annual Conference, Vergennes, VT, May 1998.

“Entry Decisions and Regulatory Distortions in the Electric Power Industry.” Advanced Workshop in Regulation and Competition, Rutgers University Center for Research in Regulated Industries, 16th Annual Conference, Lake George, NY, May 1997.

“Entry of Non-Utility Generators in the Northwest.” Pacific Northwest Regional Economic Conference, Spokane, WA, April 1997.

Awards and Associations

Federal Energy Regulatory Commission, Awards for Quality Service in the Public Interest: December 2000; July 2001; September 2001; September 2002; May 2003; July 2003; September 2003; April 2004; July 2004; September 2004; June 2005; August 2005; January 2006; March 2006; August 2006; May 2007; August 2007; April 2008; July 2008; January 2009; July 2009; February 2010; August 2011; August 2012

University of Oregon - Outstanding Graduate Teaching Award, 1998

Member, American Economic Association

Member, International Association for Energy Economics

Georgetown Public Policy Institute, Masters Thesis Advising

“The Effects of Revenue Decoupling on State-Level Gains in Demand-Side Energy Efficiency,” Robert Anders, 2011.

“What Drives Innovation in Renewable Energy Technology? Evidence Based on Patent Count,” Jesse McCormick, 2011.

“Renewable Portfolio Standards and the Growth of Wind Power Capacity in the United States,” Andrew MacBride, 2008.

“The Effect of State-level Demand-side Management Spending on Aggregate State-level Energy Efficiency,” Stephen Caldwell, 2008.

“Assessing the Real World Air Quality Improvements and Resulting Human Health Benefits Of the US Acid Rain Program: A Feasibility Study,” David Risley, 2008.

“Public Opinion about Climate Change: the Roles of Risk Perception and Scientific Knowledge in Preventing Passivity,” Courtney Brown, 2008.

“Statistical Examination of the Relationship between Return on Equity and Plant Investment for Natural Gas Pipelines,” Adam Pollack, 2007.

“Fuel Excise Taxes and Consumer Gasoline Demand: Comparing Average Retail Price Effects and Gasoline Tax Effects,” William Sauer, 2007.

“GDP Growth, Electricity and Renewable Energy in the Pacific Rim: Can Renewable Energy help developing nations achieve and sustain higher long term growth rates?” Bryan J. Di Pietro, 2007.

“Rate Regulation and Carbon Emissions from US Electric Plants,” Michael Pomorski, 2007.

“An Analysis of the Efficacy of US Greenhouse Gas Emissions Reduction Policy,” Russell Meyer, 2006.

“Wind Energy Cost Reductions: A Learning Curve Analysis with Evidence from the United States, Germany, Denmark, Spain, and the United Kingdom,” Charles Goff, 2006.

“Electricity for the Rural Poor: Limit of Traditional Grid-electricity Services and Implications for Renewable Energy in China,” Hayato Kobayashi, 2004.

“How Does Oil Influence Conflict?” Megan Ellinger, 2004.

“Electricity Generation and Fuel Sources: Does Greater Diversity Reduce Price Volatility?” Timothy Herzog, 2004.