

**CATHERINE D. WOLFRAM**  
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### **CURRENT POSITIONS**

Associate Professor of Business Administration (with tenure), Haas School of Business, UC Berkeley, July 2005-present

Affiliated Faculty, Department of Agriculture and Resource Economics, UC Berkeley, July 2006-present

Affiliated Faculty, Energy and Resources Group, UC Berkeley, July 2001-present

### **PREVIOUS POSITIONS**

Assistant Professor of Business Administration, Haas School of Business, UC Berkeley, July 2000-June 2005

Assistant Professor of Economics, Harvard University, July 1996 to June 2000

Faculty Research Fellow, National Bureau of Economic Research, May 1997-September 2006

Visiting Research Associate, University of California Energy Institute, Spring 1999

Electric Utility Rate Analyst, Massachusetts Department of Public Utilities, October 1990 to July 1992

Research Assistant, Putnam, Hayes and Bartlett, August 1989 to October 1990

### **EDUCATION**

Ph.D., Economics, MIT, June 1996. Thesis on "Empirical Studies of the British Electricity Industry Before and After Privatization"

A.B., Economics, Harvard University, *magna cum laude*, June 1989

### **HONORS, FELLOWSHIPS AND GRANTS**

2010-2012: Co-Principal Investigator, "Reducing Energy Consumption and Greenhouse Gas Emissions through Energy-Efficiency Retrofits: Evidence from Low-Income Households" (with Meredith Fowlie and Michael Greenstone), funded by the Alfred P. Sloan Foundation

2010-2012: Co-Principal Investigator, "Smart Grid and Dynamic Pricing: Large-Scale Demonstration Projects" (with Meredith Fowlie), funded by the Department of Energy

2009-2010: Co-Principal Investigator, "The Design and Implementation of U.S. Climate Policy" (with Don Fullerton), funded by the Smith Richardson Foundation

2008: Recipient, Cheit Award for Best Teacher in Haas Evening MBA Program

2006: Recipient, Cheit Award for Best Teacher in Haas Evening MBA Program

2004: American Statistical Association/Energy Information Administration Research Fellow

2003-2005: Sloan Foundation-NBER International Productivity Project

1998-1999: National Science Foundation Award for Beginning Academics (Grant No. SBR-9810402)

1996-1997: American Compensation Association Emerging Scholar Program

Spring 1996: Review of Economic Studies Tour

1995-1996: Harvard/MIT Research Training Group in Positive Political Economy Fellowship  
1992-1995: National Science Foundation Graduate Fellowship

## **RESEARCH**

### *Journal Publications:*

"Enforcement of Vintage Differentiated Regulations: The Case of New Source Review," with James Bushnell. Forthcoming, ***Journal of Environmental Economics and Management***.

"Deregulation, Consolidation and Efficiency: Evidence from U.S. Nuclear Power," with Lucas Davis. Forthcoming, ***American Economic Journal: Applied Economics***.

"Dynamic Pricing of Electricity," with Paul Joskow. Forthcoming, ***American Economic Review Papers and Proceedings***.

"How Will Energy Demand Develop in the Developing World?" with Ori Shelef and Paul Gertler. Forthcoming, ***Journal of Economic Perspectives***.

"'Opt-Out' Rates at Motherhood across High-Education Career Paths: Selection versus Work Environment," with Jane Leber Herr. Forthcoming, ***Industrial and Labor Relations Review***.

"Sacred Cars? Cost-Effective Regulation of Stationary and Non-stationary Pollution Sources," with Meredith Fowlie and Christopher Knittel, ***American Economic Journal: Economic Policy***, 2012, Vol. 4 (February): 98-126.

"Local Solutions to Global Problems: Climate Change Policy and Regulatory Jurisdiction," with James Bushnell and Carla Peterman, ***Review of Environmental Economics and Policy***, 2008, Vol. 2 (Summer): 175-193.

"Inefficiencies and Market Power in Financial Arbitrage: A Study of California's Electricity Markets," with Severin Borenstein, James Bushnell, and Christopher Knittel, ***Journal of Industrial Economics***, 2008, Vol. 56 (June): 347-378.

"Do Markets Reduce Costs? Assessing the Impact of Regulatory Restructuring on US Electric Generation Efficiency" with Kira Fabrizio and Nancy Rose, ***American Economic Review***, 2007, Vol. 97 (September): 1250-1277.

"Coordinating on Lower Prices: Pharmaceutical Pricing under Political Pressure," with Sara Fisher Ellison, ***RAND Journal of Economics***, 2006, Vol. 37 (Summer): 325-341.

"Why Do Manufacturers Issue Coupons? An Empirical Analysis of Breakfast Cereals," with Aviv Nevo, ***RAND Journal of Economics***, 2002, Vol. 33 (Summer): 319-339.

"Regulating Executive Pay: Using the Tax Code to Influence CEO Compensation," with Nancy Rose, *Journal of Labor Economics*, 2002, Vol. 20 (April): S138-S175.

"Has the "Million-Dollar Cap" Affected CEO Pay?" with Nancy Rose, *American Economic Review Papers and Proceedings*, 2000, Vol. 90 (May): 197-202.

"Measuring Duopoly Power in the British Electricity Spot Market," *American Economic Review*, 1999, Vol. 89 (September): 805-826.

"Strategic Bidding in a Multiunit Auction: An Empirical Analysis of Bids to Supply Electricity in England and Wales," *RAND Journal of Economics*, 1998, Vol. 29 (Winter): 703-725.

"Increases in Executive Pay Following Privatization," *Journal of Economics and Management Strategy*, 1998, Vol. 7 (Fall): 327-361 (*lead article*).

"Decomposing the Sources of Incumbency Advantage in the U.S. House," with Steven D. Levitt, *Legislative Studies Quarterly*, 1997, Vol. 22 (February): 45-60.

"Political Constraints on Executive Compensation: Evidence From the Electric Utility Industry," with Paul Joskow and Nancy Rose, *RAND Journal of Economics*, 1996, Vol. 27 (Spring): 165-182.

*Other Publications:*

"The Guy at the Controls: Labor Quality and Power Plant Efficiency," with James Bushnell, in Richard Freeman and Kathryn Shaw, eds., International Differences in the Business Practices and the Productivity of Firms. University of Chicago Press, 2009.

Book review of The Unsustainable Costs of Partial Deregulation, by Paul W. MacAvoy, *Journal of Economic Literature*, 2008, Vol. 46 (December): 1030-1032.

"Electricity Markets," with James Bushnell, in S. N. Durlauf and L. E. Blume, eds., The New Palgrave Dictionary of Economics, Second Edition, 2008.

"The Efficiency of Electricity Generation in the U.S. After Restructuring," in James Griffin and Steve Puller, eds., Electricity Deregulation: Choices and Challenges. University of Chicago Press, 2005.

"Pricing Security," with L. Jean Camp, in L. Jean Camp and Stephen Lewis, eds., Economics of Information Security, vol. 12, Advances in Information Security. Springer-Kluwer, 2004.

"Comments on 'The Adoption and Impact of Advanced Emergency Response Services'," by Susan Athey and Scott Stern, and "Comments on 'Comparing Hospital Quality at For-Profit and Not-for-Profit Hospitals'," by Mark McClellan and Douglas Staiger, in David Cutler, ed., The Changing Hospital Industry. University of Chicago Press, 2000.

"Electricity Markets: Should the Rest of the World Adopt the United Kingdom's Reforms?" *Regulation*, 1999, Vol. 22, (4): 48-53.

*Working Papers:*

"Cursed Resources? Political Conditions and Oil Market Outcomes," with Gilbert Metcalf.

"Poverty, Growth, and the Demand for Energy," with Alan Fuchs, Paul Gertler, and Orié Shelef.

"California's Greenhouse Gas Policies: How Do They Add Up?" with James Bushnell and Carla Peterman. Revise and resubmit, *Energy Journal*.

"Do Households Smooth Small Consumption Shocks? Evidence from Anticipated and Unanticipated Variation in Home Energy Costs," with Julie Cullen and Leora Friedberg.

"Ownership Change, Incentives and Plant Efficiency: The Divestiture of US Electric Generation Plants," with James Bushnell.

*Books in Progress:*

The Design and Implementation of U.S. Climate Policy, edited with Don Fullerton.

**PROFESSIONAL ACTIVITIES**

*Positions Held*

Co-Director, Energy Institute at Haas, July 2009 to present

Research Associate, National Bureau of Economic Research, September 2006-present

Visiting Researcher, University of California Energy Institute, July 2000-present

Faculty Scientist, Environmental Energy Technologies Division, Lawrence Berkeley National Laboratory, September 2009-present

Senior Policy Scholar, Georgetown Center for Business and Public Policy, July 2008-present

Member, National Academy of Sciences Committee on the Effects of Provisions in the Internal Revenue Code on Greenhouse Gas Emissions, April 2011- present

Board of Directors, Association of Environmental and Resource Economics, January 2009-December 2011

Board of Editors, *The Energy Journal*, July 2002-present

Associate Editor, *Journal of Industrial Economics*, July 2005-present

Associate Editor, *Economic Journal*, April 2008-April 2011

*Invited Presentations*

“Policies to Address Climate Change: Opportunities and Challenges,” State-of-the-Art Lecture to the Canadian Economics Association, June 7, 2008, University of British Columbia.

*Conferences*

Conference co-organizer (with Scott Taylor), National Bureau of Economic Research Energy and Environmental Economics Summer Institute Meeting, July 29-30, 2011.

Program Committee, Association for Environmental and Resource Economists, Inaugural Summer Conference, June 9-10, 2011.

Program Committee, World Congress of Environmental and Resource Economists, June 28-July 2, 2010.

Co-organizer (with Don Fullerton), “The Design and Implementation of U.S. Climate Policy,” National Press Club, May 13-14, 2010.

Conference co-organizer (with Matt Kotchen), National Bureau of Economic Research Energy and Environmental Economics Summer Institute Meeting, July 20-21, 2009.

Conference co-organizer (with Erin Mansur), National Bureau of Economic Research Energy and Environmental Economics Program Meeting, February 8, 2008.

Conference co-organizer (with Florian Zettelmeyer), National Bureau of Economic Research Industrial Organization Program Meeting, February 2-3, 2007.

Program Committee (Empirical Industrial Organization), Econometric Society North American Winter Meeting, January 6-8, 2006.

Program Committee, International Industrial Organization Conference, 2004, 2005, 2007.

Program Committee (Applied Microeconomics), Econometric Society North American Summer Meeting, June 26-29, 2003.

Conference co-organizer (with Frank Wolak), National Bureau of Economic Research Industrial Organization Program Meeting, January 25-26, 2002.

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