

## MEREDITH L. FOWLIE

University of California, Berkeley · Agricultural and Resource Economics

207 Giannini Hall · Berkeley, CA 94720-3310

(510) 642-4820 (W)

E-mail: [fowlie@berkeley.edu](mailto:fowlie@berkeley.edu)

website : <http://nature.berkeley.edu/~fowlie/>

---

### APPOINTMENTS

---

#### EMPLOYMENT

- 2015-present Class of 1935 Endowed Chair in Energy  
2013-present Associate Professor (with tenure), Agricultural and Resource Economics,  
University of California, Berkeley.  
2009-2013 Assistant Professor of Agricultural and Resource Economics, University of  
California, Berkeley  
2006-2009 Assistant Professor of Economics and Public Policy, University of Michigan

#### PROFESSIONAL

- 2014-present J-PAL Affiliate  
2014-present Center for Global Action (CEGA) Affiliate.  
2013-present Research Associate, National Bureau of Economic Research  
2010-present Affiliated Faculty, Energy and Resources Group, UC Berkeley  
2008-2013 Faculty Research Fellow, National Bureau of Economic Research

---

### EDUCATION

---

- 2006 Ph.D. Environmental and Resource Economics, UC Berkeley  
2000 M.Sc. Environmental Economics, Cornell University  
1997 B.Sc. International Agriculture and Development (Honors), Cornell University

---

### RESEARCH

---

#### Published and Accepted Papers

“Are the Non-Monetary Costs of Energy Efficiency Investments Large? Understanding Low Take-up of a Free Energy Efficiency Program,” (with Michael Greenstone and Catherine Wolfram), forthcoming *American Economic Review Papers and Proceedings*, May 2015.

“An Economic Perspective on the EPA’s Clean Power Plan,” with Lawrence Goulder and Matthew Kotchen,(lead authors); James Bushnell, Lucas Davis, Michael Greenstone, Charles Kolstad, Christopher Knittel, Robert Stavins, Michael Wara, and Frank Wolak. *Science*, 2014, Vol. 346 (November): 815-816.

“Market-based Environmental Regulation and the Evolution of Market Structure” (with Stephen Ryan and Mar Reguant). Accepted to the *Journal of Political Economy*.

“Distributing Pollution Rights in Cap-and-Trade Programs: Are Outcomes Independent of Allocation?” (with Jeffrey Perloff). *Review of Economics and Statistics*, December 2013, 95(5).

“The Economics of Solar Energy” (with Erin Baker, Derek Lemoine, and Stanley Reynolds). *Annual Review of Resource Economics*. Vol. 5: 387-426.

“What Do Emissions Markets Deliver and to Whom? Evidence from Southern California's NO<sub>x</sub> Trading Program” (with Stephen P. Holland and Erin Mansur). *American Economic Review*. 102(2): 965-93. April 2012.

“Sacred Cars? Cost-Effective Regulation of Stationary and Non-stationary Pollution Sources” (with Christopher Knittel and Catherine Wolfram). *American Economic Journal: Economic Policy*. 4(1): 98-126. February 2012.

“Emissions Trading, Electricity Industry Restructuring, and Investment in Pollution Control.” *American Economic Review*. 100(3):837-83. June 2010.

“Incomplete Environmental Regulation, Imperfect Competition, and Emissions Leakage.” *American Economic Journal: Economic Policy*. 1(2): 72-112. August 2009.

“Demand Side Management and Energy Efficiency Revisited” (with Maximilian Auffhammer and Carl Blumstein). *The Energy Journal*. 29(3): 91-104. 2008.

“Public Goods and Private Interests: Understanding Non-Residential Demand for Green Power” (with Edward Holt and Ryan Wiser). *Energy Policy*. 29(13):1085-1097. November 2001.

### **Book chapters and monographs**

“Updating the Allocation of Greenhouse Gas Emissions Permits in a Federal Cap-and-Trade Program.” In Don Fullerton and Catherine Wolfram, ed. *The Design and Implementation of U.S. Climate Policy*, University of Chicago Press. 2012.

“The Environment and Competition in Electricity in the USA and the UK: The Impact of Restructuring on CO<sub>2</sub> Emissions.” Oxford Institute for Energy Studies Monograph EV7. 1999.

### **Submitted manuscripts and working papers**

““Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program,” (with Michael Greenstone and Catherine Wolfram). Revisions requested, *Quarterly Journal of Economics*.

“Market-based Emissions Regulation when Damages Vary Across Sources: What are the Gains from Differentiation?” (with Nicholas Muller). Revisions requested, *American Economic Review*.

“Product Design Response to Policy Intervention: Evaluating Fuel Economy Standards when Design Attributes are Endogenous” (with Kate Whitefoot and Steven Skerlos).

“Allocating Emissions Permits in Cap-and-trade Programs: Theory and Evidence.”

### **Book Reviews**

Review of “Lessons from Liberalised Electricity Markets”, OECD/IEA, *Journal of Economic Literature*. 2006. 44 (4), pp. 1072-1073.

## **Grants**

- 2014-2016 Co-principal Investigator: “Electrifying India Intelligently- Bringing Smart Grids to Rural India” (with Eric Brewer, Yashraj Khaitan, Edward Miguel, and Catherine Wolfram), US AID DIV.
- 2013-2015 Co-principal Investigator: “Measuring and monitoring potential cap-and-trade program-related greenhouse gas emissions leakage in emissions-intensive, trade-exposed industries” (with Wayne Gray, Joshua Linn, Richard Morgenstern, Mar Reguant, Stephen Ryan).
- 2011-2013 Co-Principal Investigator: “Reconcilable Differences? Examining the Gap between Engineering Projections and Ex-Post Realized Gains from Energy Efficiency Investments” (with Catherine Wolfram), BECI Innovation Seed Fund in Energy and Climate Research.
- 2010-2012 Co-Principal Investigator: “Reducing Energy Consumption and Greenhouse Gas Emissions through Energy-Efficiency Retrofits: Evidence from Low-Income Households” (with Michael Greenstone and Catherine Wolfram), funded by the Alfred P. Sloan Foundation.
- 2010-2012 Co-Principal Investigator: “Smart Grid and Dynamic Pricing: Large-Scale Demonstration Projects” (with Catherine Wolfram), funded by the Department of Energy.
- 2010-2011 Co-Principal Investigator: “Randomized Encouragement Design Analysis of the DOE Weatherization Assistance Program” (with Catherine Wolfram), funded by the Department of Energy
- 2009-2011 Co-Principal Investigator: “Market-based Environmental Regulation of Industry: An Empirical Approach” (with Stephen Ryan), NSF Grant SES-0922401.
- 2008 CLOSUP Policy Research Grant, University of Michigan  
Rackham Faculty Research Grant; Rackham Summer Research Grant

## **Awards and Fellowships**

- 2011 Hellman Faculty Fund Award
- 2010 Sloan Foundation Industry Studies Fellowship
- 2007 American Agricultural Economics Association Outstanding PhD Dissertation Award  
University of California Competition Policy Center Dissertation Award

Michigan Memorial Phoenix Institute Energy Science, Technology and Policy Award (with Duncan Callaway, Greg Keoleian, Tom Lyon, Michael Moore, and Steven Skerlos).

### **Professional Affiliations**

American Economics Association; Association of Environmental and Resource Economists.

### **Service (selected)**

Conference Committee (current chair), Association of Resource and Environmental Economics, 2013- present.

Board Member, Association of Resource and Environmental Economics, 2014-present.

Co-organizer, NBER EEE meeting, summer 2014

Referee for:

*American Economic Journal: Economic Policy, American Economic Review, American Journal of Agricultural Economics, B.E. Journals in Economic Analysis & Policy, Climate Policy, Ecological Applications, The Energy Journal, Environment Research Letters, International Journal of Environmental Research and Public Health, Journal of Agricultural and Resource Economics, Journal of Applied Economics, Journal of Economic Literature, Journal of the European Economic Association, Journal of Environmental Economics and Management, Journal of Industrial Economics, Journal of Political Economy, Journal of Public Economics, Journal of Public Economic Theory, Operations Research, Quarterly Journal of Economics, RAND Journal of Economics, Review of Economics and Statistics, Science.*

### **Invited Seminars (2008-present)**

Columbia University, Carnegie Mellon, Cornell University, Duke University, Eastern Michigan University, ETH Zurich, Environmental Defense, Harvard University, European Environment Agency, MIT, McGill University, Michigan State University, Middlebury College, NYU Stern, Resources for the Future, Stanford, Texas A&M, Triangle Research, University of Alberta, University of Basel, University of British Columbia, UC Berkeley, University of Calgary, UC Davis, UC San Diego, UC Santa Barbara, University of Calgary, University of Chicago, University of Colorado, University of Guelph, University of Maryland, University of Michigan, University of Pittsburgh, University of Maryland, University of Minnesota, University of North Carolina, University of Southern California, University of Tennessee, University of Toronto, University of Wisconsin, Madison, US Environmental Protection Agency, Wharton School of Business (Penn), Yale University.