

## Harrison Fell

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### **Education:**

University of Washington, Seattle, WA  
Ph.D. in Economics – June 2007  
M.A. in Economics – 2004  
  
Colorado School of Mines, Golden, CO  
B.S. in Economics – 2001  
B.S. in Engineering with Civil Specialty – 2001

### **Professional Experience:**

Associate Professor (untenured), Department of Ag. & Resource Economics,  
July 2016 – Present  
  
Assistant Professor, Division of Economics and Business, Colorado School of Mines,  
December 2011 – July 2016  
  
Fellow, Resources for the Future, 2007 – 2011

### **Journal Articles**

Pless, J. and H. Fell. Bribes, Bureaucracies, and Blackouts: Toward Understanding How  
Corruption Impacts Electricity Reliability. *Resource and Energy Economics*, forthcoming.

Chan, S.H., H. Fell, I. Lange, and S. Li. Efficiency and Environmental Impacts of Electricity  
Restructuring on Coal-fired Power Plants. *Journal of Environmental Economics and  
Management*, 2017, 81:1-18.

Fell, H. Comparing Policies to Confront Permit Over-allocation. *Journal of Environmental  
Economics and Management*, 2016, 80:53-68.

Fell, H. and C. Kousky. The Value of Levee Protection to Commercial Properties. *Ecological  
Economics*, 2015, 119: 181-188.

Fell, H., B. Hintermann, and H. Vollebergh. Carbon Content of Electricity Futures in Phase II of  
the EU ETS. *The Energy Journal*, 2015, 36(4): 61-83.

Fell, H. and D. Kaffine. Think locally, act locally: Can decentralized planning really achieve  
first-best in the presence of environmental spillovers? *Journal of Environmental Economics  
and Management*, 2014, 68(1): 46-53.

Fell, H., S. Li, and A. Paul. A New Look at Residential Electricity Demand using Expenditure  
Data. *International Journal of Industrial Organization*, 2014, 33: 37-47.

Fell, H. and J. Linn. Renewable Electricity Policy, Intermittency, and Cost-effectiveness. *Journal  
of Environmental Economics and Management*, 2013, 66(3): 688-707.

- Fell, H. and A. Haynie. Spatial Competition with Changing Market Institutions. *Journal of Applied Econometrics*, 2013, 28(4): 702-719.
- Fell, H., D. Burtraw, R.D. Morgenstern, and K.L. Palmer. Soft and Hard Price Collars in a Cap-and-Trade System: A Comparative Analysis. *Journal of Environmental Economics and Management*, 2012, 64(2):183-198.
- Fell, H., I. MacKenzie, and W.A. Pizer. Prices versus Quantities versus Bankable Quantities. *Resource and Energy Economics*, 2012, 34(4):607-623.
- Fell, H., D. Burtraw, R.D. Morgenstern, and K.L. Palmer. Climate Policy Design with Correlated Uncertainties in Offset Supply and Abatement Cost. *Land Economics*, 2012, 88(3):589-611.
- Fell, H. and A. Haynie. Estimating Time-varying Bargaining Power: A Fishery Application. *Economic Inquiry*, 2011, 49(3):685-696.
- Fell, H., E. Moore, and R.D. Morgenstern. Cost Containment under Cap and Trade: A Review of the Literature. *International Review of Environmental and Resource Economics*, 2011, 5:285-307.
- Fell, H. and R.D. Morgenstern. Alternative Approaches to Cost Containment in a Cap-and-Trade System. *Environment and Resource Economics*, 2010, 47(2):275-297.
- Fell, H. EU-ETS and Nordic Electricity: A CVAR Analysis. *The Energy Journal*, 2010, 31(2):219-239.
- Fell, H. Ex-vessel Pricing and IFQs: A Strategic Approach. *Marine Resource Economics*, 2009, 24:311-328 (Outstanding Paper of the Year, honorable mention).
- Fell, H. Rights Based Management and Alaska Pollock's Processor Supply. *American Journal of Agricultural Economics*, 2008, 90(3):579-592.

### **Working Papers**

- “The Fall of Coal: Joint Impacts of Fuel Prices and Renewables on Generation and Implications for Policy” (with Daniel Kaffine) revision requested at *AEJ: Economic Policy*.
- “Energy Efficiency and Emissions Intensity Standards” (with Daniel Kaffine and Daniel Steinberg) revision requested at *Journal of the Association of Environmental and Resource Economists*.
- “To Buy or to Lease? A Selection Bias Problem in the Residential Solar PV Market” (with Jacquelyn Pless and Ben Sirgin) revision requested at *The Energy Journal*.
- “Fuel Prices, Restructuring, and Natural Gas Plant Operations” (with Matthew Doyle) under review.
- “Sub-national Leakage: The Effect of the Regional Greenhouse Gas Initiative on Aggregate Emissions” (with Peter Maniloff) under review.
- “Asymmetric Cost Pass-Through in Multi-Unit Procurement Auctions: An Experimental Approach” (with Erica Meyers and A.J. Bostian).

### **Ongoing Research:**

“Deforestation Drivers: How Important are Spatiotemporal Considerations?” (with Allen Blackman and Sean Ericson)

“Renewables and the Cost of Ramping” (with Kevin Novan and Daniel Kaffine).

### **Recent Academic Presentations (Conferences and Invited Seminars):**

2016 – North Carolina State University, University of Illinois Urbana-Champaign ACE, University of Massachusetts Amherst Resource Economics, Arizona State University School of Sustainability

2015 – American Economic Association Meetings, University of Wyoming Department of Economics

2014 – American University Economics Department, Colorado State University Economics Department, CU Environmental Workshop, Western Economic Assoc. Meetings

2013 – AERE Summer Conference, Front Range Energy Workshop

2012 – CU-Denver Economics Department, UC Berkeley Energy Institute, AERE Summer Conference, CU Environmental Workshop, Front Range Energy Workshop

2011 – Southern Economic Assoc. Meetings, AERE Summer Conference, Cornell Conference of Carbon Offsets, Colorado School of Mines Division Economics and Business, University of Washington College of the Environment, UC Davis Ag and Resource Econ Seminar

2010 – World Congress of Environmental and Resource Economics, Congressional Budget Office

### **Grants and Awards:**

2015 – Co-PI on Smith Richardson Foundation Grant (\$25,000) to study “Environmental and Safety Regulatory Design for Oil and Gas Production”

2015 – PI on NOAA Grant (\$26,114) to study “Spatial Competition and Catch Shares: A Model Averaging Approach”

2014 – PI on JISEA/NREL/Alliance for Sustainable Energy grant (\$23,000) to study “Solar Adoption Determinants”

2013 – PI on JISEA/NREL/Alliance for Sustainable Energy grant (\$18,206) to study “Economic Analysis at the Intersection of Clean Energy Development, Economic Growth, and Poverty Reduction in a Developing Country Context”

2012 - Researcher on NSF-Partnership for International Research and Education grant (\$3,857,960), Project on Earth Dam & Levee Sustainability.

2010 - PI on early researcher grant (\$45,000) from the Environmental Protection Agency to study banking and investment behavior in SO<sub>2</sub> trading program.

2010 - Co-PI with Dallas Burtraw, Richard Morgenstern, and Karen Palmer on research grant (\$120,000) from National Commission on Energy Policy to study uncertainty in offset supply and price collar design.

2009 - Co-PI with Richard Morgenstern on research grant (\$53,000) from Resources for the Future to study cost containment alternatives for a U.S. carbon trading program.

2008 - PI on research grant (\$45,000) from NOAA-NMFS to study impacts of climate change and rationalization on port competition and fisher location choices.

2009 - Dr. S.-Y. Hong Award for Outstanding Article in *Marine Resource Economics* Honorable Mention.

### **Teaching Experience:**

North Carolina State University, Dept. of Econ. and Ag & Res. Econ. –  
Environmental and Resource Economics – Econ. Grad Course (Fall 2016)  
Intro. to Enviro. and Res. Econ. – Ag. Econ. Undergrad Course (Fall 2016)

Colorado School of Mines, Division of Economics and Business –  
Advanced Topics in Natural Resource Economics – Graduate Course (Spring 2011- 2016)  
Advanced Econometrics – Graduate Course (Fall 2012-2015)  
Industrial Organization – Undergraduate/Graduate Course (Fall 2013)  
Environmental Economics – Undergraduate (Fall 2014, Spring 2015, Spring 2016)

Georgetown University, Georgetown Public Policy Institute –  
Environmental Economics (Fall 2010)

### **Professional Activities:**

Editorial Council at *Journal of the Association of Environmental and Resource Economists*, 2014  
– Present

Editorial Council at *Journal of Environmental Economics and Management*, 2016 – Present

Co-chair of organizing committee for 2016 AERE Summer Meeting.

Member: Association of Environmental and Resource Economists, American Economic Association, US Association of Energy Economists.

Referee: *Journal of Public Economics*, *Journal of Environmental Economics and Management*, *Journal of the Association of Environmental and Resource Economists*, *Empirical Economics*, *Environment and Resource Economics*, *Energy Journal*, *Energy Policy*, *Energy Economics*, *Resource and Energy Economics*, *American Journal of Agricultural Economics*, *Proceedings of the National Academies of Science*, *Land Economics*, *Marine Resource Economics*.