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FIELDS Energy and environmental economics, development economics,

industrial organization, applied econometrics

EDUCATION University of California, Berkeley

Ph.D., Agricultural and Resource Economics, 2018 (expected)

M.S., Agricultural and Resource Economics, 2013

University of Michigan, Ann Arbor

B.A., Economics and Spanish (with Highest Distinction), 2007

Job Market Paper "Market Power in Coal Shipping and Implications for U.S. Climate Policy." [LINK] Energy Institute at Haas Working Paper #285. UC Berkeley. 2017.

PEER-REVIEWED PAPERS "Environmental and Technology Policy Options in the Electricity Sector: Are We Deploying Too Many?" (with Carolyn Fischer and Richard Newell). *Journal of the Association of Environmental and Resource Economists* 4(4): 959–984. 2017.

"Combining Policies for Renewable Energy: Is the Whole Less Than the Sum of Its Parts?" (with Carolyn Fischer). *International Review of Environmental and Resource Economics* 4(1): 51–92. 2010.

Working Papers

"Panel Data and Experimental Design" (with Fiona Burlig and Matt Woerman). [LINK] Energy Institute at Haas Working Paper #277. UC Berkeley. 2017. (under review)

"Out of the Darkness and Into the Light? Development Effects of Rural Electrification in India" (with Fiona Burlig). [LINK]
Energy Institute at Haas Working Paper #268. UC Berkeley. 2016. (under review)

"Optimal Siting, Sizing, and Enforcement of Marine Protected Areas in Lower Income Countries" (with H.J. Albers, E.J.Z. Robinson, and R. Madrigal). Working Paper. 2016.

"Marine Protected Areas in Artisanal Fisheries: A Spatial Bio-economic Model Based on Observations in Costa Rica and Tanzania" (with H.J. Albers, R. Madrigal, E.J.Z. Robinson, S. Kirama, R.B. Lokina, J. Turpie, and F. Alpízar). Environment for Development Initiative. Discussion Paper Series, EfD DP 15–16. 2015.

"The Effects of the Newtown School Shooting on Online Ammunition Prices." Working Paper. 2014.

"Soft and Hard Price Collars in a Cap-and-Trade System: A Comparative Analysis" (with Harrison Fell, Dallas Burtraw, Richard Morgenstern, and Karen Palmer). RFF DP 10–27. Resources for the Future, Washington, D.C. 2010.

REPORTS AND BRIEFS

"How Large Are the Benefits of Rural Electrification?" (with Fiona Burlig). *ARE Update*, 20(3): 4–6. University of California Giannini Foundation of Agricultural Economics. 2017.

The Supply Chain and Industrial Organization of Rare Earth Metals: Implications for the U.S. Wind Energy Sector (with Jhih-Shyang Shih, Joshua Linn, Timothy J. Brennan, Joel Darmstadter, and Molly K. Macauley). RFF Report. Resources for the Future, Washington, D.C. 2012.

RESEARCH EXPERIENCE	2013 - 2013 - 2015 $2012 - 2013$ $2012 - 2009 - 2012$	Graduate Student Researcher, Energy In Research Assistant, National Bureau of I Graduate Student Researcher, Dept. of A Research Associate, EfD-Central Americ Senior Research Assistant, Resources for	Economic Research Ag. and Resource Econ., UC Berkeley a (CATIE), Turrialba, Costa Rica
Professional Experience	2011 2008 – 2009	Consultant, Energy Department, The We Business Analyst, Capital One Financial	
TEACHING	Spring 2016	Graduate Student Instructor, "Regulation Dept. of Ag. and Resource Economics, U	<u> </u>
	Spring 2015	Reader, "Energy and Environmental Ma Haas School of Business, UC Berkeley (N	
Awards	Sloan Foundation/The E2e Project Grant (with Fiona Burlig, Matt Woerman) JPAL North America Travel/Project Dev. Grant (with Fiona Burlig, Matt Woerman) Joseph L. Fisher Dissertation Fellowship, Resources for the Future Weiss Family Program Fund Grant (with Fiona Burlig) Giannini Foundation Mini-Grant (with Fiona Burlig, Matt Woerman) Outstanding Graduate Student Instructor Award, UC Berkeley BITSS SSMART Grant (with Fiona Burlig, Matt Woerman) CEGA Levin Family Fellowship (with Fiona Burlig, Manaswini Rao) Explore Grant, UC Berkeley Development Impact Lab (with Fiona Burlig) Honorable Mention, NSF Graduate Research Fellowships Program Phi Beta Kappa, University of Michigan		
PRESENTATIONS	2017: UC Berkeley, Dept. of Agricultural and Resource Economics; UC Berkeley, Energy Institute at Haas; NBER Summer Institute in Environmental and Energy Economics 2016: Colorado School of Mines, Division of Economics and Business; UC Berkeley, Energy		
	Institute at 1		s and Business; UC Berkeley, Energy
	2015: Northeast Universities Development Consortium (NEUDC) Conference; UC Berkeley, Economics Department, Development Lunch; UC Berkeley, Energy Institute at Haas; University of Michigan, Economics Department, MITRE Symposium		
	2014: UC Be	Berkeley, Energy Institute at Haas	
Referee	The Energy Journal; Energy Policy; Journal of Environmental Economics and Management; Resource and Energy Economics		
SKILLS AND PROFICIENCIES	 U.S. Census Bureau Special Sworn Researcher (2013–present) Software: Matlab, Stata, R, LaTex, Python Languages: English (native), Spanish (fluent), Portuguese (beginner) Citizenship: USA Classical pianist 		
REFERENCES		wlie, Associate Professor Resource Economics, UC Berkeley	fowlie@berkeley.edu 510-642-4820
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