

## Fiona Burlig

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### Academic appointments

Assistant Professor, Harris School of Public Policy, University of Chicago, 2018 –  
Faculty Research Fellow, National Bureau of Economic Research, 2019 –  
Deputy Faculty Director, Energy Policy Institute at UChicago-India (EPIC-India), 2022 –  
Postdoctoral Scholar, Department of Economics, University of Chicago, 2017 – 2018

### Affiliations and additional appointments

Affiliated faculty, Energy Policy Institute at the University of Chicago (EPIC) and EPIC-India, 2017 –  
Catalyst, Berkeley Initiative for Transparency in the Social Sciences, 2017 –  
Faculty affiliate, E2e Project, 2017 –  
Faculty affiliate, Energy and Environment Lab, University of Chicago Urban Labs, 2018 –  
Invited researcher, ATAI, K-CAI, and SPI, J-PAL, 2020 –  
Editorial council, *Journal of Environmental Economics and Management*, 2021 –  
Junior member, Coase Project, 2022 –

### Education

Ph.D., Agricultural and Resource Economics, UC Berkeley, 2017  
M.S., Agricultural and Resource Economics, UC Berkeley, 2013  
B.A., Economics, Political Science, and German, Williams College, 2012  
*Highest honors in economics; Cum Laude*

### Research interests

Energy and environmental economics; Development economics; Agricultural economics

### Publications

Out of the darkness and into the light? Development effects of rural electrification (with Louis Preonas).  
Forthcoming, *Journal of Political Economy*. [[Available here.](#)]  
Social networks and technology adoption: Evidence from church mergers in the U.S. Midwest (with Andrew Stevens)  
Forthcoming, *American Journal of Agricultural Economics*. [[Available here.](#)]  
Burlig, Fiona, James Bushnell, David Rapson, and Catherine Wolfram. 2021. "Low energy: Estimating electric vehicle electricity use," *AEA Papers and Proceedings*, 111: 430–435. [[Available here.](#)]  
Burlig, Fiona, Christopher Knittel, David Rapson, Mar Reguant, and Catherine Wolfram. 2020. "Machine learning from schools about energy efficiency," *Journal of the Association of Environmental and Resource Economists*, 7(6): 1181–1217. [[Available here.](#)]

Burlig, Fiona, Louis Preonas, and Matt Woerman. 2020. "Panel data and experimental design," *Journal of Development Economics* 144: 102458. [[Available here.](#)]

Burlig, Fiona. 2018. "Improving transparency in observational social science research: A pre-analysis plan approach," *Economics Letters* 168: 56–60. [[Available here.](#)]

## Working papers

Long-range forecasts as climate adaptation: Experimental evidence from developing-country agriculture (with Amir Jina, Erin Kelley, Gregory Lane, and Harshil Sahai). NBER Working Paper No. 32173. [[Available here.](#)]  
Accepted via pre-results review, *Journal of Development Economics*, eventual publication venue TBD.

Blackouts: The role of India's wholesale electricity market (with Akshaya Jha and Louis Preonas). NBER Working Paper No. 29610. [[Available here.](#)]

Energy, groundwater, and crop choice (with Louis Preonas and Matt Woerman). NBER Working Paper No. 28706. [[Available here.](#)]

## Selected work in progress

The role of experience and complementarity in technology adoption: Evidence from long-range monsoon forecasts (with Amir Jina, Erin Kelley, Gregory Lane, and Harshil Sahai). [[AEA RCT Registry No. 11594.](#)]

Liquid markets: Allocating clean water to the rural poor (with Amir Jina and Anant Sudarshan). [[AEA RCT Registry No. 10545.](#)]

Paying for power (with Anant Sudarshan). [[AEA RCT Registry No. 8742.](#)]

Groundwater in a changing climate (with R. Aaron Hrozencik, Louis Preonas, and Matt Woerman)

What drives electric vehicle usage? (with Jim Bushnell and Dave Rapson)

## Teaching

PPHA 34600: Masters' program evaluation, University of Chicago, 2019 –  
*Mean evaluation score: 4.2/5*

PPHA 59200: Current topics in public policy, University of Chicago, 2020 –

Causal inference and economics, EDE Summer School, University of Chicago, 2021 – 2022, 2024 –

## Prior work

Graduate Student Researcher – Energy Institute at Haas, UC Berkeley, 2014 – 2017

Graduate Student Instructor – ARE 212: Multiple Equation Estimation, UC Berkeley, 2016

Graduate Student Instructor – IAS 106: Intermediate Micro Theory, UC Berkeley, 2014

Teaching Assistant – ECON 251: Price and Allocation Theory, Williams College, 2012

Teaching Assistant – ECON 255: Econometrics, Williams College, 2011

## Selected grants and awards

J-PAL King Climate Action Initiative (with Amir Jina, Erin Kelley, Greg Lane, and Harshil Sahai), 2022

Templeton World Charity Foundation (with Anant Sudarshan), 2021

National Bureau of Economic Research (with Jim Bushnell and Dave Rapson), 2021

National Science Foundation (with Jim Bushnell and Dave Rapson), 2021

Agricultural Technology Adoption Initiative (with Faraz Hayat, Amir Jina, Erin Kelley, Greg Lane, and Harshil Sahai), 2020

J-PAL King Climate Action Initiative (with Jim Bushnell and Dave Rapson), 2020

J-PAL North America (with Ludovica Gasse, Michael Greenstone, and Olga Rostapshova), 2020

USDA ERS (with Louis Preonas and Matt Woerman), 2020

Alfred P. Sloan Foundation (with Duncan Callaway and Catherine Wolfram), 2020

J-PAL North America (with Ludovica Gasse, Michael Greenstone, and Olga Rostapshova), 2019

E2e Project / Alfred P. Sloan Foundation (with Louis Preonas and Matt Woerman), 2017

Giannini Foundation Minigrant (with Louis Preonas and Matt Woerman), 2017

National Science Foundation Graduate Research Fellowship, 2012 – 2017

Sidney Hoos Award for Best Second Year Project in Econometrics, UC Berkeley, 2014

Jack Larned Class of 1942 Prize for Best Development Economics Senior Thesis, Williams College, 2012

## Service

Referee: *American Economic Journal: Applied Economics*; *American Economic Journal: Economic Policy*; *American Economic Review*; *American Economic Review: Insights*; *American Journal of Agricultural Economics*; *Economic Development and Cultural Change*; *Economic Inquiry*; *The Energy Journal*; *Energy Policy*; *Journal of the Association of Environmental and Resource Economists*; *Journal of Development Economics*; *Journal of Industrial Economics*; *Journal of Political Economy*; *Journal of Public Economics*; *Journal of South Asian Development*; *Nature Energy*; *Review of Economics and Statistics*; *Review of Economic Studies*; *Science*; *Science Advances*; Global Innovation Fund; Alfred P. Sloan Foundation; National Science Foundation

Junior faculty and postdoc recruiting, University of Chicago, 2017 – present

Co-organizer, EPIC seminar, University of Chicago, 2019 – 2023

Co-organizer, Development Workshop, University of Chicago, 2021 – present

## Miscellaneous

Computing: Stata, R, Python, ArcGIS,  $\text{\LaTeX}$

Languages: English (native), Dutch (proficient), German (proficient)

Citizenship: USA, Netherlands, UK