

Matthew Ridge Butner

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## Research Interests

Environmental Economics, Energy Economics, Industrial Organization, Applied Microeconomics.

## Education

Ph.D. Economics, University of Colorado Boulder, 2019 (Expected)  
Dissertation Title: “Environmental Policy, Energy, and Public Goods”  
Committee: Jonathan Hughes (chair), Dan Kaffine, Scott Savage, Yongmin Chen  
M.A. Economics, University of Colorado Boulder, 2015  
B.A. Economics, University of South Florida, 2013  
B.S. Environmental Science and Policy, University of South Florida, 2013  
*Summa Cum Laude*  
Minor in Mathematics  
NSF Research Experience for Undergraduates at Tulane University, 2012

## Research

### Working Papers

1. Butner, M. R., 2018. Gone With The Wind: Consumer Surplus From Increased Renewable Generation.  
*I consider how electricity generators strategically respond to increased renewable generation. With hourly data on the supply of every market participant, I can directly test for curtailment in response to increased renewable generation. I find that large and diverse market participants curtail in response to increased renewable generation, decreasing consumer surplus by 2 to 3 billion US Dollars from 2014 to 2016.*
2. Butner, M. R., 2018. Concentration Effects of Heterogeneous Standards: Refinery Response to the Clean Air Act.  
*Sometimes environmental regulations will alter the geographic and product markets in which firms compete. This can impact the firms ability to exercise market power, and profits subsequently. I simulate a model of Cournot competition in which spatially differentiated multi-products firms profit more under increased environmental standards. In the context of the 1990 Clear Air Act Amendments, I then use a latent profit approach to show how boutique fuel standards insulated certain refineries from competition just as the simulation predicts.*

## **Works in Progress**

3. Butner, M. R. Incentives for Private-Public Bundling and the Provision of Public Goods.
4. Butner, M. R. Real Time Electricity Pricing as an Imperfect Emissions Policy, What is Second Best?

## **Conference Presentations**

- 2017 Front Range Energy Economics Camp, Western Economic Association International Annual Conference (AERE session, discussant), CU Workshop on Environmental and Resource Economics, Heartland Environmental and Resource Economics Workshop (poster), Southern Economic Association Annual Meeting (AERE session).
- 2016 Front Range Energy Economics Camp, Economic History Association Annual Conference (poster), Southern Economic Association Annual Meeting (AERE session).

## **Honors & Awards**

Graduate Award For Public Policy Research, University of Colorado Boulder, 2017  
Domestic Travel Grant, University of Colorado Boulder, 2016, 2017  
Partial Fellowship, University of Colorado Boulder, 2013, 2016, 2018  
Alumni Scholarship, University of South Florida, 2012  
Sustainability Scholar, University of South Florida, 2012  
Burton Memorial Scholarship in Economics, University of South Florida, 2011

## **Teaching**

### **University of Colorado Boulder, Instructor of Record**

Econ 3070 Intermediate Microeconomic Theory: Spring 2016, Fall 2017, Maymester 2018  
Econ 3818 Intro to Statistics with Computer Applications: Spring 2017

### **University of Colorado Boulder, Teaching Assistant**

Econ 2010 Principals of Microeconomics: Fall 2013  
Econ 2020 Principals of Macroeconomics: Spring 2014, Summer 2016  
Econ 3070 Intermediate Microeconomic Theory: Fall 2015  
Econ 3818 Intro to Statistics with Computer Applications: Summer 2015  
Econ 3545 Environmental Economics: Fall 2016  
Econ 3535 Natural Resource Economics: Spring 2018

## Miscellaneous

Participant in Sloan Technology Primer in Electricity for Social Scientists, 2017  
Participant in Sloan Summer School in Environmental and Energy Economics, 2016  
Research Assistant, Wolfgang Keller and Carol Shiue, AY 2015  
Departmental Tutor, University of Colorado Boulder, AY 2014  
Environmental Education Intern At Learning Gate Community School, 2013  
Legislative Intern for County Commissioner Al Higginbotham, 2012  
Member, Association of Environmental and Resource Economists, 2011–Present  
University Tutor, University of South Florida, 2009-2013  
Environmental Conservation Campaign Leader, Gulf Restoration Network, 2009