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## Deborah Baker Brannan

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### OBJECTIVE

Energy economist seeking a research and consulting position in the private or public sector starting in summer 2012.

### SUMMARY OF QUALIFICATIONS

- Research/Analysis: Critical reasoning, ability to understand and synthesize large quantities of information, ability to design empirical models to solve problems.
- Project Management: Ability to manage multiple projects at once, effectively mentor subordinates and peers
- Communication: Ability to organize and communicate ideas, provide technical information in practical terms
- Personal Qualities: Motivated, stamina, initiative, meticulous, learn quickly, ability to work alone or in groups

### EDUCATION

#### University of Colorado Boulder

Ph.D. in Economics, Expected May 2012

Graduate Energy Certificate, 2010

M.A. in Economics, 2008

B.A. in Economics with a Quantitative Emphasis, *summa cum laude*, with Honors, 2005

### EXPERIENCE

#### University of Colorado Boulder, Department of Economics

Doctoral Dissertation: "Understanding Modern Energy Policy: An Evaluation of RPS Mandates and Behavioral Nudges"

- Compiled a dataset using a variety of sources. Used statistical analysis to learn about the effectiveness of Renewable Portfolio Standards at increasing renewable generation and identify whether fossil fuel displacement has taken place.
- Designed and implemented two randomized control trials studying the role of behavioral interventions in energy consumption in the transportation sector.

#### University of Colorado Boulder, Renewable and Sustainable Energy Institute

Graduate Research Assistant (August 2011 – Present)

- Contract work for the National Renewable Energy Laboratory (with B. Farhar and W. Tomac). Identified SERC grantee needs, provided technical assistance, including reviews of community-based social marketing programs, developed educational materials on social and behavioral dimensions related to energy use in low-income households.

#### National Renewable Energy Laboratory

Research Participant Program (July 2010 – August 2011)

- Conducted an extensive literature review on behavioral biases and policy solutions in the context of energy problems. Developed an information resource guide for government energy programs.
- Conducted research into marketing products as "made with renewable energy". Designed and conducted in-depth interviews with a wide range of companies. Wrote technical report to be published by NREL.

#### University of Colorado Boulder, Institute of Behavioral Science

Graduate Research Assistant (September 2010 – May 2011)

- Designed and implemented two randomized control experiments.

Graduate Research Assistant (June and July, 2008)

- Conducted an instrumental variable analysis using extensive household- and individual-level survey data.

## **E Source**

Research Intern (June 2003 – October 2005)

- Conducted research into the regulatory issues surrounding Broadband over Power Lines (BPL).
- Researched and populated a searchable database of Demand-Side Management (DSM) programs offered by most electric and natural gas utility companies in North America.

## **PRESENTATION EXPERIENCE**

### **United States Association of Energy Economics, 30<sup>th</sup> Annual North American Conference**

“Changing the Energy Portfolio? An Empirical Evaluation of the Renewable Portfolio Standard” (October 2011)

### **12<sup>th</sup> Annual Environmental and Resource Economics Workshop, University of Colorado Boulder**

“Changing the Energy Portfolio? An Empirical Evaluation of the Renewable Portfolio Standard” (October 2011)

### **Renewable and Sustainable Energy Institute, University of Colorado Boulder**

- “Applying Behavioral Economics to Energy Consumption in the Transportation Sector” Poster presented at Energy Frontiers (April 2011) *Received 1<sup>st</sup> place award in the category: Behavioral Studies and Business Feasibility Plans*
- “Does Deregulation Induce Technological Innovation? A Patent Data Study” Poster presented at Energy Frontiers (April 2010)
- “Nudging Consumers to Save Energy” Poster presented at annual Research Symposium (October 2009)
- “Changing the Energy Portfolio? An Empirical Evaluation of the Renewable Portfolio Standard” Poster presented at annual Research Symposium (October 2008)

## **HONORS, AWARDS, GRANTS**

### **University of Colorado Boulder**

- Seed Grant, Awarded by the Renewable and Sustainable Energy Institute (2010)
- Award for Public Policy Research, Awarded by the Department of Economics (2010)
- Summer Graduate School Fellowship, Awarded by the Graduate School (2010)
- Leslie Whittington Fellowship for Excellence in Economics, Awarded by the Department of Economics (2009)
- Graduate School Fellowship, Awarded by the Graduate School (2006)

### **Other**

- Student Fellowship, Awarded by Stanford University’s Precourt Energy Efficiency Center (2010, 2011)
- Student Registration Fee Scholarship, Awarded by the United States Association of Energy Economics (2011)

## **TEACHING EXPERIENCE**

### **University of Colorado Boulder**

Instructor, Department of Economics Graduate Part-Time Instructor Workshop (April 2010)

- Lead workshop for graduate students on preparing for and teaching a field course in Economics.

Graduate Instructor, Environmental Economics (Spring 2010, Summer 2009)

- Designed a course to teach environmental economics to non-economics majors. Incorporated discussion of current environmental policy to engage and motivate 155 undergraduate students to understand the practical applications of environmental economics. Evaluate student performance through assignments, exams, and term papers.

Graduate Instructor, Introduction to Economics (Fall 2009, Spring 2009, Fall 2008)

- Designed a course to introduce the field of economics to 284 undergraduate students that were non-economics majors. Managed three teaching-assistants. Evaluate student performance through assignments, exams, and term papers.

Teaching Assistant, Principles of Macroeconomics (Spring 2008)

Teaching Assistant, Principle of Microeconomics (Fall 2007, Spring 2007, Fall 2006)

- Designed and taught four recitation sections of 25 students each. Performed grading duties and helped administer exams.

## **SKILLS**

Statistical Software: STATA, Mathematic (beginning), EViews (beginning)

Foreign Languages: Italian (intermediate), French (beginning)