

**James T. Hall, Research Associate**

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Synapse Energy Economics | 485 Massachusetts Avenue, Suite 2 | Cambridge, MA 02139 | 617-453-7069  
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**PROFESSIONAL EXPERIENCE**

**Synapse Energy Economics Inc.**, Cambridge, MA. *Research Associate*, August 2017 – Present

Conducts research and provides consulting on energy sector issues, with a focus on modern rate design, utility finance, load forecasting, energy efficiency, and demand response.

**The Brattle Group**, San Francisco, CA. *Research Analyst*, Summer 2015 – August 2017

- Conducted impact analyses using econometric models to identify the effectiveness of energy reduction technologies.
- Created and improved energy sales forecasting models for a variety of sectors and regions
- Designed and evaluated the efficacy of energy pricing plans (e.g., time-of-use and critical peak pricing).

**Wesleyan University, Quantitative Analysis Center**, Middletown, CT. *Tutor*, 2013-2015

- Assisted Wesleyan undergraduate students and faculty in their school or personal projects that involved the use of data analysis software.
- Acted as a resource both for learning the syntax of SAS, Stata, R, EViews, and SPSS and for understanding the logic behind statistical concepts.

**Wesleyan University, Government Department**, Middletown, CT. *Research Assistant*, 2015

- Provided data analysis and data visualization assistance for research identifying effective environmental advocacy strategies.
- Used statistical techniques (e.g., conditional inference trees and decision tree learning) to extract strategy variables that were significantly effective.

**Wesleyan University, Quantitative Analysis Center**, Middletown, CT. *Research Assistant*, Summer 2013

- Analyzed results from the Measuring Information Service Outcomes (MISO) survey using various data analysis software.
- Provided biweekly analysis reports to the on-campus IT department on ways to increase customer satisfaction and improve services.

**EDUCATION**

**Wesleyan University**, Middletown, CT

Bachelor of Arts, Economics and Earth & Environmental Sciences, 2015.

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## TESTIMONY ASSISTANCE

**Virginia State Corporation Commission (Case No. PUR-2017-00044):** Direct testimony of Melissa Whited regarding Rappahannock Electric Cooperative's proposed increases to fixed charges for residential customers and small business customers. On behalf of Sierra Club. September 19, 2017.

## RESEARCH

- *Estimating the Impact of DSM on Energy Sales Forecasts – A Survey of Utility Practices.* Presented at the 30<sup>th</sup> Annual Western Conference of the Center for Research in Regulated Industries, June 2017.
- Senior Thesis: *XRF-Derived Cyclicality in Pliocene and Pleistocene Sediments from ODP Site 693, Dronning Maud Land, Antarctica* (2015)

## SKILLS

*Computer Software:* R, SAS, VBA, Stata, SQL, ArcGIS

*Resume dated September 2017*