

## James T. Hall, 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. *Associate*, April 2019 – Present, *Research Associate*, August 2017 – March 2019

Conducts research and provides consulting on energy sector issues, with a focus on rate design, DER policy, load forecasting, energy efficiency, and economic impact modeling.

**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 and applications of 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.

## REPORTS AND PUBLICATIONS

Hall, J., R. Wilson, J. Kallay. 2018. *Effects of the Draft CAFE Standard Rule on Vehicle Safety*. Synapse Energy Economics on behalf of Consumers Union.

Allison, A., J. Hall, F. Ackerman. 2018. *Cleaner Cars and Job Creation: Macroeconomic Impacts of Federal and State Vehicle Standards*. Synapse Energy Economics for Union of Concerned Scientists, Natural Resources Defense Council, and American Council for an Energy-Efficient Economy.

Allison, A., J. Hall. 2018. *Macroeconomic Analysis of Clean Vehicle Scenarios for Colorado*. Synapse Energy Economics for Environmental Entrepreneurs.

Knight, P., P. Peterson, D. Hurley, J. Hall. *Working Toward a Clean, Reliable Electric Grid*. 2018. Synapse Energy Economics for Connecticut Fund for the Environment.

## 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, MATLAB, SAS, VBA, Stata, SQL, ArcGIS

*Resume dated April 2019*