

James T. Hall, Research Associate

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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 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.

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.

TESTIMONY ASSISTANCE

Woolf, T., J. Hall, M. Whited. 2018. *Earnings Adjustment Mechanisms to Support New York REV Goals: Outcome-Based, Program-Based, and Action-Based Options*. Prepared by Synapse Energy Economics for Advanced Energy Economy Institute.

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. 2018. *Working Toward a Clean, Reliable Electric Grid*. 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 30th 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 July 2018