Erin R. Camp, Senior Associate

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PROFESSIONAL EXPERIENCE

Synapse Energy Economics, Inc., Cambridge, MA. *Senior Associate,* July 2018 - present.

Provides consulting and researching services and writes reports and testimony on a wide range of issues related to the electric industry. Performs project management, data analysis and modeling, energy policy and economics, programming, and defensible high-quality research on energy topics.

The Cadmus Group, LLC. (formerly Meister Consultants Group), Boston, MA. *Senior Analyst*, January 2017 – June 2018**.**

Managed energy-related projects for public-sector clients at municipal, state, and federal levels. Developed analytical spreadsheet tool used by over 20 cities to identify optimal residences for renewable heating and cooling technologies. Assisted large municipal entity with research and stakeholder process for a strategic electrification project. Provided research, modeling, and stakeholder facilitation for a state electric vehicle deployment roadmap. Provided energy policy research and training for energy staff in several Caribbean nations.

Cornell Energy Institute, Ithaca, NY. *Graduate Teaching and Research Assistant*, August 2012–January 2017.

Provided teaching support for a course entitled *Analysis of Sustainable Energy Systems*.

U.S. Department of Energy, Washington, D.C. *Energy Systems Analyst,* February 2012 – August 2012.

Researched and modeled the sensitivity of the price of geothermal electricity to advancements in various technologies, culminating in a list of critical technologies to recommend for future research funding. Self-taught the use of the DOE GTO Excel-based techno-economic model, GETEM, within one month. Designed and conducted an industry-wide survey on research gaps for the future of geothermal energy, resulting in the conclusion that geothermal exploration methods need to be improved to reduce project risk.

EDUCATION

Cornell University, Ithaca, NY
Doctor of Philosophy in Geological Sciences, 2017. Designed and implemented three data-driven renewable energy research projects on low-temperature geothermal energy exploration, using a Department of Energy grant; mined, merged, and managed large spreadsheet-based datasets using GIS tools, MatLab, R, and Excel; self-coded a probabilistic mathematical model to analyze project datasets (MatLab); used robust statistical techniques for prediction of energy production; created concise visualizations for decision-makers.

Awards: NSF and Department of Energy Grant Recipient | Scholarship Recipient: Geothermal Resources Council, 2016; Estwing Award: Most Outstanding Graduate Student of Cornell Earth and Atmospheric Sciences Department, 2014-15.

Amherst College, Amherst, MA
Bachelor of Arts in Geology, 2011

PUBLICATIONS

Camp, E. and T. Jordan. 2017. Feasibility study of repurposing Trenton–Black River gas fields for geothermal heat extraction, southern New York. *Geosphere*; *13 (1): 22–35*. doi: 10.1130/GES01230.1.

Camp, E., T. Jordan, M. Hornbach, and C. Whealton. 2018. "A probabilistic application of oil and gas data for exploration stage geothermal reservoir assessment in the Appalachian Basin." *Geothermics: 71, 187-199.* DOI 10.1016/j.geothermics.2017.09.001.

Tester, J., T. Reber, K. Beckers, M. Lukawski, E. Camp, G. Andrea Aguirre, T. Jordan and F. Horowitz. 2015. "Integrating Geothermal Energy Use into Rebuilding American Infrastructure." *World Geothermal Congress*, Melbourne, Australia.

PRESENTATIONS

Repurposing the Trenton-Black River Gas Fields as Low-Temperature Geothermal Reservoirs in New York State, 2015, Conference of the American Association of Petroleum Geologists, Indianapolis, IN.

Geothermal Play Fairway Analysis of the Appalachian Basin: Lessons Learned in Reservoir Mapping and Characterization, 2015, Conference of the Geological Society of America, Baltimore, MD.

Resume dated June 2018