

Elijah Sinclair, Research Associate

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PROFESSIONAL EXPERIENCE

Synapse Energy Economics, Inc., Cambridge, MA. *Research Associate*, November 2020 - Present

- Conducts jobs and macroeconomic modeling at the national, state, and regional level on the impacts of building decarbonization, renewable energy development, and transportation electrification.
- Uses GIS to problem solve and map issues related to equity, renewable energy siting, and demand side management.
- Develops comments and analysis for clients on a wide range of topic areas including energy efficiency, renewable energy development, and grid security.

A9 Green, Lexington, MA. *Energy Efficiency Specialist*, October 2019 – October 2020

- Modelled the energy efficiency of buildings in Greater Boston using Excel and industry software.
- Provided recommendations to help clients meet building energy code.

The Walden Woods Project at Harvard Forest, Petersham, MA. *Research Assistant*, January – May 2019

- Conducted team-based fieldwork researching invasive species, deer populations, and biodiversity.

BW Research Partners, Wrentham, MA. *Research Intern*, May - September 2018

- Mapped low-income community access to job training in New England using ArcGIS.
- Conducted analyses for reports on clean energy, workforce diversity, and energy efficiency.
- Produced data analyses for reports including the Massachusetts Clean Energy Industry Report, the U.S. Energy and Employment Report, and the Energy Efficiency Jobs in America Report.

Economic Advancement Research Institute, Wrentham, MA. *Research Intern*, June 2017 – May 2018

- Developed a survey and whitepaper on nitrogen overloading in Cape Cod; discussed findings at annual conference.
- Conducted workforce research on programs seeking to expand equitable access to sustainable careers.

EDUCATION

Brandeis University, Waltham, MA

Bachelor of Arts in Environmental Studies and Economics, minor in Social Justice and Social Policy, 2019
Recipient of Macroeconomics Theory Paper Award, the Scheinman Prize, and Campus Sustainability Grant

Danish Institute of Study Abroad, Copenhagen, DK
Research in Urban Economics and Polar Biology, Spring 2018

SKILLS

IMPLAN, ArcGIS, Encompass, Microsoft Office Suite, Adobe Suite, EMSI, Qualtrics, Google Sketchup, Ekotrope, REM/Rate

PUBLICATIONS

Knight, P., J. Frost, T. Fitch, E. Sinclair, J. Taberner, O. Griot, B. Havumaki, J. Smith, L. Metz, S. Chavin. 2023. *TVA's Clean Energy Future: Charting a course to decarbonization in the Tennessee Valley*. Synapse Energy Economics for GridLab and Center for Biological Diversity.

Kallay, J., A. Napoleon, K. Takahashi, E. Sinclair, T. Woolf. 2021. *Opportunities for Evergy Kansas to Address Energy Equity Within its Integrated Resource Plan and Other Planning Processes*. Synapse Energy Economics for Union of Concerned Scientists.

Takahashi, K., E. Sinclair, A. Napoleon, A.S. Hopkins, D. Goldberg. 2021. *Evaluation of EnergyWise Low-Income Energy Efficiency Program in Mississippi—Program Performance, Design, and Implications for Low-Income Efficiency Programs*. Synapse Energy Economics for Sierra Club and Gulf Coast Community Foundation.

Liburd, S., E. Sinclair, T. Woolf, C. Roberto. 2021. *Hosting Capacity Analysis and Distribution Grid Data Security*. Synapse Energy Economics for the Northern Plains Resource Council.

Napoleon, A., E. Camp, S. Letendre, E. Sinclair. 2021. *Synapse Comments on the Pennsylvania Public Utility Commission on the Utilization of Storage Resources as Electric Distribution Assets - Docket No. M-2020-3022877*. Synapse Energy for the National Resources Defense Council.

Resume updated March 2023