

Sophie Schadler, Research Associate I

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PROFESSIONAL EXPERIENCE

Synapse Energy Economics, Inc., Cambridge, MA. *Research Associate*, September 2023 – Present

- Performs quantitative and qualitative research and analysis on energy-sector issues including energy efficiency, the future of natural gas, and electric vehicles.
- Assists in testimony development focused on leak-prone pipe and low-carbon fuels in future of gas proceedings.
- Supports modeling on gas rates and electric vehicle stock turnover.

Environmental Studies Capstone Research Project, Colgate University. *“Addressing New York State’s 2019 Climate Act: Impacts on Energy Demand and Strategies for Emission Reduction in the Village of Hamilton”*, January 2023 – May 2023

- Conducted research assessing the Village of Hamilton’s current and future energy needs and alignment with New York State’s goal to reduce carbon emissions 85% by 2050.
- Produced a paper forecasting future electric demand in the Village of Hamilton and recommending strategies to improve energy efficiency.

GIS Research Assistant, Colgate University. *Mapping Chicago Public Housing developments with Professor Madeleine Hamlin*, January 2023 — May 2023 and *Mapping Colgate’s landholdings with GIS*, June 2022 — August 2022

- Researched and digitized building footprints of demolished public housing developments in Chicago in contribution to a project on corrupt policing practices.
- Compiled the first GIS map of Colgate’s complete landholdings with area classified by land-cover type, published map and user’s guide for Colgate’s records and public access.

EDUCATION

Colgate University, Hamilton, NY: B.A. in Environmental Geography, minor in Economics, 2023
Areas of Focus: *Sustainable Development, Environmental Economics, and Human Geography*

SKILLS

Microsoft Office Suite, ArcGIS, Python

PUBLICATIONS

Mattioda, C., S. Shenstone-Harris, S. Schadler, J. Smith. 2024. *No-Regrets Solutions for Accelerating Grid Interconnection: How Fast-Track Interconnection Processes Cut Costs in SPP and MISO*. Synapse Energy Economics for Sun2o.

Takahashi, K., A. S. Hopkins, E. Carlson, S. Schadler, S. Chavin. 2024. *Memo: Assessment of Electric Grid Headroom for Accommodating Building Electrification (Revised July 2024)*. Synapse Energy Economics to New Yorkers for Clean Power.

S. Schadler, T. Hsieh. 2022. *Map of Colgate Landholdings 8/4/22*. Colgate University Department of Geography. Map accessible on ESRI's ArcGIS Online.

S. Schadler. 2022. *User's Guide for Colgate Landholdings Map*. Colgate University Department of Geography. Map accessible on ESRI's ArcGIS Online.

Resume updated September 2024

