

Sophie Schadler, Associate

Synapse Energy Economics | 485 Massachusetts Avenue, Suite 3 | Cambridge, MA 02139
sschadler@synapse-energy.com

PROFESSIONAL EXPERIENCE

Synapse Energy Economics, Inc., Cambridge, MA. *Associate*, April 2026 – Present; *Research Associate II*, Oct. 2024 – April 2026; *Research Associate*, Sept. 2023–Oct. 2024.

- Performs quantitative and qualitative research and analysis on gas-sector issues including building electrification, long-term planning, and load forecasting.
- Assists in testimony development focused on non-pipeline alternatives, load forecasting, and new customer connection policies in future of gas proceedings and gas rate cases.
- Supports modeling of the impacts of utility investments on gas rates and the impacts of electrification on load.

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*, Jan. 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*, Jan. 2023–May 2023 and *Mapping Colgate’s landholdings with GIS*, Jun. 2022–Aug. 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: Bachelor of Art in Environmental Geography, minor in Economics, 2023.

Areas of Focus: *Sustainable Development, Environmental Economics, and Human Geography.*

SKILLS

Microsoft Office Suite, ArcGIS, Python.

PUBLICATIONS

Knight, P., S. Kwok, E. Ashley, A. Glaser Schoff, S. Schadler, S. Sharaf, A. Zeng, A. Napoleon. "Making Energy More Affordable in New York." Presentation prepared for the Natural Resources Defense Council and the Evergreen Collaborative, March 2026.

Napoleon, A., S. deLeon, K. Takahashi, S. Schadler, D. Karabakal. 2025. *Analysis of National Grid's Long-Term Plan Addendum*. Synapse Energy Economics for Natural Resources Defense Council.

Napoleon, A., S. Schadler, E. Carlson, A. Hopkins, S. deLeon, S. Koester, D. Karabakal. 2025. *The Geospatial Tool Gas Utilities Need for Future Planning; Requirements and Next Steps for a Non-Pipeline Alternatives Analysis Tool*. Synapse Energy Economics for Natural Resources Defense Council.

Napoleon, A., S. Schadler. 2025. *New York Gas Utilities Digging Consumers into a Deeper Hole Factsheet*. Synapse Energy Economics for Natural Resources Defense Council.

Napoleon, A., S. Koester, S. Schadler, C. Mattioda. 2024. *Natural Resources Defense Council Comments on Staff Straw Proposal to Modify 16 NYCRR Part 230*. Synapse Energy Economics for Natural Resources Defense Council.

Napoleon, A., T. Nguyen, S. Schadler, S. deLeon, K. Takahashi. 2024. *Comments of Environmental Defense Fund, Natural Resources Defense Council, Sierra Club, Earthjustice, and Alliance for a Green Economy on Non-Pipes Alternative Framework Questions*. Synapse Energy Economics for Natural Resources Defense Council.

Shenstone-Harris, S., M. Whited, K. Takahashi, S. Schadler, A. Fuzaylov, I. Weiss. 2025. *How Will Future Electric Vehicle Adoption and Building Electrification Affect Electric Rates?* New Jersey Factsheet. Synapse Energy Economics for Natural Resources Defense Council.

Shenstone-Harris, S., M. Whited, K. Takahashi, S. Schadler, A. Fuzaylov, I. Weiss. 2025. *How Will Future Electric Vehicle Adoption and Building Electrification Affect Electric Rates?* New Mexico Factsheet. Synapse Energy Economics for Natural Resources Defense Council.

Hopkins, A. S., A. Napoleon, S. Schadler, T. Gyalmo. 2024. *The High Cost of New Jersey Gas Utilities' Leak Prone Pipe Replacement Programs 2024*. Synapse Energy Economics for Natural Resources Defense Council.

Takahashi, K., C. Lane, M. Whited, S. Schadler, T. Gyalmo, A. Zeng, A. S. Hopkins. 2024. *Charging Minnesota's Electric Vehicles; Strategies that Work for the Electric Grid and Consumers*. Synapse Energy Economics for Minnesota Department of Commerce, Division of Energy Resources.

Yuang, C., M. Whited, T. Nguyen, S. Schadler, R. Anderson, W. Dejeanlouis, C. Palmer, C. Mattioda, A. Glaser Schoff, S. Koester, J. Hittinger, P. Eash-Gates. 2024. *Utility Engagement Playbook for Industrial Customers: Addressing Power Sector Barriers to Electrification*. Synapse Energy Economics and World Wildlife Fund for Renewable Thermal Collaborative.

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.

TESTIMONY ASSISTANCE

Colorado Public Utilities Commission (No. 25A-0044EG): Direct Testimony of Kenji Takahashi in the matter of the application of Public Service Company of Colorado for approval of the Mountain Energy Project and Associated Certificate of Public Convenience and Necessity (CPCN) for Supplemental Supply. June 5, 2025.

New York Public Service Commission (Case 25-G-0072 and Case 25-G-0073): Direct Testimony of Alice Napoleon in the matter of the Rates, Charges, Rules and Regulations of Consolidated Edison Company of New York, Inc. for Electric and Gas Service. On behalf of Natural Resources Defense Council. May 30, 2025.

Pennsylvania Public Utility Commission (Docket No. R-2025-3053112): Direct Testimony of Sol Deleon in the matter of the Application of Philadelphia Gas Work to increase its rates for the distribution of natural gas. Synapse Energy Economics for The Energy Justice Advocates. May 21, 2025.

Michigan Public Service Commission (Case No. U-21806): Direct Testimony of Sol Deleon in the matter of the Application of Consumers Energy Company for authority to increase its rates for the distribution of natural gas and for other relief. Synapse Energy Economics for Michigan Environmental Council and Sierra Club. April 23, 2025.

Michigan Public Service Commission (Case No. U-21806): Direct Testimony of Alice Napoleon in the matter of the Application of Consumers Energy Company for authority to increase its rates for the distribution of natural gas and for other relief. Synapse Energy Economics for Michigan Environmental Council and Sierra Club. April 23, 2025.

Connecticut Public Utilities Regulatory Authority (Docket No. 24-12-01): Direct Testimony of Asa Hopkins and Sol Deleon in the matter of the Application of Yankee Gas Services Company D/B/A Eversource Energy to amend its rate schedules. Synapse Energy Economics for the Connecticut Office of Consumer Counsel. March 13, 2025.

Michigan Public Service Commission (Case No. U-21291): Direct Testimony of Alice Napoleon in the matter of the Application of DTE Gas Company for authority to increase its rates, amend its rate schedules, and rules governing the distribution and supply of natural gas, and for miscellaneous accounting authority. Synapse Energy Economics for Michigan Environmental Council, Natural Resources Defense Council, and Sierra Club. May 7, 2024.

New York Public Service Commission (Case 23-G-0627): Direct Testimony of Alice Napoleon in the Matter of the Rates, Charges, Rules and Regulations of National Fuel Gas Distribution Corporation. On behalf of Natural Resources Defense Council. March 1, 2024.

Resume updated March 2026