

Elise Ashley, Associate

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PROFESSIONAL EXPERIENCE

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

- Provides research and consulting services on various energy-sector issues, including energy storage and energy efficiency policy, program design, and performance
- Supports the development of Excel-based modeling tools to analyze the energy and emissions impacts of distributed energy resources
- Supports the development of comments and research on distributed energy resource plans

The Possible Zone, Boston, MA. *Manager of Development Operations*, January – July 2023; *Development Coordinator*, March – December 2022.

- Provided thought partnership and quality assurance on organization-wide structural and strategic planning, and supporting the finalization of the organization's 4-Year Strategic Plan
- Developed a first-ever database structure for managing community partnerships data across departments
- Managed all Salesforce Administration activities, optimizing the use of Salesforce to ensure it best supported fundraising activities, and designing and documenting procedures for ensuring consistent, high-quality data management practices
- Led the improvement of cross-departmental data health and gift management processes, to increase departmental efficiency and staff capacity to achieve 2023 fundraising goals

Opinion Dynamics, Waltham, MA. *Senior Consultant, Engineering*, January – October 2022; *Consultant, Engineering*, July 2019 – December 2021.

- Completed evaluation, measurement, and verification (EM&V) of residential and commercial utility energy efficiency programs (HVAC, lighting, DHW, weatherization, appliances, efficient products income-qualifying, SBDI) across the United States
- Consulted on energy efficiency program participant survey questions and conducted follow-up survey phone calls
- Developed a lifecycle cost analysis tool to estimate non-energy benefits of standard versus energy efficient equipment.
- Collaborated in the development of a data collection instrument and research methods to support the evaluation of a virtual inspection process instituted in response to Covid-19
- Led the development of a data collection instrument to assess California statewide building compliance to the California Title 24 Part 6 Building Energy Efficiency Codes
- Recommended, reviewed, and drafted Technical Reference Manual (TRM) updates

Sustainability Exchange, Washington University in St. Louis, St. Louis, MO. *Intern*, January – May 2019.

- Worked in a student team to conduct an energy potential study of all municipal buildings in St. Louis, MO and propose an action plan to reduce energy consumption.

Renewable Energy Student Engagement Team (RESET), Washington University in St. Louis, St. Louis, MO. *Intern*, November 2018 – May 2019.

- Researched solar energy policy and incentives for a student-led solar panel installation project proposal at Washington University in St. Louis.

EDUCATION

Washington University in St. Louis, St. Louis, MO

Bachelor of Science in Mechanical Engineering, with a minor in Psychology, 2019.

Graduated Cum Laude and with Dean's List Honors

University of Auckland, Auckland, New Zealand

Completed coursework in Thermodynamics, Thermofluids & Fluid Mechanics, and Environment & Society, 2017.

PUBLICATIONS

Kallay, J., A. Napoleon, E. Ashley, K. Takahashi, T. Woolf. 2024. *Review of New Brunswick Power's 2024/25 to 2026/27 DSM Program Initiatives Update*. Synapse Energy Economics for the New Brunswick Energy and Utilities Board Staff.

SKILLS

- **Modeling tools and software:** Microsoft Office Suite, Excel, Salesforce Administration, MATLAB, Java, ComStock, ResStock, AVoided Emissions and geneRation Tool (AVERT)

Resume updated February 2025