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# Alice Napoleon

Associate

**Synapse Energy Economics, Inc.**  
22 Pearl Street, Cambridge, MA 02139  
(617) 661-3248 ext. 241 • fax: (617) 661-0599  
[www.synapse-energy.com](http://www.synapse-energy.com)  
[anapoleon@synapse-energy.com](mailto:anapoleon@synapse-energy.com)

## PROFESSIONAL EXPERIENCE

**Synapse Energy Economics, Inc.**, Cambridge, MA. Associate, July 2008 – present; Research Associate, April 2005-July 2008.

Facilitate and provide expert analysis for Colorado, South Carolina, and Maryland residential, commercial, and industrial working groups to recommend, develop, and quantify costs and benefits of possible state actions to reduce greenhouse gas emissions. Research emissions and sources of fine particulate matter in New York City, focusing on area-source data methodology, point-source fuel use, active control measures for point sources, and potential mitigation strategies to reduce ambient concentrations. Research and integrate data on secondary-source emissions. Monitor and analyze emissions allowance market data, models, and projections; economic and policy developments that impact these markets; and state- and federal-level legislative and regulatory constraints on fossil-fired power plant siting and operations. Review and report on case history and FERC rulings on market power tests and reliability compensation. Survey regional, state, and utility policies and practices in power procurement evaluation, risk management, and fuel diversity policies.

**Resource Insight, Inc.**, Arlington, MA. Research Assistant, 2003-2005.

Responsible for conducting research and analysis on electric, gas, steam, and water resource issues. Conducted discounted cash flow analysis for asset valuation; developed market-price benchmarks for analysis of power-supply bids using market and regulated prices for energy, capacity, ancillary services, transmission, and ISO services and adjusting for load shape, assignment of transmission rights, and losses. Prepared discovery responses, formal objections, comments, and testimony; collaboratively wrote and edited reports; created and formatted exhibits. Participated in drafting an Energy Plan for New York City. Edited solicitation for competitive power supply to serve aggregated municipal load.

**University of Massachusetts**, Amherst, MA. Teaching Assistant, 2001- 2002.

Developed and taught lessons on applied math to a diverse group of incoming graduates; tutored students in microeconomic theory and cost benefit analysis; graded weekly problem sets and memoranda.

**International Council for Local Environmental Initiatives**, Berkeley, CA. Cities for Climate Protection Intern for the City of Northampton, MA, 2001.

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Compiled primary and secondary source data on energy consumption and solid waste generation by the municipal government, city residents, and businesses; applied emissions coefficients to calculate total greenhouse gas (GHG) emissions; identified current and planned municipal policies that impact GHG emissions; researched the predicted effects of global warming locally; gathered public feedback to provide acceptable and proactive policy alternatives.

Composed a GHG emissions inventory describing research findings; wrote and distributed a policy report and press releases; gave newspaper and radio interviews; addressed public officials and the public during a televised meeting.

**University of Massachusetts**, Amherst, MA. Research Assistant, 2000-2001.

Located federal data sources, identified changes, and updated a research database to evaluate the Habitat Conservation Program; proofread articles and white papers; composed a literature review on land use modeling. Collaboratively administered, tested, and proposed interface enhancements for a web-based data warehouse of regional habitat change research; formally presented the system to an independent research group.

**Court Square Data Group, Inc.**, Springfield, MA. Administration Manager, 1998-2000.

Analyzed profitability and diversity of income sources; managed cash flow, expense, and income data; created budgets; devised and implemented procedures to increase administrative efficiency; implemented new accounting system with minimal disruption to workflow.

Project Administrator, 1996-1998.

Coordinated implementation of software features; identified opportunities for future development; monitored problem resolution; wrote and coordinated production of a user's manual and questionnaires; edited technical proposals and a business plan; researched advertising options.

## **EDUCATION**

University of Massachusetts, Master of Public Administration, 2002

Rutgers University, BA in Economics, New Brunswick, NJ, 1995

Syracuse University, Syracuse, NY, 1994

Resume dated February 2008.