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**Alice Napoleon**  
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## **PROFESSIONAL EXPERIENCE**

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

- Facilitate working groups to recommend and develop possible state actions to reduce greenhouse gas emissions in Colorado, South Carolina, and Maryland.
- Provide quantitative and qualitative expert analysis, including cost/benefit analysis, in support of demand side resources policy working groups and a utility consumer advocate.
- Research historical emissions of criteria pollutants, hazardous air pollutants, greenhouse gases, coal combustion wastes, and other pollutants. Analyze regulations thereof and monitor policy developments. Research and develop potential state and local emissions mitigation strategies, such as for reducing ambient fine particulates in New York City.
- Monitor and analyze electricity, coal, and emissions allowance market data, models, and projections, as well as economic and policy developments that impact these markets.
- Research costs of renewable resources, cooling technologies, and emissions controls.
- Conduct surveys of regional, state, and utility policies and practices in ratemaking for energy efficiency, power procurement, risk management, and fuel diversity policies.
- Research federal, regional, and state case histories on power plant siting and operations, power supply procurement, renewable portfolio standards, integrated resource planning, market power, and reliability compensation.
- Write and edit reports, expert testimony, and discovery questions and responses.

**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.

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**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.

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.

## **EDUCATION**

University of Massachusetts, Master of Public Administration, 2002

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

Syracuse University, Syracuse, NY, 1994

## **PUBLICATIONS**

*Beyond Business as Usual: Investigating a Future without Coal and Nuclear Power in the U.S.*, prepared for the Civil Society Institute by Keith G., Biewald B., Takahashi K., Napoleon A., Hughes N., Mancinelli L., and Brandt E, May 11, 2010.

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***Assessing the Multiple Benefits of Clean Energy: A Resource for States***, prepared for U.S. Environmental Protection Agency by U.S. Environmental Protection Agency with research and editorial support from Stratus Consulting, Synapse Energy Economics, Summit Blue, Energy and Environmental Economics, Inc., Demand Research LLC, Abt Associates, Inc., and ICF International, February 1, 2010.

***Economic Impacts of Restricting Mountaintop/Valley Fill Coal Mining in Central Appalachia***, prepared for Sierra Club, and Appalachian Center for the Economy and the Environment by Napoleon A., and Schlissel D., August 25, 2009.

***The Real Costs of Cleaning Up Nuclear Waste: A Full Cost Accounting of Cleanup Options for the West Valley Nuclear Waste Site***, prepared for Citizens' Environmental Coalition by Napoleon A., Fisher J.I., Steinhurst W., Wilson M., Ackerman F., and Resnikoff M., December 15, 2008.

***Quantifying and Controlling Fine Particulate Matter in New York City***, prepared for Coalition Helping Organize a Kleaner Environment, Natural Resources Defense Council (NRDC), and Reliant Energy by Napoleon A., Keith G., Komanoff C., Gutman D., Silva P., Schlissel D., Sommer A., Chen C., Roschelle A., Levy J., and Kinney P., August 28, 2007.

***Arkansas Electric Generation Fuel Diversity: Implementation of EPAct 2005 Amendments to PURPA Section 111 (d)***, prepared for Arkansas Public Service Commission Staff by Drunsic M., Napoleon A., Hausman E.D., and Horny J.R., July 20, 2007.

***LMP Electricity Markets: Market Operations, Market Power, and Value for Consumers***, prepared for American Public Power Association by Hausman E., Fagan R., White D., Takahashi K., and Napoleon A., February 5, 2007.

***Portfolio Management: Tools and Practices for Regulators***, prepared for National Association of Regulatory Utility Commissioners by Synapse Energy Economics, Inc., October 1, 2006.

***Energy in the Northern Forest Region: A Situation Analysis***, prepared for Northern Forest Center and The North Country Council by Steinhurst W., Napoleon A., and Takahashi K., May 1, 2006.

***Ensuring Delaware's Energy Future: A Response to Executive Order Number 82***, prepared for Delaware Public Service Commission Staff by the Delaware Cabinet Committee on Energy with technical assistance from Synapse Energy Economics and others, March 8, 2006.

***Mohave Alternatives and Complements Study: Assessment of Carbon Sequestration Feasibility and Markets***, a Sargent & Lundy and Synapse Energy Economics, Inc. report prepared for Southern California Edison by Sommer A., and Steinhurst W., February 2006.

Resume dated May 2011.