

Patricio Silva, Principal Associate

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PROFESSIONAL EXPERIENCE

Synapse Energy Economics, Inc., Cambridge, MA. *Principal Associate*, May 2022 – Present

- Examines adequacy and the economic impacts of proposed utility decarbonization and clean energy plans
- Evaluates environmental compliance assumptions used by utilities in major regulatory filings in decarbonization and environmental compliance proceedings
- Assesses impacts of proposed and existing state and federal environmental regulations on the electric and natural gas sectors

ISO New England, Holyoke, MA. *Senior Analyst*, 2011 – 2022

Responsible for evaluating state and federal air, water, climate, renewable and energy efficiency regulations and legislation for their potential impacts on the reliability of the existing and future New England electric generation and transmission capacity.

- Managed stakeholder Environmental Advisory Group interacting with ISO New England, reporting studies and developments of the environmental performance of New England bulk power system.
- Developed and maintained external relationships with program staff regarding policy and regulatory matters at various state agencies across New England, the US Environmental Protection Agency, the Department of Energy, and the Federal Energy Regulatory Commission.
- Evaluated impact of Regional Greenhouse Gas Initiative and other state greenhouse gas reduction initiatives on existing and future New England electric generation and transmission capacity.
- Provided briefings to New England congressional delegation and state representatives.
- Developed and managed outreach for monthly survey of distribution utilities for interconnection of distributed generation, including solar photovoltaic and storage, interacting with state regulators and elected officials
- Managed development of interregional transmission reports, assisted with development annual regional planning reports and prepare analyses, presentation materials, and web content for external and internal audiences.

Massachusetts Department of Environmental Protection, Boston, MA. *Environmental Analyst*, 2009 – 2011

Provided technical and policy support on emissions monitoring and compliance matters affecting 45

electric generating units at 22 power plants across Massachusetts. Analyzed compliance filings, electronic reporting and observed stack testing, advising state and federal enforcement and permitting staff. Recommended enforcement actions and assisted facility compliance staff with implementation of various air pollution regulations.

- Administered the Massachusetts Ozone Nitrogen Oxide (NOx) allowance public benefit and new unit set aside programs, awarding renewable and energy efficiency projects emission allowance awards after evaluating candidate projects.
- Oversaw implementation of Massachusetts mercury emissions reduction and monitoring requirements for coal-fired electric generating units. Provided technical assistance to other state and regional agencies in development and implementation of mercury emissions reduction and monitoring requirements for stationary sources.

Environmental Defense, Boston, MA. *Air Monitoring Project Manager*, 2004 – 2005

Conducted ambient air pollution sampling field studies of urban and rural locations impacted by diesel emissions, used resulting emissions data to support diesel emission pollution control retrofit projects. Evaluated and recommended pollution reduction technology options for heavy and light duty vehicles. Procured monitoring equipment and supervised staff, volunteers and consultants in ambient monitoring studies of diesel particulate matter emissions in urban and rural field studies in California and Massachusetts.

Natural Resources Defense Council, Washington, D.C. *Midwest Activities Coordinator*, 1999 – 2003

Responsible for formulating and executing ozone, mercury, and greenhouse gas emissions reduction strategies for state and national legislative and regulatory policy matters. Provided energy and environmental advocacy focusing on the Great Lakes Region on regional and international air pollution reduction strategies for stationary and mobile sources

- Coordinated research and advocacy on state and national stationary and mobile source emission reduction efforts involving the EPA, DOE and the FERC
- Prepared and delivered testimony before administrative and legislative agencies, state regulatory commissions, and Congress
- Prepared range of advocacy and communication materials, including analytical reports, web advocacy, opinion editorials
- Participated on collaborative projects including Keystone Center Dialogue on Natural Gas Infrastructure, Sustainable Energy Coalition, and National Wind Coordinating Committee.
- Responsible for all aspects of fundraising including initial solicitation, preparation of grant proposals, presentations to foundation staff, grant award reports.

Environmental Futures, INC., Boston, MA. *Assistant Project Manager*, 1997 – 1999

- Responsible for providing environmental regulatory compliance guidance to clients as part of management consulting group portfolio.
- Analyzed and advised clients on impacts of state and federal legislative and regulatory developments regarding electric utility restructuring and actions by EPA, the FERC, and National Energy Board of Canada
- Conducted due diligence assessments of potential environmental risks and liabilities for potential buyers, recommended mitigation strategies and estimated compliance costs
- Prepared presentations, testimony, speeches, press advisories, organized editorial board briefings and press events

Citizens for a Better Environment Milwaukee, WI. *Midwest Activities Coordinator*, 1995 – 1997

- Analyzed public health research, air pollution emissions trends, state and federal regulatory developments on air quality, electric utility restructuring, regional transportation policy, preparing reports, advocacy materials, testimony, and public comments.
- Organized workshops and town hall meetings for members and general public on impact of state and federal environmental and energy policies, helping identify opportunities for public input.

PUBLICATIONS

Silva, P., J. Smith. 2023. *Declaration in Support of Final EPA Good Neighbor Plan*. Synapse Energy Economics for Environmental Defense Fund.

Frost, J., J. Litynski, S. Chavin, P. Silva. 2023. *The Impact of Resource Inflexibility on Capacity Accreditation in New England*. Synapse Energy Economics for Sierra Club.

EDUCATION

University of Arizona College of Law, Tucson, AZ

J.D, 1993

Colby College, Waterville, ME

Bachelor of Arts in Government, 1984

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