

Avi Allison, Senior Associate

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PROFESSIONAL EXPERIENCE

Synapse Energy Economics, Inc., Cambridge, MA. *Senior Associate*, April 2018–present, *Associate*, September 2015–April 2018.

Provides consulting and researching services and writes reports and testimony on a wide range of issues related to the electric industry.

- Analyzes and comments on electric utility integrated resource plans, distribution system plans, and rate case filings
- Evaluates impacts of alternative rate designs on rooftop solar economics and electric vehicle charging behavior
- Conducts economic impact and cost-benefit analyses of energy and environmental policies
- Assists New England energy efficiency program administrators with participation in regional capacity market

EMI Consulting, Seattle, WA. *Intern*, Summer 2014.

Conducted research in support of energy efficiency program evaluations and energy policy planning projects for utility and governmental clients.

- Processed and analyzed data on energy consumption, energy bills, and client experience using Python, R, and SPSS scripts
- Wrote memoranda assessing the justification for governmental clean energy programs

Yale Center for Environmental Law & Policy, New Haven, CT. *Research Assistant*, 2013–2015.

Gathered, analyzed, and cleaned data used to create an international, comparative Environmental Performance Index. Wrote section on the relationship between wastewater treatment and greenhouse gas emissions in the 2014 EPI report.

Earthjustice, New York, NY. *Litigation Assistant*, 2011–2013.

Conducted research and analysis in support of public interest impact litigation focused on climate change mitigation and environmental health threat reduction. Areas of research included natural gas drilling developments, industrial agriculture runoff, and lead pollution.

Sightline Institute, Seattle, WA. *Research Intern*, Summer 2009.

Researched and analyzed the environmental effects of alternative types of zoning schemes.

EDUCATION

Yale University, New Haven, CT

Master of Environmental Management; Specialization in Energy, 2015

Columbia University, New York, NY

Bachelors of Arts in Economics; Concentrations in Sustainable Development and Latin American Studies, 2011, *Summa Cum Laude*

PUBLICATIONS

Allison, A., J. Hall, T. Vitolo. 2019. *An Updated Look at the Economics of the J.K. Spruce Power Plant*. Synapse Energy Economics for Sierra Club.

Allison, A., A. Napoleon, J. Kallay. 2019. *Maine Low-Income Home Energy Burden Study*. Synapse Energy Economics for the Maine Office of the Public Advocate.

Allison, A., R. Wilson, D. Glick, J. Frost. 2018. *Comments on South Africa 2018 Integrated Resource Plan*. Synapse Energy Economics for the Centre for Environmental Rights.

Allison, A., J. Hall, A. Napoleon, F. Ackerman. 2018. *Assessment of Macroeconomic Impacts from Federal SAFE Proposal*. Synapse Energy Economics for the California Department of Justice.

Whited, M., A. Allison, R. Wilson. 2018. *Driving Transportation Electrification Forward in New York: Considerations for Effective Transportation Electrification Rate Design*. Synapse Energy Economics on behalf of the Natural Resources Defense Council.

Allison, A. and M. Whited. 2018. "Electric Vehicles Still Not Crashing the Grid: Updates from California." Synapse Energy Economics for the Natural Resources Defense Council.

Allison, A. and J. Hall. 2018. *Macroeconomic Analysis of Clean Vehicle Scenarios for Colorado*. Synapse Energy Economics for Environmental Entrepreneurs.

Allison, A., J. Hall, F. Ackerman. 2018. *Cleaner Cars and Job Creation: Macroeconomic Impacts of Federal and State Vehicle Standards*. Synapse Energy Economics for Union of Concerned Scientists, Natural Resources Defense Council, and American Council for an Energy-Efficient Economy.

Allison, A., S. Fields, A. Horowitz. 2018. *Comments on Puget Sound Energy's 2017 Integrated Resource Plan*. Synapse Energy Economics for the Sierra Club.

Allison, A., J. Fisher, T. Vitolo. 2017. *Comments on Idaho Power Company's 2017 Integrated Resource Plan*. Synapse Energy Economics for the Sierra Club.

Allison, A., J. Fisher. 2017. *Comments on Arizona Public Service Company's 2017 Integrated Resource Plan*. Synapse Energy Economics for the Sierra Club.

Fisher, J., A. Allison. 2017. *Comments on Tucson Electric Power Company's 2017 Integrated Resource Plan*. Synapse Energy Economics for the Sierra Club.

Horowitz, A., A. Allison, N. Peluso, B. Fagan, M. Chang, D. Hurley, P. Peterson. 2017. *Comments on the United States Department of Energy's Proposed Grid Resiliency Pricing Rules (FERC Docket RM18-1-000)*. Prepared for Earthjustice.

Allison, A., T. Vitolo, J. Fisher. 2017. *The Shaky Economics of the J.K. Spruce Power Plant: Weighing the Costs of a Coal Plant Against Renewable Energy Options*. Prepared for Sierra Club.

Takahashi, K., A. Allison, D. White. 2017. *Renewable Heating and Cooling Policy Framework: Options to Advance Industry Growth and Markets in New York*. Prepared for the New York State Energy Research and Development Authority.

Knight, P., P. Luckow, B. Biewald, A. Horowitz, A. Allison, F. Ackerman. 2017. *New England's Shrinking Need for Natural Gas: An analysis of policy impacts on natural gas use in New England's electric sector*. Synapse Energy Economics for the Connecticut Fund for the Environment, Consumers for Sensible Energy, Mass Energy Consumers Alliance, Pipe Line Awareness Network for the Northeast, Sierra Club Connecticut, and Sierra Club Massachusetts.

Comings, T., A. Allison. 2017. *More Mileage for Your Money: Fuel Economy Increases While Vehicle Prices Remain Stable*. Synapse Energy Economics for Consumers Union.

Cook, R., J. Koo, N. Veilleux, K. Takahashi, E. Malone, T. Comings, A. Allison, F. Barclay, L. Beer. 2017. *Rhode Island Renewable Thermal Market Development Strategy*. Meister Consultants Group and Synapse Energy Economics for Rhode Island Office of Energy Resources.

Allison, A., M. Whited, T. Woolf. 2017. *Comments on Supplemental Distributed System Implementation Plans of New York's Investor-Owned Utilities*. Synapse Energy Economics for Natural Resources Defense Council, Pace Energy & Climate Center, Solar Energy Industries Association, and Vote Solar.

Allison, A., M. Whited, T. Woolf. 2016. *Comments on Initial Distributed System Implementation Plans of New York's Investor-Owned Utilities*. Synapse Energy Economics for Natural Resources Defense Council, Pace Energy & Climate Center, Solar Energy Industries Association, and Vote Solar.

Fisher, J., P. Luckow, A. Horowitz, T. Comings, A. Allison, E.A. Stanton, S. Jackson, K. Takahashi. 2016. *Michigan Compliance Assessment for the Clean Power Plan: MPSC/MDEQ EPA 111(d) Impact Analysis*. Prepared for Michigan Public Service Commission, Michigan Department of Environmental Quality, and Michigan Agency for Energy.

Stanton, E. A., P. Knight, P. Luckow, A. Allison, T. Vitolo. 2016. *Envisioning Pennsylvania's Energy Future: Powering the Commonwealth's Energy Needs with 100 Percent Renewables by 2050*. Synapse Energy Economics for Delaware Riverkeeper Network.

Comings, T., Allison, A., Ackerman, F. 2016. *Consumer Savings from 2025 Corporate Average Fuel Economy Standards (CAFE)*. Synapse Energy Economics for Consumers Union.

Stanton, E. A., P. Knight, A. Allison, T. Comings, A. Horowitz, W. Ong, N. R. Santen, K. Takahashi. 2016. *The RGGI Opportunity 2.0: RGGI as the Electric Sector Compliance Tool to Achieve 2030 State Climate Targets*. Synapse Energy Economics for Sierra Club, Pace Energy and Climate Center, and Chesapeake Climate Action Network.

Stanton, E. A., P. Knight, A. Allison, T. Comings, A. Horowitz, W. Ong, N. R. Santen, K. Takahashi. 2016. *The RGGI Opportunity: RGGI as the Electric Sector Compliance Tool to Achieve 2030 State Climate Targets*. Synapse Energy Economics for Sierra Club, Pace Energy and Climate Center, and Chesapeake Climate Action Network.

Horowitz, A., S. Jackson, A. Allison, E. A. Stanton. 2015. *Environmental Justice and the Clean Power Plan*. Synapse Energy Economics for The Energy Foundation.

Vitolo, T., M. Chang, T. Comings, A. Allison. 2015. *Economic Benefits of the Proposed Coolidge Solar I Solar Project*. Synapse Energy Economics for Coolidge Solar I, LLC.

Knight, P., A. Allison, E.A. Stanton. 2015. Preliminary Clean Power Plan Analysis for Kentucky. Synapse Energy Economics for Kentuckians for the Commonwealth.

Knight, P., A. Allison, W. Ong, N. R. Santen, E. A. Stanton. 2015. *Cutting Electric Bills with the Clean Power Plan*. Synapse Energy Economics.

TESTIMONY

Indiana Utility Regulatory Commission (Cause No. 45159): Direct and cross-answering testimony of Avi Allison regarding rate design, service structure, and depreciation proposals of Northern Indiana Public Service Company. On behalf of Sierra Club. February 13 and March 15, 2019.

Michigan Public Service Commission (Docket No. U-20069): Direct testimony of Avi Allison regarding DTE Electric Company's application for reconciliation of its 2017 Power Supply Cost Recovery Plan. On behalf of Michigan Environmental Council. December 21, 2018.

Michigan Public Service Commission (Docket No. U-20162): Direct testimony of Avi Allison regarding DTE Electric Company's 2018 rate case application. On behalf of Michigan Environmental Council, Natural Resources Defense Council, and Sierra Club. November 7, 2018.

Michigan Public Service Commission (Docket No. U-18403): Direct testimony of Avi Allison regarding DTE Electric Company's application for authority to implement 2018 Power Supply Cost Recovery Plan. On behalf of Michigan Environmental Council and Sierra Club. April 20, 2018.

Michigan Public Service Commission (Docket No. U-18419): Direct testimony of Avi Allison regarding DTE Electric Company's application for a Certificate of Necessity to construct a 1,100 MW natural gas combined cycle facility. On behalf of Michigan Environmental Council, Natural Resources Defense Council, and Sierra Club. January 12, 2018.

TESTIMONY ASSISTANCE

Wisconsin Public Service Commission (Docket 3270-CE-127): Direct testimony of Dr. Ariel Horowitz regarding Madison Gas & Electric Company's application to construct and operate a 66 MW wind generation facility in Howard County, Iowa. September 15, 2017.

California Public Utilities Commission (Application 17-01-020, 17-01-021, and 17-01-022): Joint opening testimony of Melissa Whited, Max Baumhefner, and Katherine Stainken on fast-charging infrastructure and rates; joint opening testimony of Melissa Whited, Max Baumhefner, and Joel Espino on medium- and heavy-duty and fleet charging infrastructure and commercial EV rates; joint opening testimony of Melissa Whited, Max Baumhefner, and Chris King on residential charging infrastructure and rates. Rebuttal testimony of Melissa Whited on public fast-charging rate design, commercial EV rate design, and residential EV rate design. On behalf of Natural Resources Defense Council, the Greenlining Institute, Plug In America, the Coalition of California Utility Employees, Sierra Club, and the Environmental Defense Fund. July 25, August 1, August 7, and September 5, 2017.

Utah Public Service Commission (Docket No. 14-035-114): Direct testimony of Melissa Whited regarding PacifiCorp's proposed rates for customers with distributed generation. On behalf of Utah Clean Energy. June 8, 2017.

Texas Public Utilities Commission (SOAH Docket No. 473-17-1764, PUC Docket No. 46449): Direct testimony of Rachel Wilson evaluating Southwestern Electric Power Company's application for authority to change rates to recover the costs of investments in pollution control equipment. On behalf of Sierra Club and Dr. Lawrence Brough. April 25, 2017.

Indiana Utility Regulatory Commission (Cause No. 44872): Direct testimony of Dr. Jeremy Fisher regarding Northern Indiana Public Service Company's application for a Certificate of Public Convenience and Necessity for environmental compliance projects at Schahfer units 14 & 15 and Michigan City unit 12. On behalf of Sierra Club. April 3, 2017.

Indiana Utility Regulatory Commission (Cause No. 44871): Direct testimony of Dr. Jeremy Fisher regarding Indiana Michigan Company's application for a Certificate of Public Convenience and Necessity to install Selective Catalytic Reduction at Rockport Power Plant Unit 2. On behalf of Citizens Action Coalition of Indiana, Sierra Club, and Valley Watch. February 3, 2017.