

Doug Hurley, Principal Associate

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PROFESSIONAL EXPERIENCE

Synapse Energy Economics Inc., Cambridge, MA. *Principal Associate*, October 2011 – present; *Associate* July 2008 – October 2011; *Research Associate*, April 2004 – July 2008.

More than a decade of ongoing assistance to our clients in navigating the complex labyrinth of RTO market rules, especially regarding the participation of energy efficiency, distributed generation, and battery storage in wholesale capacity markets. Analyze and report the benefits of demand resource participation in wholesale capacity markets. Serving in sixth year as the leader of NEPOOL's Alternative Resources sector. Maintain our End User and Alternative Resource Sector clients' interests at ISO-NE and PJM stakeholder meetings. Analyze economic dispatch models and prepare expert testimony for regulatory proceedings. Analyze economic and environmental implications of renewable portfolio standards and clean energy policy scenarios. Investigate electricity market price trends and fluctuations.

Massachusetts Institute of Technology, Cambridge, MA. *Consultant*, 2002 – 2003.

Redesigned and renovated database for applicant information and reporting for the Department of Economics.

Outward Bound, Thompson Island in Boston Harbor, MA. *Instructor*, 2001 – 2003.

Led both multi-week youth courses for Outward Bound and one-day adult courses for Outward Bound Professional. Youth courses focused on character development for teenage boys and girls. Adult courses focused on team building for departments and entire corporations with emphasis on effective communication, rapid consensus-building, and courageous leadership.

Logictier, Inc., San Mateo, CA. *West Coast Research & Development*, 2000 - 2001.

Led the West Coast R&D team of this startup web hosting company. Helped grow the fledgling company from 25 to 150 people, and the R&D group from a team of 2 to a department of 10.

Ernst & Young, Tyson's Corner, VA and Mountain View, CA. *Consultant*, 1992 - 1999.

Consulted to several Fortune 500 companies and public service organizations in various industries. Issues regarded information acquisition, network and application strategies, and database design, development, and deployment. Led teams of up to 10 people. Major clients included PSE&G of New Jersey, Public Service Company of Colorado, Coca Cola, Honda, Reebok, Lotus Development Corp., AmSouth Bank, Kaiser-Permanente, and OntarioHydro.

EDUCATION

Cornell University, Ithaca, NY

Bachelor of Science in Electrical Engineering, 1992

PUBLICATIONS

Knight, P., D. Goldberg, E. Malone, A. S. Hopkins, D. Hurley. 2018. *Getting SMART: Making sense of the Solar Massachusetts Renewable Target (SMART) program*. Prepared for Cape Light Compact.

Peterson, P., D. Hurley, P. Knight. 2018. *Understanding ISO New England's Operational Fuel Security Analysis*. Prepared for Conservation Law Foundation, Acadia Center, New Hampshire Office of the Consumer Advocate, PowerOptions, RENEW Northeast, Vermont Energy Investment Corporation.

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.

Stanton, E. A., P. Knight, J. Daniel, B. Fagan, D. Hurley, J. Kallay, E. Karaca, G. Keith, E. Malone, W. Ong, P. Peterson, L. Silvestrini, K. Takahashi, R. Wilson. 2015. *Massachusetts Low Gas Demand Analysis: Final Report*. Synapse Energy Economics for the Massachusetts Department of Energy Resources.

Hurley, D., P. Knight, J. Daniel, S. Fields. 2014. *Brayton Point Capacity Payment Requirement Analysis*. Synapse Energy Economics for Consumer Advocates of New England.

Daniel, J., S. Fields, and D. Hurley. 2014. *Memorandum Regarding an Updated Economic Analysis of Schiller Station Coal Units*. Synapse Energy Economics for the Conservation Law Foundation.

Knight, P., D. Hurley, S. Fields. 2014. *Energy Efficiency in US Capacity Markets*. Synapse Energy Economics.

Jackson, S., P. Peterson, D. Hurley, T. Woolf. 2013. *Forecasting Distributed Generation Resources in New England: Distributed Generation Must Be Properly Accounted for in Regional System Planning*. Synapse Energy Economics for E4 Group.

Hurley, D., P. Peterson, M. Whited. 2013. *Demand Response as a Power System Resource: Program Designs, Performance, and Lessons Learned in the United States*. Synapse Energy Economics for Regulatory Assistance Project.

Peterson, P., D. Hurley, S. Jackson, M. Schultz. 2012. *The Road to Better System Planning: ISO-New England's Revised Energy Efficiency Forecast*. Synapse Energy Economics for Connecticut Office of Consumer Counsel.

Hornby, R., D. Hurley, P. Knight. 2011. *A Review of Demand Response Potential in the United States*. Synapse Energy Economics for US Environmental Protection Agency.

White, D. E., D. Hurley, J. Fisher. 2011. *Economic Analysis of Schiller Station Coal Units*. Synapse Energy Economics for Conservation Law Foundation.

Peterson, P., V. Sabodash, M. Wittenstein, D. Hurley. 2011. *PJM System Planning: Enhancements for the 21st Century*. Synapse Energy Economics for Conservation Law Foundation.

Peterson, P., V. Sabodash, R. Wilson, D. Hurley. 2010 *Public Policy Impacts on Transmission Planning*. Synapse Energy Economics.

Peterson, P., D. Hurley, V. Sabodash. 2010. *Demand Response Potential in ISO New England's Day-Ahead Energy Market*. Synapse Energy Economics.

Peterson, P., D. Hurley, V. Sabodash. 2009. *Impact of PRD Participation in Day-Ahead Energy Market*. Synapse Energy Economics for NEPOOL Clients in Alternative Resources and End User Sectors.

Hurley, D., K. Takahashi, B. Biewald, J. Kallay, R. Maslowski. 2008. *Costs and Benefits of Electric Utility Energy Efficiency in Massachusetts*. Synapse Energy Economics.

Levine, S., D. Hurley, S. Kaplan. 2008. "Prime Time for Efficiency." *Public Utilities Fortnightly*, June 2008.

Peterson, P., D. Hurley, E.D. Hausman. 2008. *Incorporating Demand Resources in the PJM Reliability Pricing Model*. Synapse Energy Economics for Office of the Ohio Consumers' Counsel, Pennsylvania Office of Consumer Advocate, Office of the People's Counsel for the District of Columbia, EnerNOC, and Conservation Services Group.

Peterson, P., D. Hurley, D. White. 2007. *ISO New England Scenario Analysis Companion Report – Constructing a Future that Meets Regional Goals*. Synapse Energy Economics for Conservation Law Foundation and Northeast Energy Efficiency Partnerships.

Peterson, P., D. Hurley. 2006. *Options for State Funded Energy Efficiency Programs in the Forward Capacity Market*. Synapse Energy Economics.

Peterson, P., D. Hurley, T. Woolf, B. Biewald. 2006. *Incorporating Energy Efficiency into the ISO New England Forward Capacity Market: Ensuring the Capacity Market Properly Values Energy Efficiency Resources*. Synapse Energy Economics for Conservation Services Group.

Hurley, D. 2006 *Update on New England's Demand Response Programs*. Synapse Energy Economics.

PRESENTATIONS

Hurley, D. 2017. *Energy Efficiency in Wholesale Capacity Markets*. Presentation at the Alberta Energy Efficiency Conference, June 0, 2017.

Peterson, P., D. Hurley. 2007. "Demand Resources in the New England Forward Capacity Market." Synapse Energy Economics presentation at the ACEEE and CEE National Symposium on Market Transformation, March 2007.

TESTIMONY

Massachusetts Department of Public Utilities (Docket Nos. DPU 09-119, DPU 15-166): Oral testimony regarding the participation of the Cape Light Compact in New England's Forward Capacity Market as part of the submission of their 2010-2012 and 2016-2018 three-year energy efficiency plans.

New Hampshire Public Utilities Commission (Docket No. DE 10-261): Testimony regarding Public Service Company of New Hampshire's 2010 Least Cost Integrated Resource Plan. On behalf of Conservation Law Foundation. July 2011.

New Hampshire Public Utilities Commission (Docket No. DE 10-261): Expert report filed by Doug Hurley (White, D., D. Hurley, J. Fisher. 2012. *Economic Analysis of Schiller Station Coal Units*. Synapse Energy Economics for Conservation Law Foundation). On behalf of Conservation Law Foundation. July 2011.

Federal Energy Regulatory Commission (Docket No. ER10-2477-000): Testimony regarding ISO-New England Reliability Studies and Salem Harbor. On behalf of Conservation Law Foundation. October 2010.

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