

Energy Storage

Ryn Hamilton Consulting has helped clients develop and implement energy storage pilot studies, evaluate options for storage resources in ISO/RT0 ancillary services markets and develop distributed energy resources to support local distribution networks.

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[Energy Storage and Integration – Use Cases and Value Streams](#)

Panels and Presentations

Grid Modernization Forum 2017. Moderator for session, “Energy Storage and the Integration of Renewables and Distributed Energy Resources”. March 2017.

Union of Concerned Scientists. Moderator for session on ISO/RT0 perspective, including role frequency regulation and reserves markets, “Workshop on Smart Electric Vehicle Charging”. June 2016.

Grid Modernization Forum 2016. Overall Conference Chairperson. Moderator for session, “Policy and Regulatory Change for Advancing the Smart Grid”. Co-author of presentation, “How Evolving State Policies are Fostering New Technology Investment for Control of Distribution System Loads and Advancing Grid Modernization”. January 2016.

ACEEE National Symposium on Market Transformation 2016. Co-author, “Market Transformation and the Distribution System Grid”. March 2016.

Internet of Energy, Virtual Summit, Smart Grid Observer. Author, “Renewable-Centric Grid of the Future”. July 2016.

Peak Load Management Alliance. Presented a paper, “Ancillary Services Market Opportunities”. 2014.

ACI New Generation Demand Response and Ancillary Services conference. Co-led workshop, “New Generation of Demand Response; Faster Response with Targeted Load Control – Utility Interface Business Models”. Additionally, presented a paper, “Demand Response and Ancillary Services Opportunities for Electric Vehicle Charging Stations”. 2014.

National Summit on Smart Grid and Climate Change. Assisted in Communications Workshop, “Leveraging Tools to Talk about Smart Grid and Climate Change”. 2014.

Recent Projects

Participated in development of scopes of work for eight pilot programs for a Massachusetts utility that include three battery storage projects, two thermal energy storage, two demand response and software & controls.

Prepared a set of technical briefs on batteries and thermal storage technologies.

Assisted a utility company in analysis of potential distributed energy resources for distribution system management.

Provided an independent assessment of the technical capabilities of an interactive energy management system to manage loads and provide ancillary services for a utility.

Assessed the ability of plug-in vehicle charging stations to provide grid ancillary services for a product manufacturer.

Assessed the financial and technical potential for an asset management for a major distributed energy provider to sustain market growth.

Analyzed the implications of ISO New England's new energy and reserves market opening in June 2018 on distributed resources.

ISO-New England Forward Capacity Market Certification. Experience in resource qualification, critical path monitoring, reconfiguration auctions, bilateral contracting, resource registration, performance testing and settlement. Member of the ISO-NE Demand Response Working Group.