

 **Ben Carron**

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.
Managing Consultant

New York, NY

Mr. Carron joined E3 in October 2019. His work focuses on wholesale market design at the Federal Energy Regulatory Commission and for National Grid US at the NY Independent System Operator (NYISO) and Independent System Operator of New England (ISO-NE). He has worked on how markets will need to evolve as the grid transform and renewable and energy storage resources make up the capacity mix. He has extensive experience on the types of ancillary services and market products needed to accommodate this transition efficiently. He also has worked on how the transmission planning and cost allocation processes will need to be revised to efficiently plan for policy driven resources that are coming online in NY and NE.

Mr. Carron joined E3 from utility National Grid, where he led wholesale market regulatory strategy in NYISO and ISO-NE, focusing on the integration of new technologies into the wholesale markets. Mr. Carron also worked for National Grid Ventures, where he embedded at Sunrun for a year, helping their new products team structure and propose programs that would enable their residential solar + storage product to provide grid services value to utilities and wholesale markets. Before National Grid, Mr. Carron spent six years at the Federal Energy Regulatory Commission. He holds an M.P.P. in energy and technology policy from George Washington University and an M.A. in Eastern European history from the University of Wisconsin, Madison.

NATIONAL GRID VENTURES/SUNRUN

Lead Analyst, Commercial Strategy – Grid Services

San Francisco, CA
June 2018 – June 2019

- Identified opportunity and structured products to monetize grid services value of residential BTM solar + storage
- Completed RFP submissions for Virtual Power Plant, demonstration projects and non-wires alternative solicitations
- Developed qualification and bid strategy for participation in the ISO-NE Forward Capacity Market, resulting in the first 20 MW of residential BTM aggregation to ever clear an RTO capacity market
- Collaborated with utilities to develop innovative grid services programs to derive value from BTM energy storage, resulting utility program opportunities and VPP demonstration projects representing over \$25 million in revenue
- Provided support to policy group to identify opportunities and risks in state and RTO regulatory proceedings
- Expanded Sunrun Brightbox Grid Services delivery to five new markets in the Northeast U.S.

NATIONAL GRID

Lead Analyst, Regulatory Strategy and Integrated Analytics

New York, NY
November 2015 – June 2018

- Identified risks and opportunities presented by regulatory proceedings at FERC, ISO, and state levels
- Marketed proposals on wholesale market design and transmission planning to regulators and external parties
- Successfully defended National Grid interests in O.1000 competitive solicitations
- Oversaw company regulatory strategy for energy storage and DSP grid modernization efforts
- Led National Grid's efforts in the NYISO/NYDPS carbon pricing proceeding
- Oversaw strategic analysis of DSP opportunities, risks, and technical requirements for executive review
- Scoped demonstration projects to develop capabilities related to NWAs, DSP, and microgrids

E&C CONSULTANTS

Senior Energy Procurement Consultant

New York, NY

June 2014 – September 2015

- Newly formed U.S. office of E&C, a Belgium-based energy procurement consultancy serving industrial companies
- Developed customized risk management strategies to manage energy usage and expenditures for senior officers of multi-national industrial companies on energy portfolio risk management

FEDERAL ENERGY REGULATORY COMMISSION

Energy Industry Analyst

Washington, DC

May 2009 – June 2014

- Prepared Commission Orders in the Office of Energy Market Rates (OEMR)
- Specialized in wholesale market design, transmission planning, and interconnection processes
- Delivered orders on demand response, intermittent, and stored energy resources participation models
- Contributed to the preparation and rollout of the Order 1000 planning process in MISO

Education

George Washington University
M.P.P, Energy and Technology Policy

Washington, DC
2010

University of Wisconsin, Madison
B.A., Eastern European History

Madison, WI
2007

Citizenship

United States