



EBC Energy Resources Webinar Electrification – Is the Grid Ready?

Tuesday, January 25, 2022

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Program Chairs

Richard Brooks, Co-Founder and Lead Software Engineer, Reliable Energy Analytics LLC

Tom Rooney, Vice President, Advanced Energy Services, TRC

Kevin Sullivan, Vice President, Fuss & O'Neill, Inc.

AGENDA

9:00 a.m. **Welcome:** Marc Bergeron, PWS, CWS, Chair, EBC Energy Resources Committee
Principal, Epsilon Associates

Program Introduction

- Tom Rooney, Program Co-Chair
Vice President, Advanced Energy Services, TRC

9:20 a.m. Transformation to Resilient: The Massport Experience

- Peter DeBruin, Climate Mitigation & Resiliency Program Manager,
Massachusetts Port Authority (Massport)

9:40 a.m. RIPTA Battery Electric Buses – Lessons Learned and Opportunities for Growth

- Greg Nordin, Chief of Strategic Advancement,
Rhode Island Public Transit Authority

10:00 a.m. Municipal Light Plants – How Public Power is Approaching Decarbonization Targets

- Noel Chambers, Director of Energy Efficiency and Electrification,
Energy New England

10:20 a.m. Networking Opportunity

10:35 a.m. Break

10:40 a.m. ISO New England’s Long-Range Heating and Transportation Electrification Forecasts

- Victoria Rojo, Senior Data Scientist, ISO New England

11:00 a.m. Port Electrification Ecosystem: Impact of Electrifying Freight Supply Chains

- Rick Fioravanti, Director, Transportation Electrification, Quanta Technology

11:20 a.m. Moderated Discussion

Moderator: Brenda Enos, Director of Transportation Electrification, TRC

Panel Members:

- Peter DeBruin, MassPort
- Greg Nordin, RIPTA
- Noel Chambers, Energy New England
- Victoria Rojo, ISO New England
- Rick Fioravanti, Quanta Technology

12:00 p.m. Adjourn

PROGRAM CHAIRS

Richard Brooks, Co-Founder and Lead Software Engineer
Reliable Energy Analytics LLC
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Dick joined ISO New England as Enterprise Architect in 2004 working under Eugene Litvinov. He was the software architect for ISO-NE's Forward Capacity Market clearing engine in 2009. He took an early retirement in 2018 to Co-Found Reliable Energy Analytics, LLC with his wife, Joanne, where they have developed a commercial cybersecurity software solution called SAG-PM™ to proactively detect software supply chain risk. He has worked on energy industry standards in NAESB since 1995 and served as Vice Chair of the Wholesale Electric Quadrant (WEQ) Executive Committee from 2020-2021 and is currently Vice Chairman of the IEEE Springfield Section.

Tom Rooney, Vice President, Advanced Energy Services
TRC
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Mr. Rooney has more than 30 years of experience in the energy industry with a primary focus on designing, implementing, and evaluating energy efficiency programs. As Vice President in TRC's Advanced Energy group, he provides senior-level oversight of TRC's suite of residential and commercial / industrial energy efficiency, distributed energy and renewable energy programs throughout the U.S. Mr. Rooney is a member of the EBC Energy Resource Committee and serves on the Board of Clean Energy NH.

Kevin Sullivan, PE, Vice President
Fuss & O'Neill, Inc.
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Kevin is a Vice President and Regional Office Manager of Fuss & O'Neill's Quincy and Boston offices. He is a licensed electrical engineer with over 25 years' experience. Throughout his career he has managed a wide variety of successful multidiscipline projects. Kevin has a strong interest and special expertise in energy conservation and the application of alternative energy systems for variety of projects, including solar PV, battery storage and recently several electric vehicle projects. Kevin is a member of the EBC Energy Resource Committee.

PANEL MODERATOR

Brenda Enos, Principal
TRC
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Brenda Enos is a Principal with TRC Companies. She has extensive experience in managing environmental permitting, environmental compliance, and environmental management systems.

Prior to joining TRC, Enos worked for the Massachusetts Port Authority (Massport). While at Massport she was assistant director of capital programs and environmental management which included developing, launching, and implementing Massport's Resiliency Program. Additionally, she initiated the development of Massport's Disaster Infrastructure Resiliency Planning Study, one of the first of its kind in the aviation industry. Enos was the Vice President of Environmental Management Systems for the Rhode Island Airport Corporation before joining Massport.

Enos is a Certified Hazardous Materials Manager and a Registered Environmental Manager. She received her MBA from Bryant University and her BA in Chemistry from Hiram College.

SPEAKERS

Noel Chambers, Director of Energy Efficiency and Electrification
Energy New England
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Noel Chambers is the Director of Energy Efficiency and Electrification for Energy New England. In this role, he is responsible for the design, development, and implementation of energy efficiency, electrification, electric vehicle, and distributed energy resource programs for more than two dozen municipal light plants across the Northeast. Prior to his role at Energy New England, he was a supervisor of energy efficiency at Eversource Energy where he was responsible for strategic initiatives and workforce development activities which were leveraged to help meet the ever-increasing statewide energy efficiency goals.

Noel is serving a 2-year term as Chair of the Northwest Energy Efficiency Council's (NEEC) Certification Advisory Commission helping to identify and address opportunities to achieve NEEC's goals of certifying more individuals as Certified Building Operators. He has been certified by the Department of Energy as a Qualified Steam System Specialist, and by the Association of Energy Engineers as: Certified Energy Manager; Certified Demand Side Manager; and Certified Measurement and Verification Professional.

Peter DeBruin, Climate Mitigation & Resiliency Program Manager
Massachusetts Port Authority (Massport)
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Peter DeBruin is the Climate Mitigation & Resiliency Program Manager for the Massachusetts Port Authority. He is responsible for Massport's climate adaptation strategy, and developing programs that reduce the impact of Massport's operations on the environment. Prior to joining Massport, Peter was a Vice President and the Global Program Manager for State Street Corporation's Global Office of Environmental Sustainability, focused on greenhouse gas reduction efforts, renewable energy and carbon offsetting strategy. Peter has a Bachelor's degree in Business from the University of Maine at Orono, and a Masters in Business Administration from Michigan State University.

Rick Fioravanti, Director, Transportation Electrification
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Mr. Fioravanti brings over 25 years of experience working with emerging energy technologies in both commercial and consulting roles. He has worked with major manufacturers, utilities, state/federal agencies, and developers to understand and deploy advanced energy systems. He currently focuses his efforts on electric transportation, EV infrastructure, electricity storage, and distributed energy resources - evaluating electricity grid impacts and linking the technologies to grid modernization, utility of the future initiatives. In his roles, he helped develop and deploy utility-scale and residential storage systems, advanced microturbines, fuel cells, and CHP systems.

Mr. Fioravanti brings over 25 years of experience working with emerging energy technologies in both commercial and consulting roles. He has authored several papers on advanced storage technologies and has been cited frequently as a leader in his field. Mr. Fioravanti also was a founding Board Member of New York BEST (Battery and Energy Storage Technology Consortium) and served on their Board for five years.

He received his M.B.A and a B.S. in Electrical Engineering from the University of Southern California.

Greg Nordin, Chief of Strategic Advancement
Rhode Island Public Transit Authority
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Greg Nordin is the Chief of Strategic Advancement at the Rhode Island Public Transit Authority. Greg has been with RIPTA since 2011 and been heavily involved in RIPTA's capital program and service design. Greg currently oversees a team at RIPTA responsible for the development of Transit Forward RI 2040, the Downtown Transit Connector, and RIPTA's new Wave fare collection system. Greg obtained a Masters' Degree in Urban Planning from the University of Louisville in 2009 and previously worked at the Transit Authority of River City (Louisville, KY, 2008-2011). When not working, Greg enjoys cooking and hiking, but more often than not, you can find Greg in the aisles of Lowes looking for hardware related to the renovation of his home.

Victoria Rojo, Senior Data Scientist
Load Forecasting, System Planning
ISO New England
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Victoria is a Senior Data Scientist at ISO New England. She serves as the technical lead for the ISO's long-range load forecast and transportation electrification forecast. In her current role she conducts technical analysis and statistical modeling to understand long-range trends in regional electric consumption and leads stakeholder discussions regarding forecast development.

In her prior roles at the ISO, Victoria provided analytical support for the ISO's long-range solar forecast and short-term operations forecast, as well as for the qualification of generation and demand resources for the Forward Capacity Auction. She also led the annual development of the ISO's Energy Efficiency forecast, and served as a counselor on Massachusetts Energy Efficiency Advisory Council from 2017-2020 representing the Regional Electric Transmission Organization.

Prior to joining the ISO, she worked at S&P Global as a quantitative analyst modeling the supply and demand dynamics of the North American natural gas pipeline system. Victoria holds a B.S. in Physics from University of California, Irvine and an M.S. in Physics from SUNY Albany.