



## **EBC Energy Resources Program Renewable Thermal**

Friday, January 26, 2018

Brown Rudnick LLP | Boston, MA

### **AGENDA**

- 8:00 a.m. **Welcome: John Wadsworth, Chair, EBC Energy Resources Committee**  
Partner, Brown Rudnick LLP
- Introduction and Overview**
- **Dwayne Breger, Ph.D., Program Chair & Moderator**  
Director, UMass Clean Energy Extension
- 8:15 a.m. **State Policy/Programs Update**
- **Michael Judge, Director, Renewable & Alternative Energy Development, DOER**
  - **Peter McPhee, Program Director, Renewable Thermal, MassCEC**
- 9:00 a.m. **Technology Overviews, Applications, and Market Initiatives**
- **Lawrence Lessard, Director, Achieve Renewable Energy**
  - **Adam Sherman, Senior Consultant, Biomass Energy Resource Center**
  - **Neil Veilleux, Principal, Meister Consultants Group, A Cadmus Company**
- 10:00 a.m. **Networking Break**
- 10:30 a.m. **Advancing the Industry and Addressing Impacts on the Grid**
- **Helle Gronli, Coordinator, Renewable Thermal Alliance**  
Associate Research Scientist, Yale School of Forestry & Environmental Studies
  - **David Lis, Director of Technology & Market Solutions**  
Northeast Energy Efficiency Partnerships
- 11:15 a.m. **Moderated Speaker Discussion**
- Moderator: **Dwayne Breger, UMass Clean Energy Extension**
- 12:00 p.m. **Closing Remarks & Adjourn: John Wadsworth, Brown Rudnick LLP**

## PROGRAM CHAIR

**Dwayne Breger, Ph.D.**, Director, UMass Clean Energy Extension  
Extension Professor, Environmental Conservation  
UMass Amherst  
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Dwayne Breger is an Extension Professor in Environmental Conservation and Director of the Clean Energy Extension at the University of Massachusetts Amherst. The Clean Energy Extension is a new program to support the state goals to accelerate clean energy markets in Massachusetts through market outreach, technical assistance, and applied research. Prior to coming to UMass in 2015, Dwayne spent 13 years as the Director of Renewable Energy for the MA Department of Energy Resources. At DOER, he was responsible for implementing the state Renewable Portfolio Standard (RPS), developing the RPS solar carve-out and solar loan programs, advancing biomass energy policy, and served on the staff working group that designed the Regional Greenhouse Gas Initiative. Dwayne holds a B.S. in Engineering from Swarthmore College, an M.S. in Technology and Policy from M.I.T., and a Ph.D. in Resource Economics from UMass Amherst.

## SPEAKERS

**Helle Gronli**, Coordinator, Renewable Thermal Alliance  
Associate Research Scientist, Yale School of Forestry and Environmental Studies  
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Helle Gronli is a Research Associate affiliated with Yale Center for Business and the Environment (CBEY), which provides a focal point at Yale for research, education, and outreach to advance business solutions to global environmental problems. She is coordinating the Renewable Thermal Alliance, of which she was one of the founders, in parallel with her role as the principal investigator for feasibility studies on renewable thermal technologies in Connecticut. She has 6 years of experience managing a team in Norway that designed financial support strategies and programs to promote investments in energy efficiency in buildings, small and large scale renewable heating and cooling installations. Ms. Gronli's professional interests cover energy policy and "green" financing. Her work experience is international, from private as well as governmental organizations.

**Michael Judge**, Director, Renewable and Alternative Energy Development  
Massachusetts Department of Energy Resources  
100 Cambridge Street, Suite 1020, Boston, MA 02114  
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Michael Judge has served as the Director of the Renewable and Alternative Energy Division at the Department of Energy Resources (DOER) since October 2015. As Director, Michael manages the Division as it designs and implements renewable and alternative energy policy and programs for the Commonwealth. Before his appointment as Director, he served in various other roles at DOER, primarily related to the management of the state's RPS and solar programs. Prior to his time at DOER, he worked at the Massachusetts Clean Energy Center on the implementation and administration of its solar rebate programs. He is a graduate of UMass Amherst.

**Lawrence Lessard**, Director  
Achieve Renewable Energy, LLC  
The Enterprise Center, 121 Loring Avenue, Salem, MA 01970  
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Lawrence Lessard is the Director of Achieve Renewable Energy, LLC. In Salem, MA. He is a Professional Geologist with considerable experience in bedrock properties, geochemistry and computer simulations. Mr. Lessard received his undergraduate degree from Colgate University with High Honors in Geology in 1985 and completed his Master's Degree in Environmental Sciences at University of Virginia in 1989. Beginning in 2007, Mr. Lessard became involved in Ground-Source Heat Pump projects at a variety of property types. Achieve Renewable Energy, LLC. has become one of the largest GSHP design/installation firms in New England. Mr. Lessard also serves at Vice President of the New England Geothermal Professionals Association (NEGPA) where he is focused on the GSHP incentive programs in Massachusetts and other New England states.

**David Lis**, Director of Technology & Market Solutions  
Northeast Energy Efficiency Partnerships  
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Dave oversees NEEP's Technology & Market Solutions team, which is currently leading regional market transformation initiatives for Air-Source Heat Pumps (ASHP), Home Energy management Systems (HEMS), and Strategic Energy Management. In this capacity, Dave provides strategic direction for the teams' development, management and integration with other teams. Dave also serves as a member of NEEP's Senior Management Team. Dave first joined NEEP in 2006 and has held a variety of roles. Dave began his professional career as a high school math teacher in Boston. Prior to joining NEEP, Dave also spent two seasons living in Aspen, CO working at a small Inn. His undergraduate degree is in physics from Middlebury College.

**Peter McPhee**, Program Director, Renewable Thermal  
Massachusetts Clean Energy Center  
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Peter McPhee is the Director of Renewable Heating & Cooling at the Massachusetts Clean Energy Center (MassCEC), where he oversees the Commonwealth's programs to support the transition from traditional, fossil-based heating to renewable alternatives. Peter championed MassCEC's 5-year, \$30 million commitment to these technologies, which has supported over 8,000 projects to date. He has spent his career in energy, from optimizing utility efficiency programs to designing wind energy projects. He holds a BS from the University of Massachusetts and an MS from the Johns Hopkins University, both in mechanical engineering. Peter lives just outside of Boston with his wife and young son and enjoys traveling and spending time outdoors.

**Adam Sherman**, Senior Consultant  
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Adam Sherman is a Manager of the Biomass Energy Resource Center (BERC) housed at the Vermont Energy Investment Corporation (VEIC). Adam has more than 20 years of experience in the biomass energy industry, and has directed BERC's technology and biomass fuel supply activities for over twelve years. His work focuses on wood energy program design and delivery for various state and federal government agencies and technical consulting services for assessing wood fuels and energy project feasibility. Adam consults frequently for industries, businesses, and communities exploring the feasibility of biomass district heating throughout North America.

Adam is frequent speaker at national and international energy conferences and is widely recognized as an expert in the field of advanced wood heating. He serves on the Advisory Board for the Alliance of

Green Heat, as the Chairman of the Northeast Biomass Thermal Working Group (NEBTWG) and also serves on the Editorial Board of Biomass Magazine.

Prior to working for the Biomass Energy Resource Center, Sherman was the General Manager of a commercial composting operation in Burlington, Vermont for ten years. He received his Bachelor's degree from the University of Vermont.

Adam lives with his wife and two children in Richmond, Vermont where they heat their home with wood pellets and their children attend the local public school that is heated with woodchips.

**Neil Veilleux**, Principal

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Neil Veilleux is a Principal at Meister Consultants Group, A Cadmus Company, where he leads strategic planning, market analysis, policy development, and program implementation initiatives in the U.S. and internationally—with a special focus on renewable heating and cooling (RH&C) and strategic electrification markets. He currently works with technology manufacturers and city planners from cities including Boston, New York City, Boulder, Washington DC, and Burlington (VT) to scale up deployment of building electrification technologies. He also regularly works with state and regional agencies on RH&C policies and programs. Recent clients include the New York State Energy Research and Development Authority, Massachusetts Clean Energy Center, Northeast Energy Efficiency Partnerships (NEEP), and Rhode Island Office of Energy Resources, among others. Internationally, Mr. Veilleux led an analysis of next generation RH&C policies for the International Energy Agency and was lead author for a study on innovative solar water heating financing and business models for the United Nations Environment Program. Before joining MCG, Mr. Veilleux served as a Rappaport Public Policy Fellow at Harvard's Kennedy School of Government and a Fulbright scholar in Germany.

## UPCOMING EBC PROGRAMS

### FEBRUARY 2018

February 1 – Site Remediation and Redevelopment Program: Hot Issues in Remediation  
February 2 – Rhode Island Chapter Breakfast: Congressional Briefing with U.S. Senator Whitehouse  
February 6 – Briefing from NH Office of Strategic Initiatives & NH Dept. of Business and Economic Affairs  
February 9 – Innovative Technology Program: Drone Use in the Environmental and Energy Industry  
February 13 – Adaptation and Resiliency Programs in Rhode Island  
February 15 – Climate Change Program Series: Adaptation and Resiliency Programs of Electric Utilities  
February 27 – Site Redevelopment and Remediation Program: Evaluation and Closure of NAPL Sites  
February 28 – Rhode Island Program: Legislative Briefing on Energy and Environmental Initiatives

### MARCH 2018

March 1 – Solid Waste Program: Talking Trash in Southern New England  
March 2 – MS4 Update: MassDEP and NHDES Primacy  
March 8 – New Hampshire Energy Program: Utility Scale Solar and Storage  
March 14 – Evening Program with MassDEP Commissioner Martin Suuberg  
March 31 – Business Development Opportunities in the Energy & Environmental Industry

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