

Clean Energy Solutions Center and the Institute for Industrial Productivity (IIP)

Jumpstarting Combined Heat and
Power Initiatives in the United
States

November 20, 2013

Sean Esterly – Moderator

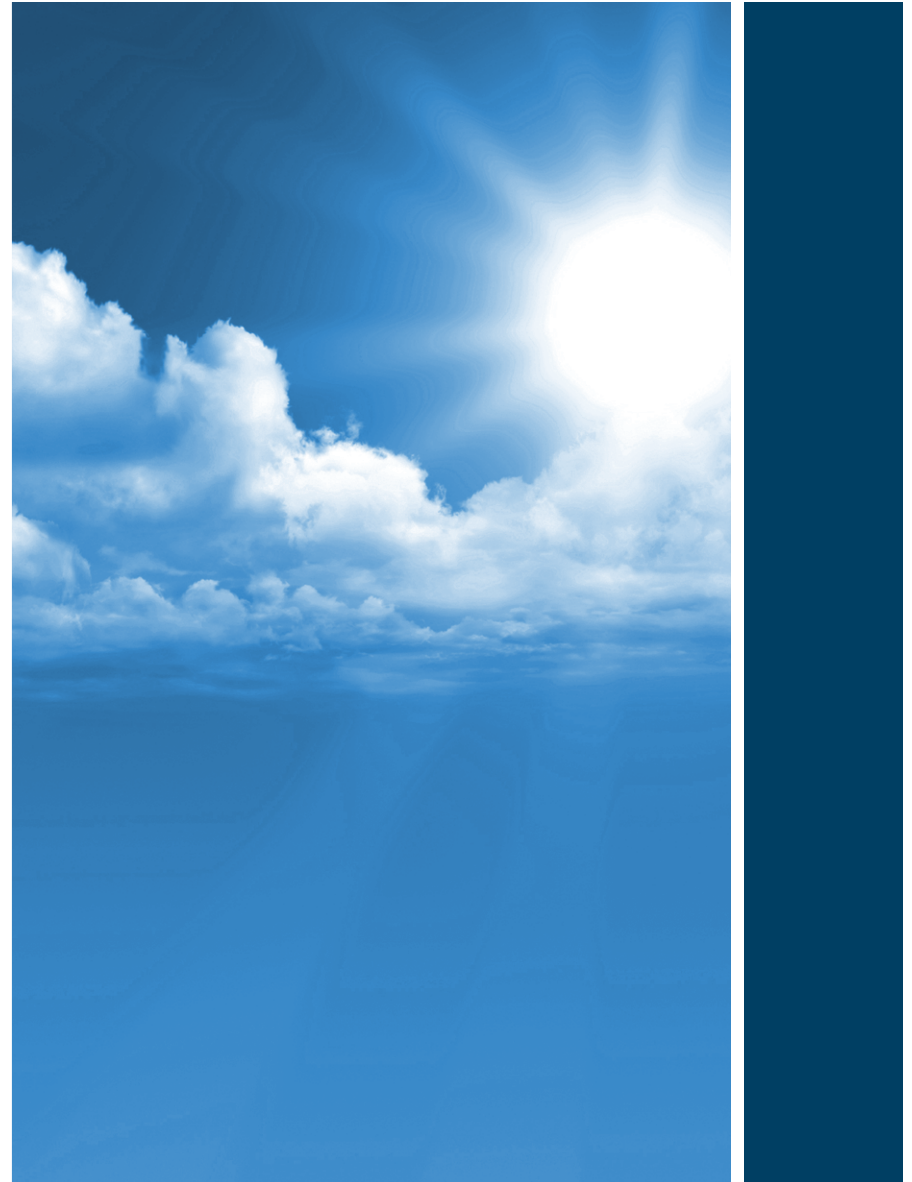
Panelists:

Bruce Hedman, Institute for Industrial Productivity

Katrina Pielli, US Department of Energy

Dwayne Breger, Massachusetts Department of Energy
Resources

Michael Worden, New York State Public Service
Commission



- *The Clean Energy Solutions Center does not endorse or recommend specific products or services. Information provided in this webinar is featured in the Solutions Center's resource library as one of many best practices resources reviewed and selected by technical experts*

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Some housekeeping Items (continued)

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Agenda

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- ✓ Welcome and Introductory Remarks
- ✓ Overview of the [Clean Energy Solutions Center](#)
 - **Sean Esterly**: National Renewable Energy Laboratory
- ✓ Presentations - Panelists:
 - **Bruce Hedman**, Institute for Industrial Productivity
 - **Dwayne Breger**, Massachusetts Department of Energy Resources
 - **Katrina Pielli**, US Department of Energy
 - **Michael Worden**, New York State Public Service Commission
- ✓ Q&A – Moderated by Bruce Hedman
- ✓ Closing Remarks
- ✓ Survey

Clean Energy Ministerial & UN Partnership Supporting the Solutions Center

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- Clean Energy Ministerial (CEM) launched the Clean Energy Solutions Center in April, 2011 for major economy countries
 - One of eleven CEM Initiatives
 - Led by Australia and U.S. with other CEM partners
- Partnership with UN-Energy is extending scope to support all developing countries
 - Enhance resources on policies relating to energy access, small to medium enterprises (SMEs), and financing programs
 - Offer expert policy assistance to all countries
 - Expand peer to peer learning and training



Clean Energy Solutions Center

<http://www.CleanEnergySolutions.org>

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Goals

- Serve as a first-stop clearinghouse of clean energy policy resources.
- Share policy best practices, data, and analysis tools across countries.
- Deliver dynamic services that will enable expert assistance, learning, and peer to peer sharing of experiences
- Foster dialogue on emerging policy issues and innovation across the globe.

Target Audiences

- Primary:
 - Energy policy makers and advisors
 - Analysts
- Secondary:
 - Private sector companies,
 - Energy entrepreneurs and investors
 - Non Governmental Organizations
 - Civil society
 - Others engaged in clean energy



Ask an Expert: Our Experts in Action

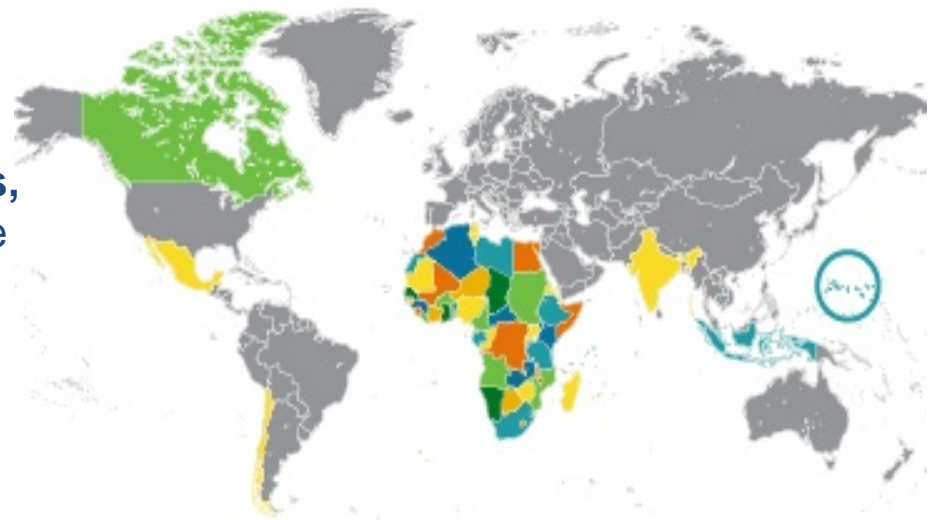
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We connect you to a global network of energy experts for personalized attention and quick response technical assistance on **strategies, regulations, standards, financial incentives, and deployment programs** for a broad range of clean energy sectors and technologies including:



- Energy Efficiency
- Smart Grid
- Renewable Energy
- Energy Access
- Transportation
- Utilities



Requesting Assistance:

Register on <http://cleanenergysolutions.org/expert>

How You Can Get Involved

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- Request expert assistance or tailored technical resources for your country
- Participate in webinars, training activities, and policy networks
- Offer advice and suggest resources to share
- Register for our newsletter



Bruce A. Hedman, Institute for Industrial Productivity

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Bruce A. Hedman has more than 30 years of experience in industrial energy technology research, development and commercialization, and is a recognized authority on combined heat and power (CHP) and distributed generation technologies, markets and policies. Bruce went to the Institute for Industrial Productivity from ICF International, where he led ICF's consulting services practice in distributed generation and CHP. As a vice president at ICF, he provided guidance and support to the U.S. Environmental Protection Agency's Combined Heat and Power Partnership and the U.S. Department of Energy's Distributed Energy program. He also provided technology assessments, market evaluations, and strategic planning support to numerous private developers and equipment suppliers. He has worked on a number of projects in China including assessments of waste heat to power systems in the cement industry and an analysis of the potential for CHP and other forms of distributed generation in select provinces.

Katrina Pielli, Senior Policy Advisor to the U.S. Department of Energy's Deputy Assistant Secretary for Energy Efficiency

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Katrina Pielli is a Senior Policy Advisor to the U.S. Department of Energy's Deputy Assistant Secretary for Energy Efficiency where she provides strategic input into the Department's energy efficiency program direction, focused on state, utility and industrial policy. She leads the DOE's implementation of the August 30, 2012 Industrial Energy Efficiency Executive Order, leads DOE's technical assistance effort on the U.S. Environmental Protection Agency's Boiler MACT (Maximum Achievable Control Technology) rule, provides strategic input into Administration and interagency discussions on manufacturing and energy efficiency policy, leads the Better Buildings Challenge Utility Ally effort, and is a staff lead for the State & Local Energy Efficiency Action Network Working Group focused on utility policy. She is the former DOE Advanced Manufacturing Office's Technical Assistance Acting Supervisor, as well as the former Deputy Associate Director for Energy & Climate at the White House Council on Environmental Quality.

Dwayne Breger, Director, Renewable and Alternative Energy Division, Massachusetts Department of Energy Resources

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Dwayne Breger is the Director of the Renewable and Alternative Energy Division at the Massachusetts Department of Energy Resources (DOER). His division is responsible for the implementation of the state's Renewable Energy Portfolio Standards, and policy and programs related specifically to solar, wind and biomass energy, combined heat and power, and alternative transportation. At DOER, Dwayne has led the development of the state's Solar Carve-Out program, analysis and rulemaking on biomass energy, and the original development of the Regional Greenhouse Gas Initiative. Dwayne has been actively engaged with renewable energy for over 30 years. Prior to joining DOER in 2002, he served as a research associate at UMass Amherst, as a U.S. participant in the International Energy Agency, an AAAS/EPA Environmental Fellow, and as a faculty member Lafayette College. He holds degrees from Swarthmore College (BS, Engineering), MIT (MS, Technology and Policy), and UMass Amherst (PhD, Resource Economics).

Michael Worden, Chief, Electric Distribution Systems, New York State Public Service Commission

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Mr. Worden has 37 years of utility industry experience. He is responsible for New York State's Standardized Interconnection Requirements, which are applicable to small distributed generation facilities up to 2 MW. Michael is also responsible for the following activities at the New York State Public Service Commission: utility electric emergency plan oversight, electric distribution system reliability, power system storm hardening and resiliency efforts, and development of smart grid and micro grids. Michael has a BSE from the University of Tennessee at Chattanooga and an MBA from the University at Albany.

Time for Q&A

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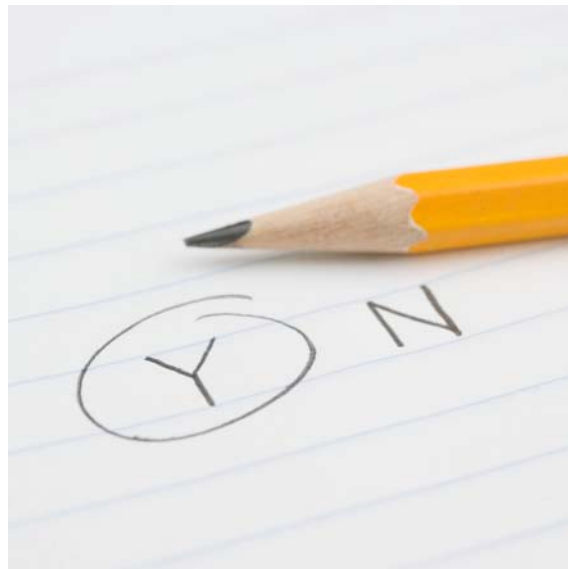
Questions



Survey

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- How did we do?
- Your feedback is important!



Your participation is appreciated!

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Thank you!

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following the webinar

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