

Clean Energy Solutions Center and the Global Superior Energy Performance Partnership's Energy Management Working Group and the International Partnership for Energy Efficiency Cooperation

Training Local Workforces to Promote Energy Management in Industry and Buildings

Moderators:

Sean Esterly, National Renewable Energy Laboratory

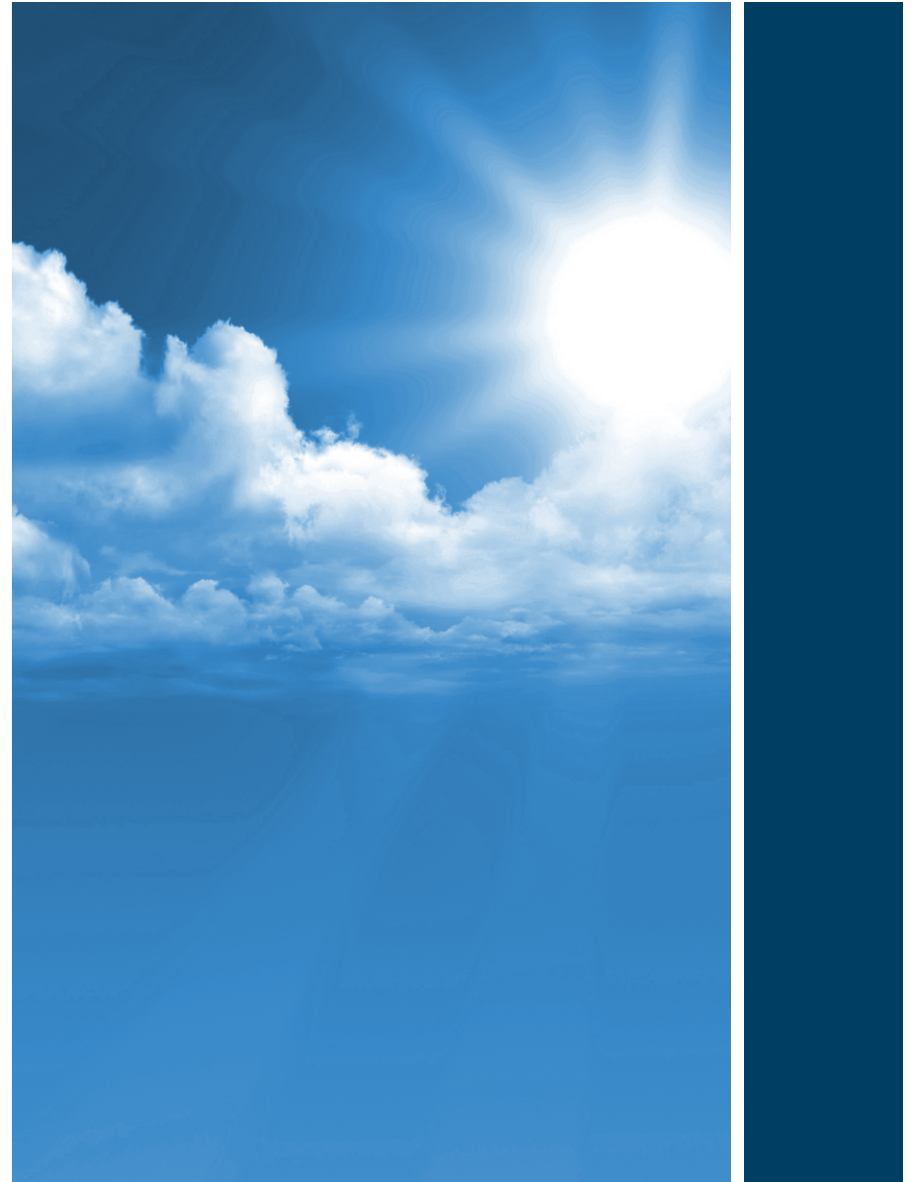
Panelists:

Graziella Siciliano, Fellow, US Department of Energy
Sylvia Boucher, Office of Energy Efficiency at Natural Resources Canada

Patrick Crittenden, Director of Sustainable Business Pty Ltd

Hemant Grover, National Cleaner Production Centre of South Africa

Paul Scheihing, US Department of Energy



Disclaimer

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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:
 - **Graziella Siciliano**, Fellow at the U.S. Department of Energy
 - **Sylvia Boucher**, Office of Energy Efficiency at Natural Resources Canada
 - **Patrick Crittenden**, Director of Sustainable Business Pty Ltd
 - **Hemant Grover**, National Cleaner Production Centre of South Africa
 - **Paul Scheihing**, U.S. Department of Energy
- ✓ Questions and Answers
- ✓ 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

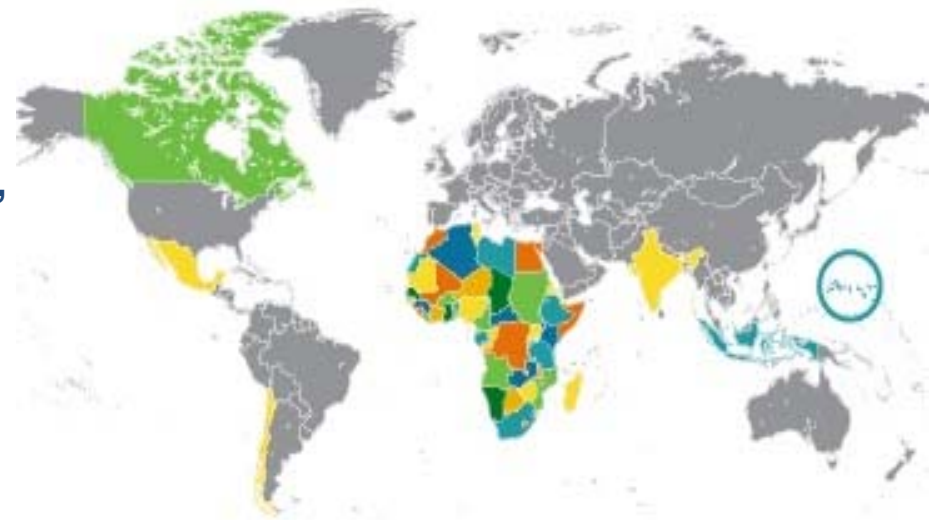
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We connect you to a global network of energy experts for personalized attention and quick response technical assistance on **strategies, regulations, standards, financial incentives, and deployment programs** for a broad range of clean energy sectors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



- Renewable Energy
- Energy Access
- Energy Efficiency
- 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



Graziella Siciliano, Oak Ridge Institute of Science Education Fellow at the U.S. Department of Energy

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Ms. Graziella Siciliano is an Oak Ridge Institute of Science Education Fellow at the U.S. Department of Energy where she has served as a coordinator for the Global Superior Performance Partnership (GSEP) initiative of the Clean Energy Ministerial since August 2012. GSEP's Energy Management Working Group works to cut global energy use by encouraging industrial facilities and commercial buildings to pursue continual improvement in energy efficiency through energy management. Working with government experts from member countries, Ms. Siciliano builds collaboration on strategies to accelerate implementation of energy management systems.

Before joining the U.S. Department of Energy, Ms. Siciliano worked for three years as a Program Manager at the Alliance to Save Energy, a non-profit organization based in Washington DC. Her programs focused on building capacity of U.S. utilities to implement demand –side management programs and of increasing U.S public procurement of energy efficient appliance and equipment.

Ms. Siciliano earned a B.A. in Political Science from Butler University (2002) and a M.A. in Energy and Environmental Policy and Economics from the Johns Hopkins University – School of Advanced International Studies (2009).

Sylvia Boucher, Chief, Training and Outreach Industry and Transportation Division, Natural Resources Canada

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Sylvia Boucher is the Chief of Training and Outreach for the Industry and Transportation Division of the Office of Energy Efficiency at Natural Resources Canada. She has more than 25 years of experience working in natural resources sectors of the federal Public Service. Prior to joining the federal government, Sylvia held a position with an investment firm in private industry. Her experience extends to national and international public policy areas, regulations, program development and implementation, federal-provincial consultations and negotiations, industry advisory and aboriginal consultations. She has represented the federal government at national and international conferences and meetings on fisheries, forestry and energy matters. She holds an Honors degree in Economics and, a Bachelor of Arts degree with minor in Political Science, from Carleton University.

Patrick Crittenden, Director of Sustainable Business Pty Ltd

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Patrick Crittenden is Director of Sustainable Business Pty Ltd, International Visiting Scholar at the Steven L. Newman Real Estate Institute and a researcher at the University of Technology, Sydney. Patrick has partnered with corporate and government clients on projects that span corporate climate change strategy, energy efficiency training and education and energy efficiency policy development. Key projects include advising on the development and implementation of the Australian Energy Efficiency Opportunities Act (2006), developing a stakeholder engagement strategy to support the introduction of national energy management legislation in Mongolia, and reviewing the International Energy Agency's recently published Policy Pathway on Energy Management Programmes for Industry. Patrick has recently completed his doctoral thesis, which examines the strategies and practices that leading businesses in Australia have developed to significantly improve their energy efficiency performance. The findings from his research provide important insights into the actions that policymakers and practitioners can take to accelerate the adoption of effective energy management systems and practices in organizations.

Hemant Grover, Project Manager, Industrial Energy Efficiency Project, National Cleaner Production Centre of South Africa

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Hemant Grover is an Electrical Engineer with a Masters in Engineering Management. He has been extensively involved in Energy Management for the past 13 years. In his previous position, he has served as the Services Manager for the University of Pretoria, championing a number of water and energy management projects. He is presently a project manager for the Industrial Energy Efficiency Project at the NCPC in South Africa. His experience in Energy Management ranges from R&D, to Facilities Management, Commercial Building Energy Management, Industrial Energy Efficiency, ISO 50001, M&V and Renewable Energy.

Hemant sits on the South African mirror committee TC 242 for the ISO 50001 standard and is the convenor for working group 4 on ISO 50002, Energy Audits. He is very involved in implementation of ISO 50001 in South Africa, from training engineers and Lead Auditors on the standard, to facilitating implementation, to conducting certification audits. He has keen interests in Renewable Energy and has recently completed the Renewable Energy Professional course.

Paul Scheihing, Technology Manager, U.S. Department of Energy

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Paul Scheihing is a Technology Manager within the U.S. Energy Department's Advanced Manufacturing Office (AMO). He is the lead working on the development of the Superior Energy Performance certification program in partnership with U.S. industry. He is a member of the U.S. Technical Advisory Group that developed the ISO 50001 energy management standard. Scheihing has worked for DOE since 1988. He has developed with U.S. industry a variety of research, development and technology deployment partnerships and initiatives that all aim to encourage the more rapid adoption of energy efficient industrial technologies. In the 1990s, he managed the Energy Department's voluntary industry partnerships such as Motor Challenge, Steam Challenge, and Compressed Air Challenge. Previous to the Energy Department, Scheihing worked for five years at the Garrett Turbine Engine Company and five years with Westinghouse Electric Corporation. Both jobs were as a Gas Turbine Development Engineer with a specialty of gas turbine combustor design, test and development. He holds a Bachelor of Science in Mechanical Engineering from the University of Connecticut in Storrs, Connecticut, and a Masters of Science in Mechanical Engineering from Drexel University in Philadelphia, Pennsylvania.

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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