

Linking Building Energy Efficiency and Nationally Determined Contributions (NDCs)

11 January 2017

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- *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*

Agenda

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Welcome & Introductory Remarks

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Overview of the Clean Energy Solutions Center

- **Eric Lockhart**, National Renewable Energy Laboratory

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Presentations

- **Sarah Stinson**, Natural Resources Canada (Canada)
- **Meredydd Evans**, Pacific Northwest National Laboratory (USA)
- **Jennifer Layke**, World Resources Institute (USA)
- **Marie-Christine Roger**, Ministry of Energy, Ecology and Sea (France)

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Question and Answer Session

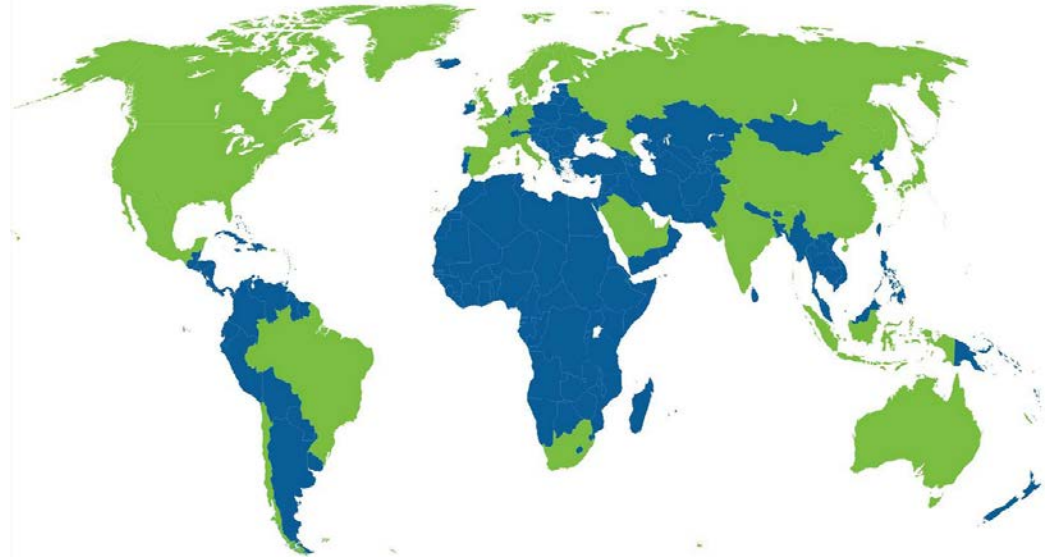
Clean Energy Ministerial

The Solutions Center:

- Launched under the Clean Energy Ministerial (CEM) in 2011

Clean Energy Ministerial:

- A high-level global forum to promote policies and programs that advance clean energy technology, to share lessons learned and best practices, and to encourage the transition to a global clean energy economy.



90%
of
Clean energy
investment

&

75%
of
Global CO₂
emissions

Clean Energy Ministerial: Initiatives

The Solutions Center:

- Is one of 9 CEM Initiatives, which include:
 - ❖ International Smart Grid Action Network
 - ❖ 21st Century Power Partnership
 - ❖ Global Lighting and Energy Access Partnership

Three Overarching Goals of CEM:

- Improve Energy Efficiency Worldwide
- Enhance Clean Energy Supply
- Expand Clean Energy Access

ENERGY DEMAND



Appliances



Energy Management



Electric Vehicles

ENERGY SYSTEMS & INTEGRATION



21st Century Power



Energy Access



Smart Grids



Sustainable Cities

CROSCUTTING SUPPORT



Clean Energy Policy



Women in Clean Energy

ENERGY SUPPLY



Solar and Wind

Solutions Center: Background & Vision

The **Solutions Center** helps governments design and adopt policies and programs that support the deployment of clean energy technologies.

Led by Australia, Sweden, and United States, with in-kind support from Canada and Mexico.



Solutions Center: Goals and Audience

Goals

- **Serve** as a principal clearinghouse of clean energy policy and program resources
- **Share** clean energy policy best practices, data, and analysis tools across countries and economies
- **Deliver** dynamic, customized services that enable expert assistance, learning, and knowledge sharing
- **Foster** dialogue on emerging policy issues and innovation across the globe
- **Serve** as a primary resource for project financing options and information to expand markets for clean energy

Target Audiences

- **Primary**
 - Government Policy Makers and Advisors
- **Secondary**
 - Private-Sector Companies
 - Energy Entrepreneurs and Investors
 - Non-Governmental Organizations
 - Civil Society
 - Others Engaged in Clean Energy

Solutions Center: Partnerships

More than 35 international partners

- IRENA
- IEA
- Sustainable Energy for All (SE4ALL)
- Bloomberg New Energy Finance
- United Nations Environment Programme (UNEP)
- ECOWAS Center for Renewable Energy and Energy Efficiency
- Power Africa

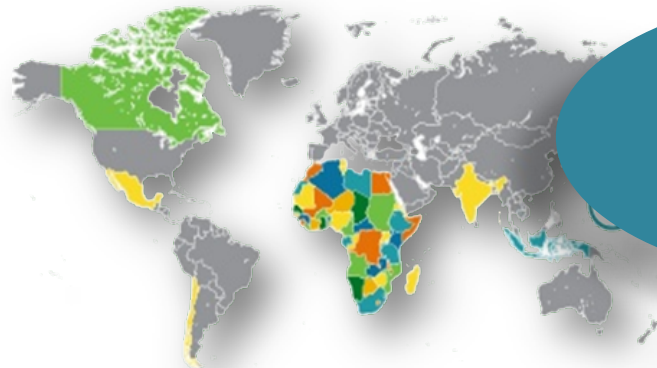


Ask an Expert: Our Experts in Action



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



Responded to
more than 300
requests from
over 90 countries.

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Sarah Stinson, Natural Resources Canada (Canada)



Sarah Stinson has been Director of the Buildings and Industry Division in the Office of Energy Efficiency at Natural Resources Canada since April 2014. Prior to joining Natural Resources Canada, Ms. Stinson was, from 2011-2014, Deputy Director of Intergovernmental Relations at Global Affairs Canada. From 2008-2010, Ms. Stinson served in the Foreign and Defence Policy Secretariat, Privy Council Office as Analyst responsible for Europe, International Financial Institutions and the G20. As a foreign service officer with Global Affairs Canada, Ms. Stinson represented Canada as the Trade Commissioner (Science and Technology) in the Hague, the Netherlands from 2004-2008. Ms. Stinson has also worked for the Government of Alberta and in the private sector in management consulting. Ms. Stinson holds a Bachelor of Arts (Honours) degree and MBA from the University of Alberta, Canada.

Meredydd Evans, Pacific Northwest National Laboratory (USA)



Meredydd Evans is an energy policy and finance expert with over 20 years of international experience. She has worked on energy efficiency and clean energy policies and projects in numerous countries. She is a senior staff scientist at the Pacific Northwest National Laboratory (PNNL), where she manages a program on international sustainable energy, including efforts on building energy efficiency codes and retrofits, energy data for policy and clean energy investments. She began working at PNNL in 1994, and she was seconded to the International Energy Agency in Paris from 2002 to 2006. While at the IEA, she served as Acting Head of the Non-Member Country Division and she wrote two books on energy policy. Both works have been used by national governments in designing policies, laws and regulatory systems. In addition, she has she led assessments of climate-related investments and policies, and she has developed energy efficiency and greenhouse mitigation projects worth over \$100 million. Ms. Evans has a B.A. from Columbia University's Barnard College and an M.A. from Harvard University. She is fluent in five languages and has published numerous books and articles.

Jennifer Layke, World Resources Institute (USA)



Jennifer Layke is global director of WRI's Energy Program. Layke oversees initiatives and projects that aim to expand access to clean and affordable energy that will reduce climate risks and strengthen communities worldwide. Layke leads a global team of experts in energy access, renewable energy and energy efficiency in China, India, Indonesia and the United States.

Previously, Jennifer was director of the Building Efficiency Initiative of the WRI Ross Center for Sustainable Cities. From 2010-2014 Jennifer ran Johnson Controls' Institute for Building Efficiency a global initiative to provide information and analyses on the technologies, policies, and practices to deliver high performance buildings. In addition, she supported strategic planning on corporate energy, sustainability and policy goals.

Jennifer's international experience includes consulting for the World Bank and the U.S. EPA on Montreal Protocol technology transfer. She has an A.B. in Asian Studies/Political Studies from Pitzer College in Claremont, CA, and a M.S. and MBA from the University of Michigan. In 1990, she was awarded a Thomas J. Watson Foundation fellowship for a year of sociology research in Singapore, Malaysia and Taiwan.

Marie-Christine Roger, Ministry of Energy, Ecology and Sea (France)



Marie-Christine Roger is a civil engineer graduate of the National College of State Public Works with a specialization in urban planning. She has an extensive experience in public policies targeting buildings and building codes. She began working for the Central Administration of the Ministry of Energy, Ecology and Sea in 2003, as head of the buildings regulation department. She is responsible for the transposition of the energy performance of buildings directive, and she is a member of the Energy Performance of Buildings Committee, implemented by the European Commission, where she represents the Directorate of Housing. She was actively involved in the French Grenelle Environment Forum process from 2007 to 2010 where she wrote the report defining the outlines of the subsequent ambitious buildings regulations implemented for achieving the related objectives. She has worked on sustainable construction and energy efficiency for Tunisia through a France-Tunisia eco-construction twinning as the energy efficiency expert. Before this, she worked in the Paris Region Land Management and Development Agency, from 1992 to 2002, where she managed the development of sustainable significant urban projects of neighbourhoods featuring housing, economic activities and public facilities. The first half of her career was spent as a manager of urban and construction projects, including retrofitting programs for municipalities and social real estate companies.

Question and Answer Session

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