

# Implementing Building Energy Codes: Implementation & Compliance Actions

12 November 2015

# Disclaimer

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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*

# Some Housekeeping Items

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# Agenda

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**Welcome & Introductory Remarks**

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**Overview of the Clean Energy Solutions Center**

- **Sean Esterly**, National Renewable Energy Laboratory

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**Presentations**

- **Jonah Steinbuck**, Climate and Clean Energy Fellow, U.S. DOE-IA
- **Meredydd Evans**, Senior Staff Scientist, PNNL

**Question and Answer Session 1**

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**Case Studies**

- **Peter Graham**, Executive Director, Global Buildings Performance Network
- **Sha Yu**, Scientist, PNNL

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**Attendee Survey**

# Solutions Center Background and Vision

CleanEnergySolutions.org

**The Clean Energy Ministerial (CEM) launched the Clean Energy Solutions Center in April 2011. The Solutions Center:**

- Is one of 13 CEM Initiatives, which include:
  - Global Superior Energy Performance Partnership
  - Super-Efficient Equipment and Appliance Deployment initiative
  - Global Lighting and Energy Access Partnership
- Helps governments design and adopt policies and programs that support the deployment of clean energy technologies
- Has more than 35 partners, including IRENA, IEA, IPEEC, Sustainable Energy for All, Bloomberg New Energy Finance and Leonardo Energy
- Is co-chaired by the U.S. Department of Energy and the Australian Department of Industry.



Australia



Denmark



India



Indonesia



Italy



Japan



Mexico



South Africa



France



United Arab Emirates



United States

# Clean Energy Solutions Center

CleanEnergySolutions.org

## Goals

- **Serve** as the primary resource for clean energy policy information, assistance and peer learning for governments and government-affiliated practitioners.
- **Share** policy best practices, data, and analysis tools across countries.
- **Deliver** dynamic services that enable expert assistance, learning, and peer-to-peer sharing of experiences.
- **Foster** dialogue on emerging policy issues and innovation across the globe.

## Primary

- Government Policy Makers
- Advisors

## Secondary

- Private Sector Companies
- Energy Entrepreneurs and Investors
- Non-Governmental Organizations
- Civil Society
- Others Engaged in Clean Energy

## Target Audiences

# Ask-an-Expert: Our Experts in Action

CleanEnergySolutions.org

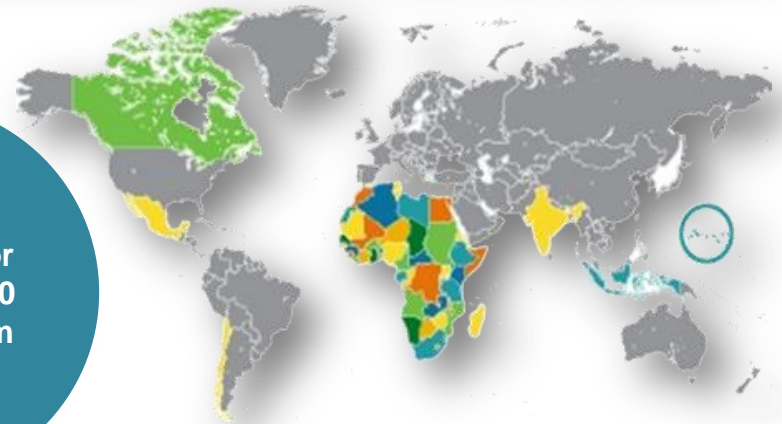


Connects policymakers to a global network of more than 30 energy experts for quick-response technical assistance on policies and programs relating to:



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

Delivered no-cost assistance for more than 160 requests from over 75 countries.



Please submit a question directly at  
[cleanenergysolutions.org/expert](https://cleanenergysolutions.org/expert)

Or contact me directly to find out how the Ask-an-Expert program can benefit your work:

[Sean.Esterly@nrel.gov](mailto:Sean.Esterly@nrel.gov) | 303-384-7436



# Jonah Steinbuck, Climate and Clean Energy Fellow, Office of International Affairs, U.S. DOE



Jonah Steinbuck is a Climate and Clean Energy Fellow in the Office of International Affairs at the U.S. Department of Energy. His work currently focuses on advancing clean energy and energy efficiency policy through international fora such as the International Partnership for Energy Efficiency Cooperation (IPEEC), the Clean Energy Ministerial, and the G-20. He serves as the U.S. lead for the IPEEC Building Energy Efficiency Task Group (BEET), which facilitates the exchange of best practices in building energy policy. Previously, he served on the staffs of the American Meteorological Society Policy Program, the White House Council on Environmental Quality and the Select Committee on Energy Independence and Global Warming in the U.S. House of Representatives.

# Meredydd Evans, Senior Staff Scientist, Pacific Northwest National Laboratory



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 was seconded to the International Energy Agency in Paris from 2002 to 2006, during which time she served as Acting Head of the Non-Member Country Division. She wrote two books on energy policy, both of which have been used by national governments in designing policies, laws and regulatory systems. 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.

# Peter Graham, Executive Director, Global Buildings Performance Network



Dr. Peter Graham has been the Technical Advisor and past Coordinator of the United Nations Environment Programme's (UNEP) Sustainable Buildings and Climate Initiative where he has developed and managed many of UNEP's key projects and publications in the building sector. He comes to the GBPN from a position as Head of Discipline for Architecture and Design at the University of New South Wales, Sydney, Australia. In these roles, Peter worked closely with the public, civil and private sectors to assist the global transition to a sustainable building and construction industry.

# Sha Yu, Scientist, Pacific Northwest National Laboratory



Sha Yu is a scientist at the Pacific Northwest National Laboratory. Her research focuses on developing and implementing energy efficiency and clean energy policies in developing countries such as India, China, Russia, and Vietnam. Building on her experience in building energy codes development and implementation, she is currently working with the State of Rajasthan to roll out the implementation of the Energy Conservation Building Code. She is also assessing future energy consumption of the Indian buildings sector and policy options, using the Global Change Assessment Model (GCAM). In addition, she has worked on the integrated assessment modeling in industrial, building, and transportation sectors; the modeling tool helps countries to analyze the impact of economic, demographic, and social development on energy supply and demand in the near and long terms. Sha Yu is also developing black carbon emissions inventory and mitigation measures in the Russian Arctic. Sha Yu received her Master's degree in environmental and energy policy.

# Question and Answer Session

Please submit any questions through the “Question Pane” of the GoToWebinar panel

## Questions



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# Your Participation is Appreciated!

## THANK YOU!

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- For more information on the “Ask-an-Expert” program please email me directly:
  - [Sean.Esterly@nrel.gov](mailto:Sean.Esterly@nrel.gov) or 303-384-7436