

Implementing Building Energy Codes: Status of Building Energy Code Development and Implementation

22 October 2015

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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
- **Peng Chen**, Centre for the Science & Technology of Construction (CSTC-MOHURD)
- **David Cohan**, Building Energy Codes Program Manager, U.S. DOE

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Question and Answer Session

- **Peter Graham**, Executive Director, Global Buildings Performance Network

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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

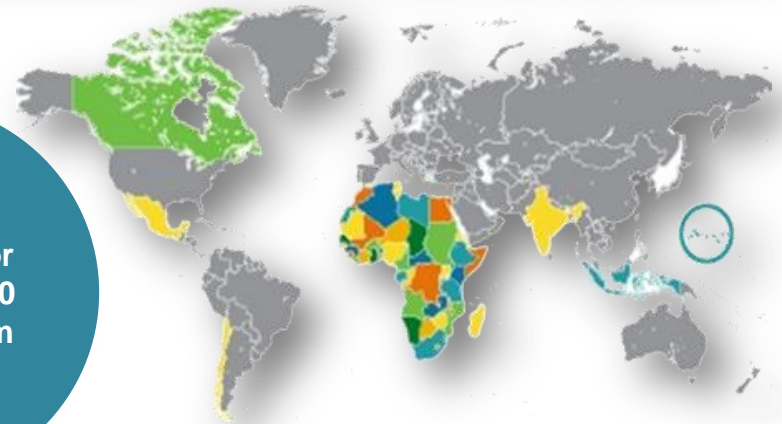


Connects policymakers to a global network of more than 30 energy experts for quick-response technical assistance on policies and programs relating to:



- 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

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

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.

Peng Chen, Centre for the Science & Technology of Construction

David Cohan, Building Energy Codes Program Manager, U.S. Department of Energy



David Cohan is the Building Energy Codes Program Manager for the U.S. Department of Energy. He has worked in energy efficiency for over 20 years in a variety of capacities, including evaluation, program design and, for the past ten years, the development and implementation of building energy codes that mandate minimum efficiency levels for all new buildings constructed in the United States. David is particularly focused on ways to increase compliance with the codes so that the potential energy savings are actually realized. David has worked at the Northwest Energy Efficiency Alliance since 2000 and is currently on special assignment to U.S. DOE where he was brought in to reinvigorate their energy codes program. He holds an MS in Energy Management and Policy from the University of Pennsylvania and a BA in Literature from the University of California, San Diego.

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.

Question and Answer Session

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Questions



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 - Sean.Esterly@nrel.gov or 303-384-7436