

# Clean Energy Solutions Center and the International Smart Grid Action Network (ISGAN)

## *ISGAN Smart Grid Webinar Series: Transactive Control*

July 10, 2013

Vickie Healey – Moderator

Eric Lightner– International Smart Grid Action Network

Rob Wilhite– DNV KEMA

Dr. Ronald Melton – Battelle



- *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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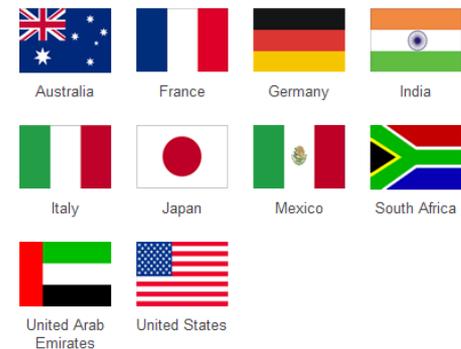
# Agenda

- ✓ Welcome and Introductory Remarks
- ✓ Overview of the [Clean Energy Solutions Center](#)
  - **Vickie Healey**: Project Leader, National Renewable Energy Laboratory
- ✓ Presentations - Panelists:
  - **Eric Lightner**: Director of the Federal Smart Grid Task Force, DOE
  - **Dr. Ronald Melton**: Project Director, Battelle
  - **Rob Wilhite**: Global Director – DNV KEMA
- ✓ Question & Answer
- ✓ Discussion and 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>

## 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

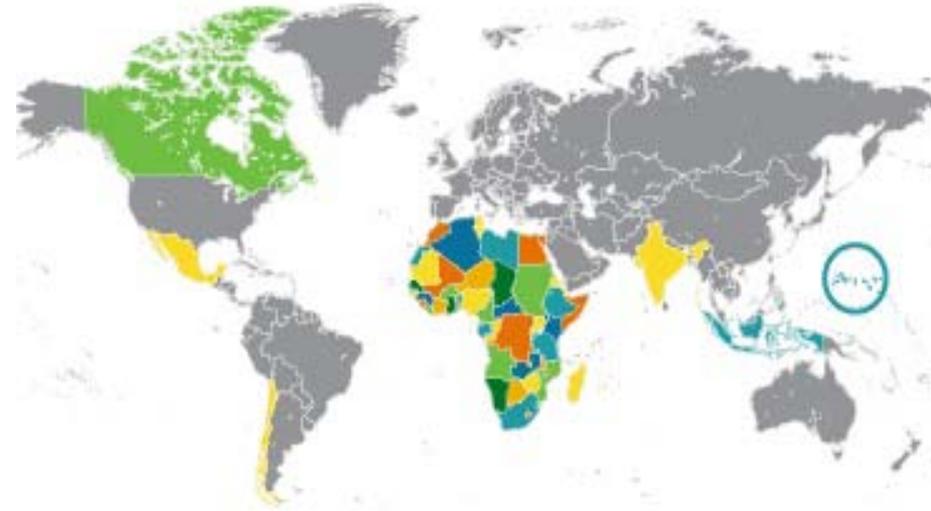


# Ask an Expert: Our Experts in Action



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



**Requesting Assistance:**

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

# How You Can Get Involved

- 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



# Eric Lightner: Director of the Federal Smart Grid Task Force, Department of Energy

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**Eric Lightner** is the Director of the Federal Smart Grid Task Force within the Office of Electricity Delivery and Energy Reliability. The mission of the Task Force is to ensure awareness, coordination and integration of smart grid related activities both within the Department of Energy and elsewhere in the Federal government. These activities include smart grid research and development; development of smart grid standards and protocols; and the relationship of smart grid technologies to electric utility regulation, infrastructure development, system reliability and security. Prior to directing the Task Force, Mr. Lightner conceived of and championed the smart grid program and all smart grid activities at the Department of Energy including the smart grid research and development program, the creation of the GridWise brand; the formation of the GridWise Architecture Council; and the formation of the GridWise Alliance. Previously, at the Department, he was involved in characterization, monitoring and sensor technology development for the Office of Environmental Management in support of DOE's waste clean-up efforts, and managed research and development for the Sensors and Controls program within the Office of Industrial Technologies. Mr. Lightner earned a Bachelors of Science degree in electrical engineering from the University of Maryland and a Masters of Science degree in electrical engineering from the Johns Hopkins University.

# Dr. Ronald Melton: Project Director, Battelle

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**Dr. Ronald Melton** Dr. Ronald Melton is the director of the Battelle-led Pacific Northwest Smart Grid Demonstration project, the administrator of the GridWise® Architecture Council, and Team Lead for Distribution Systems and Demand Response at the Pacific Northwest National Laboratory (PNNL). He has over 30 years of experience applying computer technology to a variety of engineering and scientific problems. In addition to smart grid-related projects, his recent experience includes research and engineering in cyber security for critical infrastructure protection and process control system security. Dr. Melton is a Senior Member of the Institute of Electrical and Electronics Engineers and a Senior Member of the Association for Computing Machinery.

# Rob Wilhite: Global Director, DNV KEMA

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**Rob Wilhite** For DNV KEMA, Rob Wilhite provides leadership and direction to a worldwide team serving clients with advisory services for utility operations automation, business strategy and markets, and regulatory analyses. In prior industry roles, Rob developed direct knowledge and experience in utility operations, including distribution engineering, metering, energy efficiency, marketing, and customer services. Currently, Rob is responsible for a global business line and fulfills a role on DNV KEMA's Global Leadership Team. He also serves as an officer for the Global Smart Grid Federation and as a Board Director for GridWise Alliance. Rob was invited to participate in a private listening and action session on the smart grid and energy as part of President Obama's Council on Jobs and Competitiveness in 2011. He was also named as one of the Top 25 Consultants in the U.S. by Consulting Magazine in 2009 and identified in 2012 as one of the Networked Grid 100 Movers and Shakers of the Smart Grid by Greentech Media.

Time for Q&A

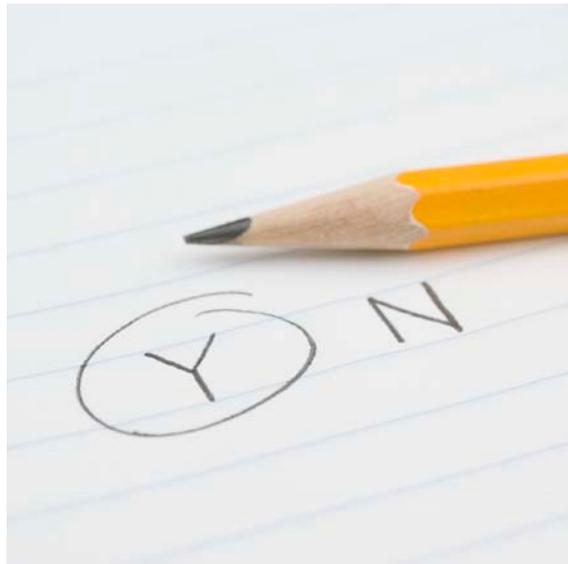
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## Questions



# Survey

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



Your participation is appreciated!

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Thank you!

An audio recording of this Webinar and the PowerPoint presentations will be available following the webinar

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