

The Renewable Energy Data Explorer Tool: Private Sector Applications

27 July 2017

Some Housekeeping Items

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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 practice resources reviewed and selected by technical experts*

Agenda

1

**Welcome &
Introductory
Remarks**

2

**Overview of the
Clean Energy
Solutions Center**

- **Stephanie Hernandez**, Clean Energy Solutions Center

3

Presentations

- **Andrea Watson**, National Renewable Energy Laboratory
- **Mark Jacobson**, National Renewable Energy Laboratory

4

**Question and
Answer Session**

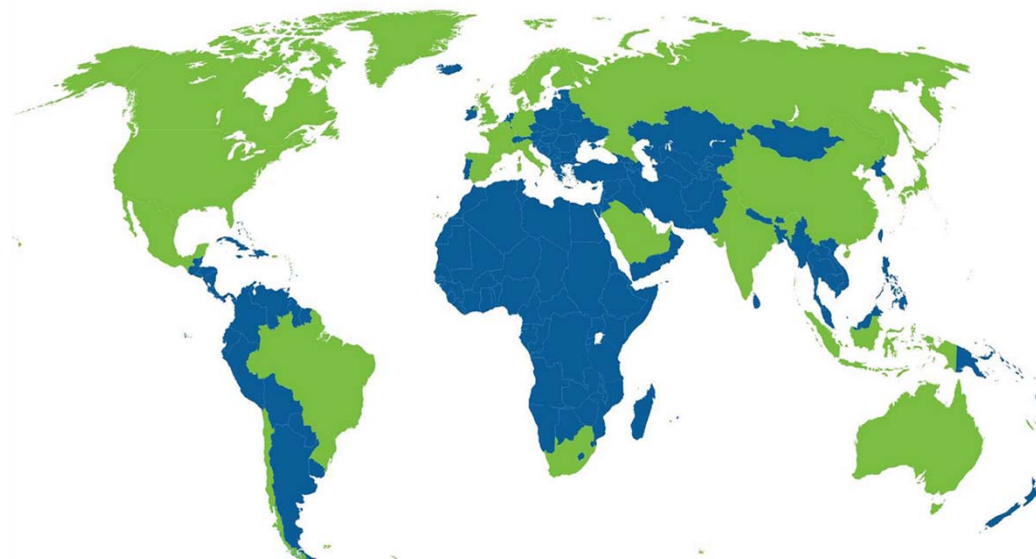
Clean Energy Ministerial

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

Solutions Center: Background & Vision

- Multilateral initiative, of the Clean Energy Ministerial, has been co-led by the Australian Department of the Environment and Energy, and the U.S. Department of Energy. Additional funding support from Sweden's Ministry of the Environment and Energy, and Power Africa
- In-kind support from Canada and Mexico
- The Solutions Center is a unique CEM initiative assisting countries in all regions of the world in strengthening clean energy policies and finance measures
- Supporting transition of clean energy markets and technologies



*US participation & leadership are under review.

Solutions Center: Goals and Audience

Programs and Services

- **Team of 50+ experts from around the globe responded to 350+ requests for policy support from more than 80 countries**
 - Extensive support across Africa, Asia, and LAC
 - Launched support for finance measures in 2015
- **Trained over 15,000 officials through more than 225 webinars and training events with others**
- **Strong & growing partnerships with development agencies and regional and global organizations in delivery of support**
- **Over 5500 resources in curated library for policy makers**

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:

- Climate Technology Center and Network (CTCN)
- ECOWAS Center for Renewable Energy and Energy Efficiency (ECREEE)
- Inter-American Development Bank (IDB)
- International Energy Agency (IEA)
- International Partnership for Energy Efficiency Cooperation (IPEEC)
- International Renewable Energy Agency (IRENA)
- Low Emission Development Strategies Global Partnership (LEDS-GP)
- Renewable Energy Policy Network for the 21st Century (REN21)
- Sustainable Energy for All (SEforALL)
- United Nations Environment Programme (UN Environment)
- USAID Power Africa (USAID PA)

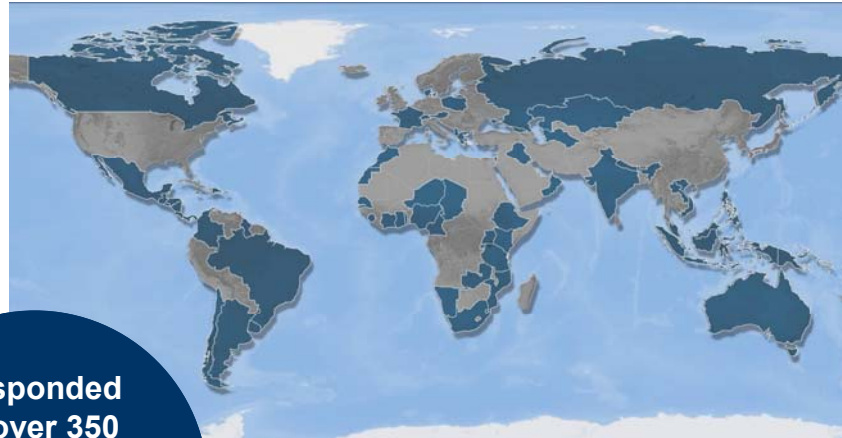


Ask an Expert: Our Experts in Action



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 energy transition programs** for a broad range of clean energy sectors and technologies including:

- Carbon Capture Utilization & Storage
- Energy Access
- Energy Efficiency
- Renewable Energy
- Smart Grid
- Transportation
- Utilities



Responded to over 350 requests for assistance from over 80 countries.

To request assistance, register on <http://cleanenergysolutions.org/expert>

Andrea Watson, Manager, Integrated Decision Support, NREL



Andrea Watson leads the Integrated Decision Support group at NREL. She and her team lead complex energy projects and programs that require strategy development, analytics, and technical decision making. Andrea's expertise lies in strategic planning, change strategies, and decision-making support as applied to clean energy projects and programs. She has specific expertise in clean energy solutions for emission mitigation, international climate change strategies, and renewable energy applications applied to the mining industry.

Andrea graduated from UC Berkeley with an undergraduate degree in integrative biology and from the University of Colorado at Boulder with a master's of engineering in engineering management. In 2014, she completed a U.S. Department of State Fulbright Scholarship to Chile where she focused on renewable energy decision-making in the mining industry.

Mark Jacobson, Senior Project Leader, National Wind Technology Center, NREL



Mark joined NREL and the NWTC in 2013. Mark's work at NREL is focused in three primary areas; international assistance via renewable resource assessments and developing capacity building strategies; educational outreach for renewable energy technologies, primarily wind; and developing solutions for the various market barriers of wind energy. Mark has led the Wind Resource Mapping effort in Bangladesh and the Philippines, as well as a successful Offshore Wind demonstration proposal for DOE. He has supported the Wind Powering America initiative and the Wind for Schools program. Prior to joining NREL, Mark's career spanned a diverse background of energy positions from energy efficiency program development for large commercial and industrial customers, to transmission and interconnection queue management to electric generation development (including: utility scale natural gas, wind and solar). He has developed expertise in energy plant siting, stakeholder engagement strategies, permitting, contracting, interconnection queue management and power marketing. Recently, he has spent the last 15 years in generation development, responsible for leading the siting, permitting, interconnection and marketing aspects of development. Additionally, he has led and/or supported various renewable legislative lobbying efforts within the midwest and western states. Mark has been responsible for over 1,000 megawatts of generation projects built or under contract, primarily wind.

Question and Answer Session

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THANK YOU!

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