Greening the Grid: Utility-Scale Battery Storage

27 February 2019
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Agenda

1. Welcome & Introductory Remarks

2. Overview of the Clean Energy Solutions Center
   - Clean Energy Solutions Center

3. Presentations
   - Paul Denholm, Principal Energy Analyst, NREL

4. Question and Answer Session

**USAID Moderator**
- Jennifer Leisch, USAID-NREL Partnership Manager, USAID Office Of Global Climate Change
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, is co-led by the Australian Department of the Environment and Energy, the Swedish Ministry of the Environment and Energy, and the U.S. Department of Energy.
- Additional funding support from Power Africa & the Hewlett Foundation
- 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
Solutions Center: Goals and Audience

- Team of 60+ experts from around the globe responded to 450+ requests for policy support from more than 90 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 2500 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)
- Sustainable Energy for All (SEforALL)
- United Nations Environment Programme (UN Environment)
- USAID Power Africa (USAID PA)
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:

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

Responded to over 450 requests for assistance from over 90 countries.

To request assistance, register on http://cleanenergysolutions.org/expert
Jennifer Leisch is a Climate Change Mitigation Specialist in the USAID Office of Global Climate Change, where she supports the U.S. Enhancing Capacity for Low Emission Development Strategies program. Jennifer manages the USAID Greening the Grid partnership, and she directs agency work to account for greenhouse gas emissions reductions as a result of USAID Clean Energy programs. She holds a Ph.D. focused on renewable energy science, and she has previously worked in the research and development of advanced solar energy and fuel cell technologies.
Paul Denholm is a leading researcher in integration of renewable energy at the National Renewable Energy Laboratory. He has pioneered a variety of research methods for understanding the technical, economic, and environmental benefits and impacts of the large scale deployment of renewable electricity generation. He has delivered over 100 invited presentations to agencies including the National Science Foundation, the World Bank, and the International Energy Agency. He has co-authored over 100 articles related to renewable energy integration.
Your Participation is Appreciated!

THANK YOU!

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