



Greening the Grid: Utility-Scale Battery Storage

27 February 2019

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Agenda

Welcome &

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Introductory Remarks



USAID Moderator

Jennifer Leisch, USAID-NREL Partnership Manager, USAID Office Of Global Climate Change



Presentations

Paul Denholm, Principal Energy Analyst, NREL Question and Answer Session



Clean Energy Ministerial

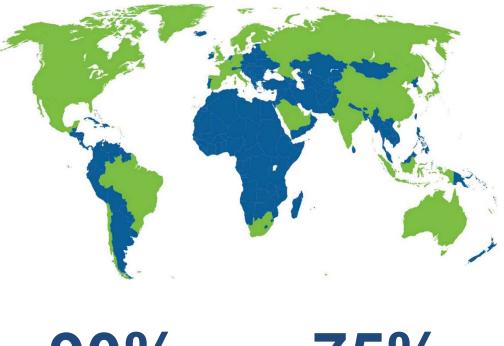


The Solutions Center:

 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 of Global CO₂ emissions

SOLUTIONS CENTER

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

Country Participants to the
Clean Energy Solutions CenterImage: AustraliaImage: Austral



Solutions Center: Goals and Audience



CLEAN ENERGY SOLUTIONS CENTER SSISTING COUNTRIES WITH CLEAN ENERGY POLICY

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)



SSISTING COUNTRIES WITH CLEAN ENERGY POLICY





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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

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Jennifer Leisch, USAID-NREL Partnership Manager, USAID Office of Global Climate Change



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.





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Paul Denholm, Principal Energy Analyst, NREL



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



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THANK YOU!

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