

Distributed Solar on the Grid: Key Opportunities and Challenges

17 November 2016

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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

- **Owen Zinaman**, National Renewable Energy Laboratory (NREL)
- **Michael Coddington**, National Renewable Energy Laboratory (NREL)
- **Jeffrey Haeni**, United States Agency for International Development (USAID)

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Question and Answer Session

Moderated by Jeff Haeni

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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, the Australian Department of Industry, and the Government of Sweden



Australia



Sweden



United States



Canada



France



India



Indonesia



Mexico

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

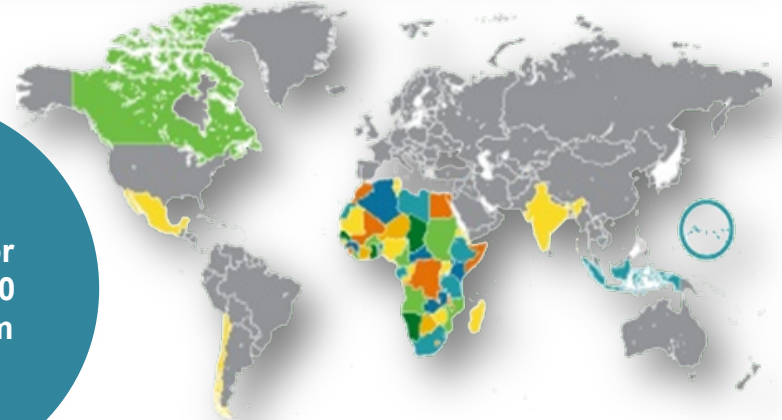


Connects policymakers to a global network of more than 30 energy experts for quick-response technical assistance on policies and programs relating to:



- 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 your question directly at cleanenergysolutions.org/expert

Jeffrey Haeni, Energy Division Chief, U.S. Agency for International Development (USAID)



Jeffrey Haeni is the Energy Division Chief for the USAID in Washington, DC. Mr. Haeni provides support to USAID Missions worldwide on the design, implementation, and evaluation of clean energy projects. In this role, Mr. Haeni has worked in over 16 countries, including Pakistan, Afghanistan, Mali, Bangladesh, Liberia, India, South Africa, Indonesia, Nepal, Zambia, Colombia, Haiti, Jamaica, and Guyana. Before joining USAID, Mr. Haeni was an energy specialist on the Economic Policy Staff in the African Bureau at the Department of State and served as an energy advisor to Representative Rush Holt (D-NJ) in the U.S. House of Representatives. Mr. Haeni has a Ph.D. in Materials Science and Electrical Engineering from the Pennsylvania State University.

Owen Zinaman, Power Sector Analyst, National Renewable Energy Laboratory



Owen Zinaman is a Power Sector Analyst at the U.S. National Renewable Energy Laboratory, and serves as the Technical Lead for the USAID Distributed Generation Technical Assistance Program. He also serves as the Deputy Lead to the 21st Century Power Partnership, a multilateral initiative of the Clean Energy Ministerial operating power sector transformation technical assistance programs in South Africa, Mexico and India. He received his Masters degree in Nuclear Engineering and Radiological Sciences from the University of Michigan at Ann Arbor, with a focus on science and technology public policy.

Michael Coddington, Principal Electrical Engineer, National Renewable Energy Laboratory



Michael Coddington is a Principal Electrical Engineer at the National Renewable Energy Laboratory, and has focused on the interconnection and integration of Distributed Energy Resources (DERs) onto the utility distribution grid. Much of his work has been on the development and application of relevant standards and codes such as UL1741, IEEE 1547, and the National Electrical Code (NEC). He has also been involved in the IEA PVPS Task 14, which is an internationally focused group on high PV penetration. Prior to NREL, Michael spent almost 20 years working in the electric utility industry where he focused on electric distribution design and planning, key account management, and utility operations.

Question and Answer Session

Please submit any questions through the “Question Pane” of the GoToWebinar panel

Questions



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Attendee Survey

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THANK YOU!

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