

Powering Healthcare: The State of Play in Health Facility Electrification

19 July 2016

Disclaimer

- *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*

Some Housekeeping Items

Two Options for Audio (select audio mode):

1. *Listen through your computer.*

- Please select the “mic and speakers” radio button on the right hand audio pane display

2. *Listen by telephone.*

- Please select the “telephone” option in the right-hand display, and a phone number and PIN will display.

3. *Panelists - Please mute your audio device when not presenting*

4. *Technical Difficulties:*

- *Contact the GoToWebinars Help Desk: 888.259.3826*

Some Housekeeping Items (continued)

- **To ask a question**
 - Select the 'Questions' pane on your screen and type in your question
- **Having trouble viewing the webinar?**
 - PDFs of the presentations can be accessed at <https://cleanenergysolutions.org/training>
- **Share with others or watch it again**
 - A video/audio recording of this Webinar and the slide decks will be made available at: <https://cleanenergysolutions.org/training>
- **Recordings are also available on our YouTube channel**
 - <http://www.youtube.com/user/cleanenergypolicy>

Agenda

1

**Welcome &
Introductory
Remarks**

2

**Overview of the
Clean Energy
Solutions Center**

- **Eric Lockhart**, National Renewable Energy Laboratory

3

Presentations

- **Jem Porcaro**, United Nations Foundation
- **Michaela Pfeiffer**, World Health Organization
- **Dr. Edward Fitzgerald**, Lifebox Foundation
- **Carolina Barreto**, Tetra Tech

4

**Question and
Answer
Session**

5

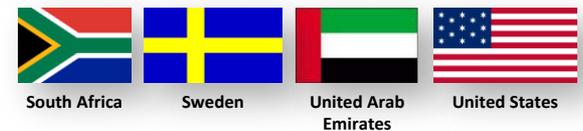
**Attendee
Survey**

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 and the Australian Department of Industry.



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

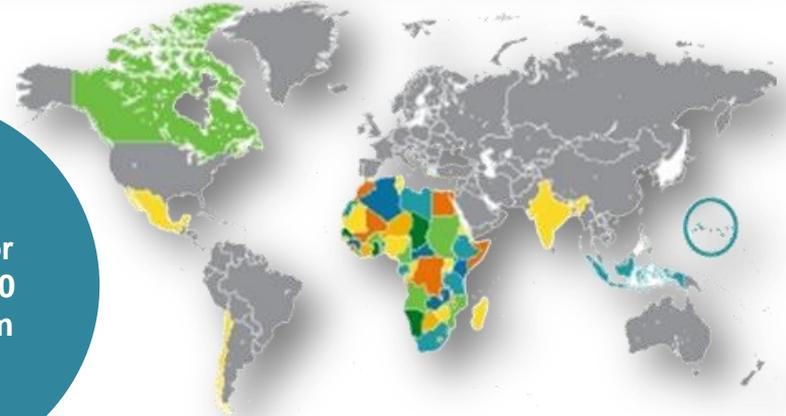


Connects policymakers to a global network of more than 30 energy experts for quick-response technical assistance on policies and programs relating to:



- 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

Jem Porcaro, UN Foundation



Jem Porcaro is the Senior Director of Energy Access at the UN Foundation, where he is responsible for providing leadership, management and project support to the Foundation's energy access work, with a particular focus on its involvement in the UN's Sustainable Energy for All (SEforAll) initiative. Jem has more than ten years of experience in international energy development. Immediately prior to joining the Foundation, Jem worked with Nexant and earlier in his career worked with UNDP on energy access issues in their global energy practice. Jem received his Master of International Affairs with a concentration in International Energy Policy and Management from Columbia University, and his Bachelor of Science in Civil Engineering from Tufts University.

Michaela Pfeiffer, World Health Organization



Michaela Pfeiffer has a Master's degree in the control of infectious diseases from the London School of Hygiene and Tropical Medicine. She has worked in the health development sector for the World Health Organization for more than a decade on issues ranging from the coordination of donor assistance, vulnerability impact assessments, to the analysis of the effectiveness of targeted health interventions, including in the context of humanitarian emergencies.

Michaela joined WHO's environment department in 2007 and for the past two years has the senior technical officer leading WHO's global programme on Greening the Health Sector. In this capacity, she is working to address environmental issues associated with WHO's own work and operation. She is also leading several projects on sustainable health systems focussing on issues such as green procurement, health care waste management, and mitigation of health sector greenhouse gas emissions. Michaela is WHO's operational focal point for the SE4ALL High-Impact Opportunity on Energy for Women's and Children's Health.

Dr. Edward Fitzgerald, Lifebox Foundation



Dr. Edward Fitzgerald is a clinical advisor to the Lifebox Foundation. Launched in 2011 by [four of the world's](#) leading medical organisations, we're the only NGO devoted to safer surgery in low-resource countries. Our programme sets the standard for appropriate technology and global distribution in challenging settings. We've made surgery and anaesthesia safer for 10 million patients, building new networks across professional, academic and commercial organizations in more than [100 countries](#) worldwide. We're prioritising the most invisible, essential component of any complex system: safety. Because fundamentally, Lifebox® is about saving lives.

Carolina Barreto, Tetra Tech



Carolina Barreto is a renewable energy professional with more than 12 years of international experience. Dr. Barreto is part of Tetra Tech's Clean Energy Team working on the identification, development, and implementation of renewable energy projects worldwide. She provided technical support for electricity grid backup systems in 33 health facilities in Haiti, providing backup from critical loads to entire facilities. The storage systems were charged by the grid, diesel generators and/or solar arrays providing solutions to grid reliance and resilience for disaster response. In Guyana, Dr. Barreto evaluated for 12 solar installations for rural health centers located in the Hinterlands where she inspected for code compliance, administered surveys to health workers, collected data health-energy impact, and worked with stakeholders on long term sustainability strategies. In Peru, She designed, installed, monitored and maintained more than 100 renewable energy systems in 86 villages in Ancash that addressed basic medical care including vaccine refrigeration and radio communication for remote health centers. Dr. Barreto provides technical due diligence and appraisals for the MCC Benin Power Compact off-grid component, a \$45.9M investment entailing critical infrastructure electrification including health centers. She is currently the Beyond the Grid advisor for Power Africa in Kenya. She has a Doctorate in Energy Engineering and a Masters in Solar Energy Engineering

Question and Answer Session

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

Questions



The slides and an audio recording of this Webinar will be made available following the webinar.

- Webinar recording, presentations, and information on upcoming and previously held webinars:
 - <https://cleanenergysolutions.org/training>
- Webinar recordings at the Clean Energy Solutions Center YouTube page:
 - <https://www.youtube.com/user/cleanenergypolicy>

Attendee Survey

How did we do?

Your feedback is important! Please complete the poll on your screen



Your Participation is Appreciated!

THANK YOU!

An audio recording of this Webinar will be made available following the webinar.

- Webinar recording, presentations, and information on upcoming and previously held webinars:
 - <https://cleanenergysolutions.org/training>
- Webinar recordings at the Clean Energy Solutions Center YouTube page:
 - <https://www.youtube.com/user/cleanenergypolicy>
- For more information on the “Ask-an-Expert” program:
 - <https://cleanenergysolutions.org/expert>