Performance Analysis with RETScreen

15 February 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 practices resources reviewed and selected by technical experts*

Agenda

1 Welcome & Introductory Remarks

2 Overview of the Clean Energy Solutions Center
  - **Stephanie Bechler,** National Renewable Energy Laboratory

3 Presentations
  - **Dinesh S. Parakh**, Program Advisor, RETScreen International
  - **Kevin Bourque**, Project Engineer, RETScreen International

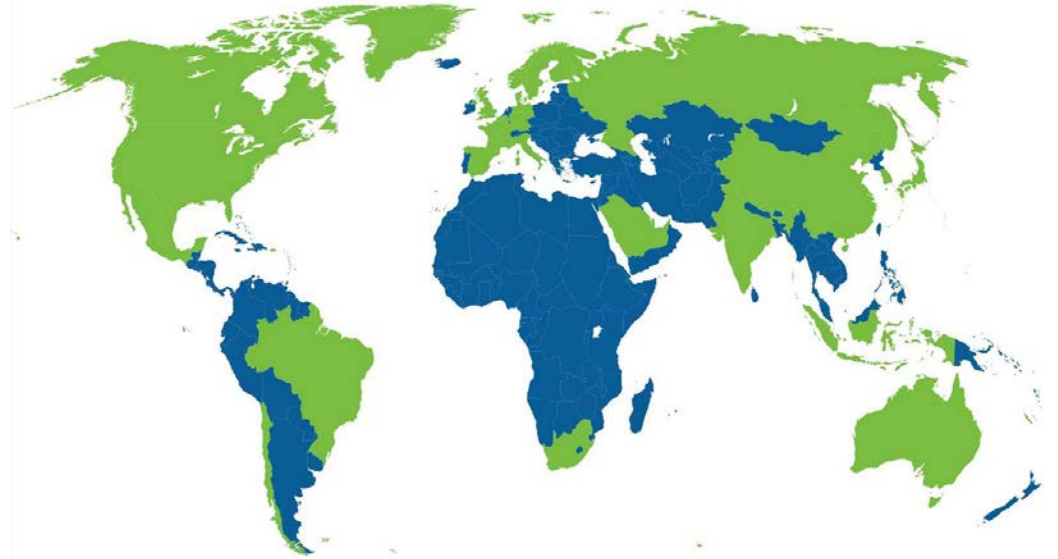**4** Question and Answer Session

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 CO_2 emissions

Clean Energy Ministerial: Initiatives

The Solutions Center:

- Is one of 9 CEM Initiatives, which include:
  - ✧ International Smart Grid Action Network
  - ✧ 21st Century Power Partnership
  - ✧ Global Lighting and Energy Access Partnership

Three Overarching Goals of CEM:

- Improve Energy Efficiency Worldwide
- Enhance Clean Energy Supply
- Expand Clean Energy Access

ENERGY DEMAND

Appliances

Energy Management

Electric Vehicles

ENERGY SYSTEMS & INTEGRATION

21st Century Power

Energy Access

Smart Grids

Sustainable Cities

CROSSCUTTING SUPPORT

Clean Energy Policy

Women in Clean Energy

ENERGY SUPPLY

Solar and Wind

Solutions Center: Background & Vision

The Solutions Center helps governments design and adopt policies and programs that support the deployment of clean energy technologies.

Led by Australia, Sweden, and United States, with in-kind support from Canada and Mexico.

Solutions Center: Goals and Audience

Goals

- **Serve** as a principal clearinghouse of clean energy policy and program resources
- **Share** clean energy policy best practices, data, and analysis tools across countries and economies
- **Deliver** dynamic, customized services that enable expert assistance, learning, and knowledge sharing
- **Foster** dialogue on emerging policy issues and innovation across the globe
- **Serve** as a primary resource for project financing options and information to expand markets for clean energy

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

- IRENA

- IEA

- Sustainable Energy for All (SE4ALL)

- Bloomberg New Energy Finance

- United Nations Environment Programme (UNEP)

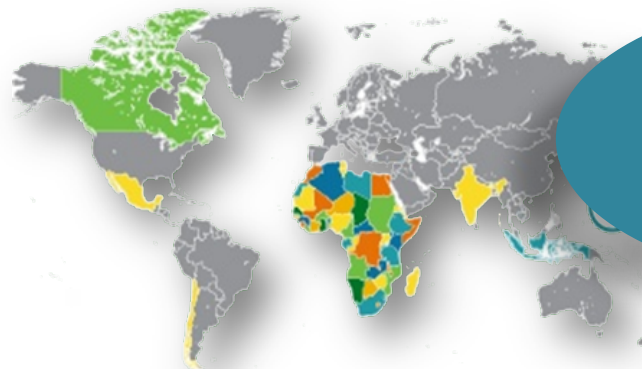- ECOWAS Center for Renewable Energy and Energy Efficiency

- Power Africa

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

- Energy Access
- Energy Efficiency
- Renewable Energy
- Smart Grid
- Transportation
- Utilities

Responded to more than 300 requests from over 90 countries.

Go to <ins>https://cleanenergysolutions.org/expert</ins> to submit a request!

Dinesh S. Parakh, Program Advisor, RETScreen International

Dinesh S. Parakh manages strategic partnerships, communications, business development, and training & capacity building for RETScreen International at Natural Resources Canada's CanmetENERGY research centre in Varennes, Quebec. He is also the lead author of the RETScreen Clean Energy Legal Toolkit and the RETScreen Clean Energy Policy Toolkit. A lawyer in Ontario, Dinesh has worked in international development since 1999 with extensive experience throughout Africa. He was formerly with the United Nations Development Programme and World Food Programme in South Africa, as well as the Canadian International Development Agency in Ottawa, Canada. Dinesh holds a B.A. from Yale University, and an M.A. and J.D. from the University of Toronto.

Kevin Bourque, Project Engineer, RETScreen International

Kevin Bourque is part of the development team of the RETScreen Clean Energy Management Software at Natural Resources Canada's CanmetENERGY research centre in Varennes, Quebec. He specializes in RETScreen software development (including the development of power, industrial, commercial, institutional and residential archetypes), providing RETScreen software technical support (including delivering training seminars and train-the-trainer workshops) and developing online distance learning tools such as the e-Textbook and case studies. Prior to joining NRCan, Kevin worked as a wind energy consultant specializing in the assessment, computer modelling and performance analysis of wind energy systems. He has been working in the energy field since 1999. Kevin obtained a Bachelor of Engineering degree (Mining Engineering) from McGill University.

Question and Answer Session

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THANK YOU!

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For more information on the **"Ask-an-Expert"** program:

https://cleanenergysolutions.org/expert