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Clean Energy Ministerial 2 (CEM2)

6–7 April 2011, Abu Dhabi, UAE

Policies in Support of the Global Scale-Up of Renewable Energy

8:30 am–10:15 am**6 April 2011**

Overview

Renewable energy capacity has nearly doubled over the past five years from 160 GW in 2004 to 305 GW in 2009 (excluding large hydropower), due in large part to supportive policies. As of 2010, more than 100 countries had targets and/or incentives for renewable energy (up from 55 in 2005). But despite this momentum, the business case for renewable energy remains challenging, as upfront capital costs at both utility and residential scales can be prohibitive without strong policy support. And where renewable energy is deploying successfully, integrating intermittent renewables into power grids will become increasingly challenging as their market share grows.

Discussion Topics

This roundtable will focus on three interconnected topics: (a) learning from leading renewables policy success stories; (b) technology developments and future prospects to place renewables at the heart of national energy strategies; and (c) how international collaboration through the Clean Energy Ministerial (CEM) platform can best accelerate ambitious national renewables development.

Key questions to consider in addressing these three topics include:

- How can CEM Ministers support the continued scale-up of renewables when many governments are facing increasingly sharp fiscal constraints?
- What share of electricity can intermittent renewables deliver given current technologies? What is the role of policy in supporting rapid deployment in the near-term? What is the role of R&D to enable high-penetration scenarios in the longer-term?
- Given limits on the private sector's willingness to invest in long-term transformative technologies, how do current public R&D investments by CEM governments match up against the areas of greatest need?
- What is the role for renewable energy in emerging economies given high current costs relative to other grid-connected alternatives? Can renewable energy truly scale in off-grid energy access applications where they are already often cost-competitive?
- How can CEM Ministers cooperate with each other and the private sector to advance renewables? For example, would better information on national and sub-national deployment policies help global manufacturers plan for scale-up?

Format

The session aims to bring a specific subject area into focus in an interactive setting. There are no speeches, but rather a moderated conversation in which all participants are encouraged to share their views. This will be a private discussion held under the Chatham House Rule.

¹ "Renewables Global Status Report 2010," Renewable Energy Policy Network for the 21st Century (REN21), September 2010. Available at:

http://www.ren21.net/Portals/97/documents/GSR/REN21_GSR_2010_full_revised%20Sept2010.pdf.

² *Ibid.*

Objective

The objective for the discussion is to identify a small number of specific recommendations for action, which will be communicated to the Ministers, as to how their governments can support the global scale-up of renewable energy, particularly through cooperation in the CEM context.

Guidelines For All Participants

- Follow the direction of the moderator in terms of session format, speaking order, and time management
- Approach the topic informally and conversationally (no prepared presentations)
- Keep comments concise (maximum of 1–2 minutes per intervention)

Session Structure And Flow

08:30–08:35 Opening Remarks from Moderator

Moderator welcomes co-chairs

08:35–09:00 Emerging Economies and Renewable Energy

Open discussion with lead-off comments by:

- Dipuo Peters, Minister, Department of Energy, South Africa
- Tulsi Tanti, Chairman and Managing Director, Suzlon

09:00–09:25 Key Lessons from Success Stories

Open discussion with lead-off comments by:

- Fabricio Hernández; Secretary of State for Energy; Ministry of Industry, Tourism, and Commerce; Spain
- Lykke Friis, Minister, Ministry of Climate and Energy, Denmark

09:25–09:50 Prospects for the Massive Scale-Up of Renewable Energy

Open discussion with lead-off comments by:

- Anders Eldrup, CEO, DONG Energy
- Paolo Frankl, Head of Renewable Energy Division, International Energy Agency

09:50–10:10 Opportunities for Cooperation among CEM Governments and with the Private Sector

Open discussion with lead-off comments by:

- Adnan Amin, Interim Director General, International Renewable Energy Agency

10:10–10:15 Moderator summarizes main messages and thanks participants to close session

Moderator

Simon Zadek, Senior Fellow, Global Green Growth Institute; Non-Resident Senior Fellow, J. F. Kennedy School for Government, Harvard University

Co-Chairs

Anders Eldrup, CEO, DONG Energy

Lykke Friis, Minister, Ministry of Climate and Energy, Denmark

Fabricio Hernández; Secretary of State for Energy; Ministry of Industry, Tourism, and Commerce, Spain

Dipuo Peters, Minister, Department of Energy, South Africa

Tulsi Tanti, Chairman and Managing Director, Suzlon

Participants

Eli Aamot, Vice President R&D NEW Energy and HSE, Statoil

Adnan Amin, Interim Director General, International Renewable Energy Agency

Miguel Arrarás, Managing Director Solar PV Development, Acciona

Henri Backman, Ministerial Advisor, Ministry of Employment and the Economy, Finland

German Bejarano, Director of International Institutional Relations & Assistant to the CEO, Abengoa

Alex Bettencourt, Managing Director, SmartGrid Canada

Christopher Burghardt, Vice President Public Affairs EMEA, First Solar

Willie Donaghy, Executive Director, SmartGridIreland

Paolo Frankl, Head of Renewable Energy Division, International Energy Agency

Esa Harmala, Director General, Energy Department, Ministry of Employment and the Economy, Finland

Per Rune Henriksen, State Secretary, Ministry of Petroleum and Energy, Norway

Martin Hoffman; Deputy Secretary; Department of Resources, Energy, and Tourism; Australia

Lars Josefsson, President, EURELECTRIC; Former CEO, Vattenfall

Daniel Kammen, Chief Technical Specialist for Renewable Energy and Energy Efficiency, The World Bank

Namhoon Kang, Director General for Energy Policy, Ministry of Knowledge Economy, Korea

Alex Katon, Head of Strategy – International Power, GDF Suez Energy Middle East & North Africa

Helen Mountford, Deputy Director of the Environment Directorate, Organisation for Economic Co-operation and Development

Mary O’Kane, Chair, Australian Centre for Renewable Energy

Jeremy Oppenheim, Director, McKinsey

Gene Rodrigues, Director, Customer Energy Efficiency and Solar, Southern California Edison; Chair, Consortium for Energy Efficiency

Iñigo Sabater; Vice President for Government Relations South Europe, Middle East, and Africa; Vestas Mediterranean

Gus Schellekens, Director, Sustainability and Climate Change Team, PricewaterhouseCoopers

Ashok Sethi, Vice President, The Tata Power Company Ltd.

Song Dengyuan, Chief Technology Officer, Yingli Group

Marc Spitzer, Commissioner, Federal Energy Regulatory Commission

Sun Haiyan, Vice President, ChangZhou Trina Solar Energy Co.

Graeme Sweeney, Executive Vice President, CO2, Shell CO2, Shell International Petroleum Company Limited

Wan Gang, Minister, Ministry of Science and Technology, China

Frank Wouters, Director, Masdar Power

Zhang Zhihong, Deputy Director General, Department of High and New Technology Development and Industrialization, Ministry of Science and Technology, China

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