

AGENDA

GLOBAL WORKSHOP ON CLEAN ENERGY DEVELOPMENT: Establishing a Foundation for Low Carbon Energy Systems

December 1 - 8, 2012
Washington, DC

Managed by
UNITED STATES ENERGY ASSOCIATION (USEA)

Funded by
THE U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)

U.S. Energy Association/Energy Utility Partnership Program, 1300 Pennsylvania Avenue, NW Suite 550, Washington, DC 20004-3022

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Overview

The Global Workshop on Clean Energy Development will focus on how developing countries can integrate low carbon generation resources into their systems given financial constraints. This activity will be a four and a half day workshop including site visits. Participants will gain understanding of the integrated resource planning process used by electric utilities to plan supply and demand resources to meet future capacity needs for their customers. In particular, they will look at the following low carbon generation options: renewable energy, energy efficiency, energy conservation and demand side management. This workshop will assist participants in formulating plans to address the growing demand for energy services while meeting the ever stringent financial, environmental and reliability requirements.

This program is targeted toward energy policy makers, utilities and regulators. They will meet with their U.S. peers and experts from utilities and other energy organizations to learn policies and techniques for the planning and implementation of low carbon generation. The site visits will allow the participants to observe the methodologies and technologies discussed during the workshop.

Participating Organizations

Baltimore Gas & Electric
CLASP
Edison Electric Institute
Export-Import Bank of the United States
ICF International
Johns Hopkins University School of Advanced International Studies (SAIS)
Kilpatrick Townsend & Stockton, LLP
Maryland Energy Administration
Metropolitan Washington Council of Governments
PEPCO
Rappahannock Regional Solid Waste Management Board
The Cadmus Group
United Nations Foundation
U.S. Agency for International Development
Wellford Energy Group

PARTICIPANTS**COLOMBIA**

Ms. Evelyn Schottlaender Epelboim
International Cooperation Advisor for the Dir.
IPSE

Ms. Fanny Paola Gomez Castillo
Consultant of Climate Change
Management and Engineering Technologies
International (METI)

DOMINICAN REPUBLIC

Mr. Julian Desprade
Coordinator Renewable Energies
Comision Nacional de Energie (CNE)

EL SALVADOR

Mr. Orlando Altamirano
Regional Energy/Environment Spec.
USAID/El Salvador

GHANA

Mr. Julius Kwame Kpekpena
Director of Engineering
Electricity Company of Ghana, Ltd.
Electro-Volta House

INDONESIA

Mr. Edi Sartono
Directorate of Energy Conservation
DG New, Renewable Energy and Energy
Conservation.
Ministry of Energy and Mineral Resources

Mr. Zulher Bin Usman Yahya
Riau Province Head of Plantation Office, Ministry of
Agriculture

Mrs. Aurelia Micko
Deputy Director, Environment Office
USAID/Indonesia

MEXICO

Norma Álvarez Girard
Directora de Área
Dirección General de Electricidad y Energías
Renovables
Comisión Reguladora de Energía

Ms. Hilda Garza Villareal
Jefe de Departamento
Dirección General de Electricidad y Energías
Renovables
Comisión Reguladora de Energía

SOUTH AFRICA

Mr. Elijah Chizamusoka Sichone
Executive Secretary
Regional Energy Regulator of Southern Africa (RERA)

Saturday, December 1, 2012

Delegates arrive from their respective countries and check into the hotel.

Hotel: Washington Plaza Hotel
10 Thomas Circle Northwest,
Washington, DC 20005-4106
Ph: +1 202-842-1300

Sunday, December 2, 2012

Executive time

Monday, December 3, 2012

- 8:00 am **Pick up delegates at hotel and escort them to USEA**
Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550,
Washington, DC
- 8:30 am **WELCOME AND OPENING REMARKS AND PARTICIPANT INTRODUCTIONS**
JOHN HAMMOND, PROGRAM MANAGER, USEA
- 8:50 am **WELCOME REMARKS BY UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)**
KRISTEN MADLER, CLEAN ENERGY COORDINATOR, ENERGY TEAM, USAID/E3
- 9:00 am **THE UTILITY OF THE FUTURE**
ALLEN EISENDRATH, ENERGY TEAM LEADER, USAID/E3
- 9:20 am **Keynote Presentation: GLOBAL OVERVIEW OF CLEAN ENERGY DEVELOPMENT**
ANANTH CHIKKATUR, PH.D., MANAGER, ICF INTERNATIONAL
- Market trends – technology deployment and cost across different regions
 - Incentives and barriers to entry
 - Role of utilities, developers, policymakers and regulators
- 10:15 am **Break**
- 10:30 am **FINANCING STRATEGIES FOR CLEAN ENERGY DEVELOPMENT**
CRAIG O'CONNOR, DIRECTOR, OFFICE OF RENEWABLE ENERGY AND ENVIRONMENTAL EXPORTS, EXPORT-
IMPORT BANK OF THE UNITED STATES
ELIAS HINCKLEY, CLEAN ENERGY PRACTICE CHAIR, KILPATRICK TOWNSEND & STOCKTON LLP
BRET LOGUE, MANAGING DIRECTOR, WELLFORD ENERGY GROUP
- Financing options
 - Barriers to investment
- 12:30 pm **Working Lunch**

- 1:30 pm **STATE RENEWABLE ENERGY INCENTIVE PROGRAMS: U.S. EXPERIENCE**
KYLE HAAS, CLEAN ENERGY MANAGER, MARYLAND ENERGY ADMINISTRATION
JEFF KING, METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
- Existing and proposed State policies and incentives to promote low carbon generation
 - Barriers to implementation
 - Case studies – specific examples
- 2:45 pm **Break**
- 3:00 pm **INTEGRATING RENEWABLE ENERGY AND INTERCONNECTION CONSIDERATIONS**
CHRIS HARGETT, MANAGER, FEDERAL REGULATORY AFFAIRS, EDISON ELECTRIC INSTITUTE
- Federal and state policies
 - Case studies
- 4:30 pm **Discussion of Country Action Plan Exercise**
- 5:00 pm **Adjourn**
- 6:30 pm **Welcome Dinner hosted by USEA**
Location: Indique Heights Restaurant, 2 Wisconsin Circle, Chevy Chase, MD

Tuesday, December 4, 2012

- 8:00 am **Pick up delegates at hotel and escort them to USEA**
Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550,
Washington, DC
- 8:15 am **ACTION PLAN DEVELOPMENT TIME – 1ST MEETING**
- 9:00 am **UTILITY CLEAN ENERGY DEVELOPMENT STRATEGIES**
STEVE STEFFEL, P.E. MANAGER, DISTRIBUTED ENERGY RESOURCES PLANNING AND ANALYTICS, PEPCO
HOLDINGS, INC.
- 9:40 am **Utility Energy Efficiency Programs**
RUTH KISELWICH, DIRECTOR, DEMAND SIDE MANAGEMENT PROGRAM, BALTIMORE GAS AND ELECTRIC CO.
- Drivers for utility energy efficiency programs
 - U.S. experience with utility energy efficiency
 - Consumer awareness and acceptance
- 10:45 am **Break**
- 11:00 am **ENERGY EFFICIENCY CODES AND STANDARDS**
VICKY KIECHEL, THE CADMUS GROUP

- Appliance labeling
- Minimum requirements for appliances and electrical equipment
- Building codes

12:30 pm **Working Lunch and Departure for Site Visit**

1:15 pm **SITE VISIT: Home Depot**
6003 Oxon Hill Road, Oxon Hill, MD 20745
(301) 839-9600

4:30 pm **Adjourn and return to hotel**

Wednesday, December 5, 2012

8:00 am **Pick up delegates at hotel and escort them to USEA**
Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550,
Washington, DC

8:15am **ACTION PLAN DEVELOPMENT TIME – 2ND MEETING**

9:00 am **PUBLIC BRIEFING: CLEAN ENERGY PROGRAMS IN PARTICIPATING DEVELOPING COUNTRIES**
Individual country presentation of ten to fifteen minutes on their country's generation capacity plans and low carbon generation plans.

Topics:

- Snapshot of the country's energy sector
- Renewable energy programs
- Energy efficiency and conservation
- Incentives and policies

1:30 pm **Working Lunch**

2:30 pm **Rural Electrification Policies and Technologies for Clean Energy Development**
Junhui Wu, World Bank (Retired)

4:00 pm **Adjourn**

Thursday, December 6, 2012

8:00 am **Pick up delegates at hotel and escort them to USEA**
Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550,
Washington, DC

- 8:15 am **ACTION PLAN DEVELOPMENT TIME – 3RD MEETING**
- 9:00 am **OFF-GRID APPROACHES TO CLEAN ENERGY DEVELOPMENT**
JESSICA LEWIS, JOHNS HOPKINS UNIVERSITY SCHOOL OF ADVANCED INTERNATIONAL STUDIES (SAIS)
TRIPTA SINGH, DEPUTY DIRECTOR, ENERGY ACCESS INITIATIVE, U.N. FOUNDATION
- 11:30 am **Working Lunch and Depart for Site Visit**
- 12:30 am **SITE VISIT - RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD**

The Rappahannock County Regional Landfill, located on Eskimo Hill Road in Stafford, VA began producing renewable energy from landfill gas on September 17, 2008. Landfill gas is created deep within landfills through the decomposition of waste. It is constituted of approximately 50% methane and classified as a greenhouse gas. Most landfills extract landfill gas through wells and pipes buried in the landfill and burn it through flaring. However, the Rappahannock landfill diverts the gas from the flare to the landfill gas plant, which is equipped with two specialized GE Jenbacher engines designed to burn landfill gas. The facility can generate 2.14 megawatts of renewable energy- enough to power more than 1,300 homes a day.

- 5:00 pm **Informal Dinner**

Friday, December 7, 2012

- 8:15 am **Pick up delegates at hotel and escort them to USEA**
Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550,
 Washington, DC
- 8:30 am **FINALIZE ACTION PLAN & PRESENTATIONS**
- 9:30 am **PRESENT ACTION PLANS**
- 12:30 pm **Working Lunch**

Saturday, December 8, 2012

Delegates return to their respective countries