

AGENDA FOR THE

GLOBAL ENERGY EFFICIENCY WORKSHOP

March 6 - 13, 2010
Washington, DC

Managed by
UNITED STATES ENERGY ASSOCIATION (USEA)

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

As of March 9, 2010



USAID
FROM THE AMERICAN PEOPLE

USEA
United States Energy Association

Overview

The objective is to inform and motivate leaders in business, government, and utilities, and the public and private sectors in USAID-assisted countries to implement energy efficiency, energy conservation, and demand-side management programs in their countries. This activity will be a four and a half day workshop including site visits that will assist the participants in understanding the role of energy efficiency, energy conservation, and demand-side management tools to meet the growing demand for energy services while meeting the ever stringent financial, environmental and reliability requirements.

This program is targeted for energy policy makers, utilities, businesses, regulators, and consumer representatives. 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 program and services that help and encourage customers to use electricity as efficiently as possible. The site visits will allow the participants to observe the methodologies and technologies discussed during the workshop.

Participants will each create an Energy Efficiency Action Plan for their countries that include recommendations for policymakers, their own organizations, utilities, and utility regulators for actions to accelerate the deployment of energy efficiency programs in their home countries. The objectives of the Action Plans are as follows:

- To recommend actions for implementing energy efficiency, energy conservation, and demand-side management programs for the participant's country.
- To create a set of specialized recommendations that will best motivate consumers, businesses, government, and utilities to implement or improve energy efficiency programs.

Foreign Participants

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Participating Organizations

Alliance to Save Energy – www.ase.org

American Council for an Energy-Efficient Economy (ACEEE) – www.aceee.org

Collaborative Labeling and Appliance Standards Program (CLASP) – www.clasponline.org

Current Group – <http://www.currentgroup.com>

Energy Sector Management Assistance Program (ESMAP), The World Bank – www.esmap.org

GE – www.ge.com

ICF International – <http://www.icfi.com>

Johnson Controls – www.johnsoncontrols.com

National Association of Energy Services Companies (NAESCO) – www.naesco.org

National Grid – www.nationalgridus.com

PA Consulting Group – www.paconsulting.com

The Cadmus Group – www.cadmusgroup.com

U.S. Department of Energy (U.S. DOE) – www.energy.gov

U.S. Department of Defense (U.S. DOD) – www.defense.gov

U.S. Environmental Protection Agency (U.S. EPA) – www.epa.gov

U.S. Green Building Council – www.usgbc.org

Saturday, March 6, 2010

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

Hotel: J.W. Marriott
1331 Pennsylvania Avenue, NW
Washington, DC 20004
Phone: 1-202-393-2000
Fax: 1-202-626-6991

Sunday, March 7, 2010

Executive time

Monday, March 8, 2010

- 8:30 am **Pick up delegates at hotel and escort them to USEA**
Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550, Washington, DC
- 9:00 am **Welcome and Opening Remarks and Participant Introductions**
Presenter: *John Hammond, Program Manager, U.S. Energy Association (USEA)*
- 9:10 am **Introduction of USAID Energy Efficiency Programs**
United States Agency for International Development
Presenter: *Allen Eisendrath, Energy Team Leader, Office of Infrastructure and Engineering, USAID*
- 9:30 am **Keynote Presentation: Overview of U.S. Energy Efficiency Experience and Future Directions**
Presenter: *Kateri Callahan, President, Alliance to Save Energy*
- 10:30 am *Break*
- 10:45 am **Policy, Incentives & Regulation for the Promotion of Energy Efficiency and Demand-Side Management (DSM) Applications: Federal and State Perspectives**
Presenters: *Lawrence Reilly, former Vice President of Regulatory Affairs, National Grid*
Maria Vargas, US Environmental Protection Agency (EPA)
Moderator: *John Hammond, Program Manager, USEA*
- Topics:**
- Value provided by investments in energy efficiency
 - Barriers to implementation
 - Regulatory framework to overcome barriers and promote large-scale adoption of energy efficiency measures

- Revenue decoupling
- Shareholder incentives
- Cost recovery options
- Market based program for greater energy efficiency: Energy Star

12:30 pm *Lunch*

1:30 pm

Utility Efforts to Promote Energy Efficiency/Conservation and DSM

Detailed description of utility energy efficiency/conservation and DSM

Presenters: **Laura Furrey**, *American Council for an Energy-Efficient Economy (ACEEE)*
Lawrence Reilly, *former Vice President of Regulatory Affairs, National Grid*
Bonnie Brandreth, *Director of Energy Efficiency Evaluation Services, PA Consulting Group*

Moderator: **Tricia Williams**, *Senior Program Coordinator, USEA*

Topics:

- Energy efficiency programs implemented by National Grid in Massachusetts
- Savings targets and annual budgets
- Types of energy efficiency programs offered
- Role of the regulator in approving programs
- Customer rebates versus monitoring and evaluation costs
- Verification methodology

3:00 pm *Break*

3:15 pm

Public Briefing: Energy Efficiency and DSM Programs Overseas

Individual country presentation of ten to fifteen minutes; one presentation per country

Moderator: **Marjorie Jean-Pierre**, *Deputy Program Manager, USEA*

5:00 pm *Adjourn*

6:45 pm Depart the hotel for dinner

6:30 Dinner hosted by PA Consulting Group

Tuesday, March 9, 2010

8:30 am

Pick up delegates at hotel and escort them to USEA

Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550, Washington, DC

8:45 am

Energy Efficiency Action Plan Development Time

9:30 am **Greening the Supply Chain: Industrial Efforts in Energy Efficiency/Conservation**
Presenters: **Joseph E. Turk**, *Director, Energy & Sustainability Consulting Services*
Building Efficiency - Energy, Johnson Controls
Jeffrey Ruebesam, *Global Environment, Health & Safety Manager, GE*
Power & Water

Moderator: **Tricia Williams**, *Senior Program Coordinator, USEA*

Topics:

- Working with suppliers and transportation vendors
- Market trends (green products, customer expectations/prequalification criteria)
- Process efficiency
- Increasing competitiveness

10:45 am *Break*

11:00 am **Energy Efficiency in the Distribution System**
Presenters: **Asim Hussain**, *Director in Business Solutions, CURRENT Group*
Jim Hogan, *Managing Consultant, PA Consulting Group*

Respondent: **Lawrence Reilly**, *former Vice President of Regulatory Affairs,*
National Grid

Moderator: **Tricia Williams**, *Senior Program Coordinator, USEA*

Topics:

- Efficiency opportunity in the distribution system, from the substation to the meter at the premise
- Technical loss reduction
- Load management through Dynamic Voltage Optimization
- Measurement and verification of results
- Enabling technical solutions
- Other benefits such as reducing theft and enabling the integration of renewables
- Smart Grid

12:30 pm *Lunch*

1:30 pm **Technology Overview: Buildings**
Presenters: **Derek Supple**, *Johnson Controls*
Marc LaFrance, *Technology Development Manager, Office of Building*
Technology, Office of Energy Efficiency and Renewable Energy,
U.S. Department of Energy

Moderator: **Jason Hancock**, *Senior Program Coordinator, USEA*

Topics:

- HVAC

- Building standards
- Architectural designs
- Building envelope technologies

2:45 pm *Break*

3:00 pm **Technology Overview: Lighting and Appliances**

Presenters: **Paul Vrabel**, *Project Manager, ICF International*
Susan Komornik, *Senior Associate, The Cadmus Group*

Moderator: **Jason Hancock**, *Senior Program Coordinator, USEA*

Topics:

- Different lighting technologies– LED, CFLs, High-Intensity Discharge, T5
- Cost effectiveness
- Policy and utility actions to move markets forward
- Energy efficiency appliances
- Energy Star program

5:00 pm **Questions and Final Remarks**

Wednesday, March 10, 2010

8:30 am **Pick up delegates at hotel and escort them to USEA**

Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550, Washington, DC

8:45 am **Energy Efficiency Action Plan Development Time**

9:30 am **Financing Energy Efficiency in Developing Countries – Lessons Learned and Remaining Challenges**

Presenters: **Jas Singh**, *Senior Energy Efficiency Specialist, The World Bank, ESMAF*

Moderator: **Marjorie Jean-Pierre**, *Deputy Program Manager, USEA*

Topics:

- Barriers to energy efficiency investments
- Energy efficiency financial approaches
- Energy efficiency program models
- Market transformation
- Subsidy/grant mechanisms

10:30 am *Break*

- 10:45 am **Financing Energy Efficiency: The Energy Service Company (ESCO) Approach**
Presenter: **Nina Kogan Lockhart**, *National Association of Energy Services Companies (NAESCO)*
- Moderator:** **Marjorie Jean-Pierre**, *Deputy Program Manager, USEA*
- Topics:**
- Overview of the ESCO industry in the U.S.
 - Key issues in performance contracting
 - ESCO market drivers
 - Project examples
 - Contractual issues
 - Shared savings
- 11:45 am **Government Energy Efficiency and DSM Programs**
Presenters: **Chris Tindal**, *Deputy Director for Renewable Energy of the Naval Energy Office, U.S. Department of Defense (DOD)*
- Moderator:** **Marjorie Jean-Pierre**, *Deputy Program Manager, USEA*
- Topics:**
- Energy Efficiency in government facilities
 - Procurement practices
- 12:30 pm *Lunch*
- 1:30 pm **Marketing Energy Efficiency Programs: ENERGY STAR, Utilities and Energy Efficiency**
Presenter: **Carol Mulholland**, *Principal, The Cadmus Group*
- Moderator:** **Tricia Williams**, *Senior Program Coordinator, USEA*
- Topics:**
- Informational materials
 - Public announcements
 - Training
 - Emergency assistance
- 4:00 pm *Break*
- 4:15 pm **Energy Efficiency Standards and Labeling: Collaborative Labeling and Appliance Standards Program (CLASP)**
Presenter: **Christopher Wold**, *Program Assistant, Collaborative Labeling and Appliance Standards Program (CLASP)*
- Moderator:** **Tricia Williams**, *Senior Program Coordinator, USEA*

Topics:

- Best practices in energy-efficient standards and labeling (S&L) policies
- Residential, commercial, and industrial equipment and lighting

Thursday, March 11, 2010

- 8:30 am **Pick up delegates at hotel and escort them to USEA**
Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550, Washington, DC
- 9:00 am **Energy Efficiency Action Plan Development Time**
- 10:45 am Depart USEA for site visit to Sidwell Friends
- 11:45 am **Site visit: Sidwell Friends Middle School**
Location: 3825 Wisconsin Avenue, Washington, DC
The Sidwell Friends Middle School Building was completed in September 2006, and was awarded a LEED Platinum rating in March 2007. It is the first K-12 school in the United States to have a LEED Platinum rating and the first LEED Platinum building in the District of Columbia.
- 1:00 pm *Lunch*
- 2:00 pm **Site visit: U.S. Green Building Council Platinum LEED Headquarters**
Location: 2101 L Street, NW, Washington, DC

Leadership in Energy & Environmental Design (LEED) is an internationally recognized green building certification system. It provides third-party verification that a building or community was designed and built using strategies aimed at improving performance across all the metrics that matter most.
- 4:15 pm **Site visit: Home Improvement Retailer (Major retail seller of energy efficient appliances and building supplies)**
- 6:30 pm **Dinner**
Hosted by The Cadmus Group
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Friday, March 12, 2010

- 8:30 am **Pick up delegates at hotel and escort them to USEA**
Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550, Washington, DC
- 9:00 am **Finalize and Present Energy Efficiency Action Plans**
Location: USEA Conference Room C, 1300 Pennsylvania Avenue, NW, Suite 550, Washington, DC
- 12:00 pm Lunch
- 1:00 pm **Wrap-Up and Program Evaluations**

Saturday, March 13, 2010

Delegates return to their respective countries