

**AGENDA FOR THE
EXECUTIVE PEER EXCHANGE ON ENERGY EFFICIENCY AND
EMPLOYEE TRAINING PROGRAMS
WITH
SACRAMENTO MUNICIPAL UTILITY DISTRICT
AND
TACOMA POWER**

SACRAMENTO, CALIFORNIA AND TACOMA, WASHINGTON

MAY 8-17, 2010

**CONDUCTED BY THE
UNITED STATES ENERGY ASSOCIATION**

**FUNDED BY THE
UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT**



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FROM THE AMERICAN PEOPLE

USEA
United States Energy Association

Program Objectives

- Introducing and helping with transfer of U.S. utility best practices to promote consumer energy efficiency and energy conservation, energy load management through demand side management and renewable energy technologies.
- Help Jordanian distribution utilities to create training programs for staff and management that include clear promotion tracks.

Anticipated Outcomes

To gain knowledge and documentation on the following:

- Promotion of energy efficiency and conservation;
- Employee training programs and promotion paths.

Jordanian Delegation

Irbid District Electricity Co. Ltd.

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United States Energy Association

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U.S. Participants

Sacramento Municipal Utility District (<http://www.smud.org/en/Pages/index.aspx>)
Tacoma Power (<http://www.mytpu.org/tacomapower/Default.htm>)

JEPCO (<http://www.jepco.com.jo>)

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KEC

Jamal Al Arja
Technical and Regulatory Director
Email: jsa@kec.jo

Saturday, May 8, 2010

- 11:40 am** Depart Amman on American Airlines Flight 8703 (Operated by Royal Jordanian), arriving in Chicago O'Hare International Airport at 5:05 pm
- 8:35 pm** Depart Chicago on U.S. Airways Flight 6389 arriving in Sacramento at 11:20 pm
Meet Jason Hancock at baggage claim and proceed to hotel

Hotel:**Sacramento Marriott Rancho Cordova**

11211 Point East Drive

Rancho Cordova, California 95742

Phone: 1-916-638-1100

Fax: 1-916-638-5803

Sunday, May 9, 2010

Executive Time**Monday, May 10, 2010**

- 8:45 am** Depart hotel for SMUD
- 9:15 am** Introductions
- 9:30 am** **Energy Efficiency in the Distribution System**
- Efficiency opportunities 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
- 10:45 am** **Tea Break**
- 11:00 am** **Overview of SMUD training programs**
- Technical/engineering staff
 - IT
 - Customer service
 - Management

12:30 pm *Lunch*

1:30 pm **Lineman and field employee (repair and operations) training**

- Academic classes (personal protection equipment, procedures, electrical system overviews, transformers, underground, rescues, CPR, high voltage safety, grounding etc.)
- Field training
- Simulations
- Career paths/advancement
- Testing/certifications

Tuesday, May 11, 2010

9:00 am **Depart hotel for SMUD**

9:30 am **Residential energy efficiency programs**

- Lighting
- Weatherization
- Appliances

10:30 am *Tea break*

10:45 am **Commercial energy efficiency programs**

- Energy audits
- Lighting
- Program financing

12:15 pm **Lunch**

1:00 pm **IT training programs**

2:30 pm **Site visit to training facility or sit in on training session**

Wednesday, May 12, 2010

- 8:45 am** **Check out of hotel and depart for SMUD**
- 9:30 am** **Industrial energy efficiency programs**
- Energy audits
 - Lighting
 - Program financing
- 10:30 am** ***Tea break***
- 10:45 am** **Customer service training programs**
- 12:15 pm** ***Lunch***
- 1:15 pm** **Management training programs**
- 3:00 pm** **Wrap up discussion**
- 4:00 pm** **Depart SMUD for airport**
- 6:55 pm** **Depart Sacramento on Alaska Airlines Flight 369, arriving in Seattle, Washington at 8:40 pm**

Hotel:

Renaissance Seattle Hotel
515 Madison Street
Seattle, Washington 98104
Phone: 1-206-583-0300
Fax: 1-206-447-0992

Thursday, May 13, 2010

- 8:00 am** **Depart hotel for Tacoma Power**
- 9:00 am** **Introductions – Tacoma Power Overview**
- 9:30 am** **Meet Tacoma Power Superintendent**
- 10:00 am** **Overview of Training**
- Technical/engineering staff
 - IT
 - Customer service
 - Management
- 11:00 am** **Overview of Field Training/JATC**
- 12:15 pm** ***Lunch (in)***
- 1:15 pm** **Simulator Room**
- 2:15 pm** ***Break***
- 2:30 pm** **Southwest Training Facility**
- 4:00 pm** **Wrap up**

Friday, May 14, 2010

8:00 am **Depart hotel for Tacoma Power**

9:00 am **Energy Efficiency Programs at Tacoma Power**

- Residential
- Commercial
- Industrial

12:00 pm **Lunch (in)**

1:00 pm **Utility Efforts to Promote Energy Efficiency/Conservation and DSM**

Detailed description of utility energy efficiency/conservation and DSM

- Savings targets and annual budgets
- Customer rebate versus monitoring and evaluation costs
- Verification methodology

2:15 pm **Break**

2:30 pm **Energy Efficiency in the Distribution System**

- 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

4:00 pm **Wrap up discussion**

Saturday, May 15, 2010

8:00 am Check out of hotel and depart for Seattle Tacoma International Airport

11:23 am Depart Seattle on U.S. Airways Flight 6874 arriving in Chicago O'Hare International Airport at 5:20 pm

9:00 pm Depart Chicago O'Hare on U.S. Airways Flight 8740 (operated by Royal Jordanian) Arriving Amman at 5:00 pm on Sunday, May 16, 2010