



SARI / Energy

South Asia Regional Initiative for Energy (SARI/Energy)

SOUTH ASIA WOMEN IN ENERGY (SAWIE) EXECUTIVE EXCHANGE

EFFICIENT ENERGY MANAGEMENT AND RENEWABLE ENERGY

**May 12 – 20, 2009
Washington, D.C.**

ORGANIZED BY



LODGING

Capital Hilton

1001 16th Street NW (corner of 16th & K streets), Washington, District of Columbia 20036

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U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT

Mr. Srinivasan Padmanaban

Director of SARI/Energy

USAID/India

Ms. Mercy K. Thomas

Regional Project Coordinator South Asia

Regional Initiative/Energy

USAID/India

Tuesday, May 12, 2009 (Location: U.S. Energy Association offices – 1300 Penn. Ave., NW)

- 8:30 Delegates meet USEA representative in hotel lobby for travel to USEA
- 9:00 – 9:05 **Welcome**
Mr. Barry Worthington, Executive Director, U.S. Energy Association
- 9:05 – 9:30 **Opening Remarks and Overview on USAID/SARI/Energy Program – Expectations from the Executive Exchange**
Mr. S. Padmanaban, Regional Director, SARI/Energy, USAID/India
- 9:30 – 9:50 **Keynote Address**
Ms. Michele Schimpp, Director, Office of Technical Support (ME/TS), Bureaus for the Middle East and Asia, U.S. Agency for International Development
- 9:50 – 10:15 **Introductions of the Participants and Course Overview**
Ms. Sarah Blanford, Senior Program Coordinator of SARI/Energy Partnership Program, U.S. Energy Association
- 10:15 – 10:30 Tea/Coffee Break
- 10:30 – 2:00 **Public Briefing of the South Asia Women in Energy**
- 10:30 – 10:45 **Welcome & Opening Remarks**
Mr. S. Padmanaban, Regional Director, SARI/Energy, USAID/India
- 10:45 – 11:00 **Highlights from SAWIE**
Ms. Mercy Thomas, Regional Coordinator, SARI/Energy, USAID/India
- 11:00 – 1:00 **Developments in SAWIE & pursuing a “green” agenda through renewable and energy efficiency practices and techniques in homes and communities**
Moderator: Mr. S. Padmanaban, Regional Director, SARI/Energy, USAID/India

Presentations by Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka
- 1:00 – 2:00 Lunch
- 2:00 – 2:30 **Household Energy Efficiency and Conservation Applications**
Ms. Kateri Callahan, President, Alliance to Save Energy
- 2:30 – 3:15 **Professional Women in Energy Roundtable – Background, Roles & Perspectives – Theme: Women as Catalysts in Energy Conservation and Energy Efficiency**
Ms. Sheila Hollis, Partner, Duane Morris LLP

- Dr. Hasna J. Khan, Director, President, Energy Systems and Director, Prokaushali Sangsad Limited (PSL) (engineering consulting firm of Bangladesh)
- Ms. Linda Breathitt, Consultant & Former Commissioner, Federal Energy Regulatory Commission (FERC)
- Ms. Merribel Ayres, President, Lighthouse Consulting Group, LLC
- Ms. Barbara Tyran, Director, Washington Relations, Electric Power Research Institute

3:15 – 3:30 Tea/Coffee Break

3:30 – 5:00 **Professional Women in Energy Roundtable – Background, Roles & Perspectives – Theme: Women as Catalysts in Energy Conservation and Energy Efficiency** (*continued*)

6:30 **Depart hotel for short walk to restaurant**

6:45 **Dinner with Panelists** – Hosted by Sheila Hollis & USEA
Bombay Club
815 Connecticut Ave NW # 2, Washington, DC 20006

Wednesday, May 13, 2009 (Location: U.S. Energy Association offices)

8:30 Delegates meet USEA representative in hotel lobby for travel to USEA

9:00 – 9:45 **Energy Sector Management Assistance Program (ESMAP)
Case Studies in Energy Poverty, Gender & Access**
Ms. Adriana Eftimie, Mining Specialist, Oil, Gas and Mining Policy Division, The World Bank Group & Ms. Vanessa Almeida Lopes, Operations Analyst Water & Sanitation Program (WSP) & Energy Sector Management Assistance Program (ESMAP), The World Bank Group

9:45 – 10:30 **Mainstreaming Gender Equality in Infrastructure Projects**
Ms. Nilufar Ahmad, Sr. Gender Specialist, Social Development, World Bank

10:30 – 10:45 Group Photo & Tea/Coffee Break

10:45 – 11:15 **Overview of Plans for SAWIE Regional Center of Excellence (SAWIE-RCE)**
Mr. S. Padmanaban, Regional Director, SARI/Energy, USAID/India

12:00 – 1:30 **Women’s Council on Energy & the Environment Brown Bag Luncheon
Presentation: Developing Country Responsibilities for GHG Mitigation**
Prof. Dr. Saifur Rahman, Joseph Loring Professor of ECE, Advanced Research Institute, Virginia Polytechnic Institute and State University (Virginia Tech) & Member-At-Large, IEEE-USA Energy Policy Committee

2:00 **Site visit**

- **Alexandria/Arlington Resource Recovery Facility** (Covanta Power)
 Details: 5301 Eisenhower Ave, Alexandria 22304
 (Michael Renga, Business Manager, Covanta Alexandria /
 Arlington, Inc.; 703-370-7722 ext 1608)
 The facility's three, 325 ton-per-day furnaces process 975 tons of
 solid waste, generating up to 23 MW of renewable energy that is
 sold to Dominion Virginia Power Company

Thursday, May 14, 2009 (Location: U.S. Energy Association offices)

- 8:30 Delegates meet USEA representative in hotel lobby for travel to
 USEA
- 9:00 – 10:00 **Opportunities for Cross Application in Cooking Fuel Resources between
 Rural and Humanitarian Settings**
 Ms. Erin Patrick, Senior Program Officer, Women's Commission for
 Refugee Women & Children
- 10:00 – 10:45 **Perspectives of Renewable Energy Financing, Policy & Technology in
 Developing Countries**
 Ms. Judy Siegel, President, Energy and Security Group
- 10:45 – 11:00 Tea/Coffee Break
- 11:00 – 11:45 **Taking Energy Education into the Classroom**
 Ms. Mary Spruill, Executive Director, National Energy Education
 and Development Project
- 12:00 – 2:00 **Luncheon Briefing – The Smart Grid and its Benefits**
 Presented by GE
- The Benefits of a Smart Grid
 - Energy Security and Independence
 - A Greener USA
 - Efficiency
 - Reliability
 - Consumer Empowerment
 - Good Things Enabled by the Smart Grid
 - Renewable Intermittent Generation. i.e. Wind
 - Renewable Dispatchable Generation i.e. Landfill Gas,
 Geothermal
 - PV Solar
 - Plug In Vehicles
 - Demand Side Management
 - Calculating the Benefits of A Smart Grid
 - Utility Benefits
 - Consumer Benefits
 - Societal Benefits
 - Impact of Policy Discussion
- 2:30 **Site visit**
- **One and Two Potomac Yard – Arlington, Virginia**

Details: Maureen Dowling, RPA, LEED AP, General Manager,
Jones Lang LaSalle- 2733 South Crystal Drive, Arlington 22202;
703-413-7432, ext. 2); Monique Burt & Wayne Degrou

This building represents one of the first "green," new speculative office building projects in the Washington, DC area. One and Two Potomac Yard has earned LEED (Leadership in Energy and Environmental Design) Green Building Rating System® Gold for New Commercial Construction (NC) certification.

Hosted by Crescent Resources LLC

6:15 Delegates meet USEA representative in hotel lobby for travel to Kennedy Center

6:30 pm Arrive at Kennedy Center of the Performing Arts

7:00 pm Attend Annual Mary Lou Williams Women in Jazz Festival – Hosted by PA Consulting

Hosted by award-winning jazz vocalist Dee Dee Bridgewater, the festival marks its 14th thrilling year with star-studded performances featuring the world's top female jazz artists, including Esperanza Spalding, bassist and vocalist; Janis Siegel, vocalist; and Anat Cohen, clarinetist/saxophonist, leading her Anzic Orchestra.

Friday, May 15, 2009 (Location: U.S. Energy Association offices)

7:45 Delegates meet USEA representative in hotel lobby for travel to USEA

8:15 – 8:45 **The Future of Solar Cooking – Applications & Demonstration**
Ms. Patricia McArdle, Board of Director, Solar Cookers International, Solar Household Energy

9:00 – 9:45 **Energy Efficiency Applications in the Home**
Mr. Michael McCabe, Senior Engineer, Office of Efficiency & Renewable Energy (EERE), U.S. Department of Energy

9:45 – 10:30 **Role of Regulation in the Promotion of Renewable Energy & Energy Efficiency**
Ms. Mary Beth Tighe, Technical and Policy Advisor, Federal Energy Regulatory Commission (FERC)

10:30 – 10:45 Tea/Coffee Break

10:45 – 11:30 **The Role of the State Regulator – Promoting Energy Efficiency & Renewable Energy**
Ms. Betty Kane, Chairman, Public Service Commission of the District of Columbia

11:30 – 12:15 **Trends and the Direction of Wind Energy**
Ms. Megan McCluer, Program Manager, Wind and Hydropower Technologies Program, U.S. Department of Energy

- 12:15 – 1:30 Lunch enroute to site visit at Delhi Dhaka (2424 Wilson Blvd., Arlington)
- 2:15 **Site visit to residential and commercial retrofitted projects, and mobile power stations – Clarendon, Virginia**
- Mr. Scott Sklar, President, The Stella Group, Ltd.
706 North Ivy Street, Arlington (1 block from 10th & Wilson)
(202-347-2214, 703-841-1634)
- Scott Sklar, the The Stella Group's founder and president, lives in a solar home in Arlington, Virginia which has solar water heating, passive solar building features (including double-paned, argon-filled windows, LO/MIT thermal barrier paint in the attic, R38 insulation), energy efficient fixtures and appliances (such as Whirlpool Cabrio washer), 1.2 kW of Solarex polycrystalline photovoltaics and 0.5 kW of UniSolar 'peal-and-stick' modules on a metal-seamed roof on the front porch, and a 24 gel cell battery bank tied to a Xantrex SWPlus inverter. The house boast's Virginia's first direct exchange (geothermal) ground-coupled heat pump. The Stella Group's Virginia office building has 1 kW of UniSolar photovoltaic roofing shingles, a 3.6 kW GridPoint smart battery bank, a 0.5 kW small wind turbine by Southwest Windpower, solar daylight tube, and has the first commercial lease of a 5 kW Plug Power fuel cell (running on recycled industrial hydrogen in canisters) tied to a dedicated Xantrex inverter.
- The pv/wind power, containerized, rapidly deployed power station developed by SkyBuilt Power (www.SkyBuilt.com) is a 6 kW quick deployment power generator used by the US military and cellular industry.

Saturday, May 16

No planned activities.

Sunday, May 17, 2009

Morning No planned activities.

4:45 **Depart hotel**

5:00 – 7:30 **Dinner**– Hosted by Sheila Slocum Hollis (*informal attire requested*)
Home of Sheila Slocum Hollis – Capital Hill, Washington, DC
Details: 327 A St, NE, Washington, DC (right behind the Supreme Court (Mobile:202-256-4962)

Monday, May 18, 2009 (Location: U.S. Energy Association offices)

8:45 Delegates meet USEA representative in hotel lobby for travel to USEA

9:15 – 10:15 **Energy Efficient Building Construction & Green Architecture**

Mr. Matt Gray, Presidential Management Fellow, U.S. Department of Energy

10:15 – 11:00

Overview of the SARI/Energy Small Grants Programme

Ms. Ekta Bhardwaj, Manager SARI/E Small Grants Programme, PA Consulting Group

Tea/Coffee Break

11:00 – 11:45

World Renewable Energy Congress – Stories from Workshops on Energy, Gender & Poverty

Dr. Barbara C. Farhar, Senior Research Fellow, Institute of Behavioral Science, University of Colorado & National Renewable Energy Laboratory (Ret.)

11:45 – 12:30

Flex time

12:30 – 1:15

Lunch

2:00

Site visit – Potomac, Maryland

Details: Mr. Asim Hussain (Director, Product Marketing; Mobile: 703-627-1770) and Mr. Miguel Rodas (Sr. Technical Sales Engineer; M: 240-328-2774), Current Group (8803 Tuckerman Lane, Potomac, MD 20854; Liz Springer, Current Group 301-944-2764)

- Residential home retrofitted for smart grid technologies

4:00 – 5:30

Break-out Sessions – Regional Centre of Excellence & SAWIE Working Groups

Tuesday, May 19, 2009 (Location: U.S. Energy Association offices)

8:30

Delegates meet USEA representative in hotel lobby for travel to USEA

9:00 – 9:45

Overview of Women’s Council on Energy & the Environment

Ms. Sharla Artz, Director of Security & Energy Policy, Schweitzer Engineering Laboratories & President, Women’s Council on Energy & the Environment

9:45 – 11:15

Energy Efficiency and Conservation Public Information Programs Building Construction & Green Architecture

Ms. Carol Mulholland, Principal, The Cadmus Group

10:30 – 10:45 Tea/Coffee Break

11:15 – 12:00

Growth and Barriers for Small Hydro Power

Ms. Debby Stone, Executive Director, International Clean Energy Alliance and Member, U.S. Hydropower Council for International Development

12:00 – 12:30

Follow-Up Actions by Working Group Leaders

(5 minutes per presentation)

Ms. Reba Paul, Bangladesh

Ms. Tara Shrestha, Nepal

Ms. Rukshana Zuberi, Pakistan

Ms. Soma Dutta, India

12:30 – 1:30

Lunch enroute to site visit – Charlie Chiang’s Restaurant (660 S. Pickett Street, Alexandria)

2:45

Site visit

- Methane gas to electricity plant at the Stafford County Regional Landfill
Details: 489 Eskimo Hill Road, Stafford, VA 22554
Andrew Mikel, Superintendent, Rappahannock Regional Solid Waste Management Board (M: 540-446-4344; W: 540-658-4592) & Richard E. Williams, Plant Specialist, Ameresco

The landfill, operated and maintained by the Rappahannock Regional Solid Waste Management Board, began producing electricity in September 2008. The facility, operated by Ameresco, can generate 2.14 megawatts of renewable energy — enough to power more than 1,300 homes a day — by using the landfill gas generated by decomposing waste at the landfill.

6:30

Dinner hosted by Ms. Carol Mulholland, Principal, The Cadmus Group
Venue: Cactus Cantina

Wednesday, May 20, 2009

8:00

Delegates meet USEA representative in hotel lobby for travel to site visit

9:00 – 10:30

Site visit

- **Pepco Utility Customer Care Center, Upper Marlboro, Maryland**
Details: 8300 Old Marlboro Pike, Upper Marlboro, Maryland
Peg Brinkley, Manager, Customer Operations (301-669-7792)

Overview of customer operations, staff structure, and technical protocols

12:00 – 1:30

Welcome

Mr. John Hammond, Program Manager, U.S. Energy Association

Lunch & Keynote Luncheon Speaker – Women Empowerment – Economic and Social Empowerment

Ms. Diane Farrell, Member of the Board of Directors, Export-Import Bank of the United States

1:30 – 3:00

The Role of Utilities in Renewable Energy & Energy Efficiency

- **Renewable Energy Programs and Advanced Technologies**
- **How Utilities Reduce Demand – How to Teach Consumers to Increase Energy Efficiency and Conservation**
- **Capacity Building/Best Practices/Information Sharing**

Ms. Alice Perez, Manager, Customer Strategy, Sacramento Municipal Utility District

Business Council for Sustainable Energy (observers)

3:00 – 3:15

Tea/Coffee Break

3:30 – 4:00

Renewable Energy Project Financing – Effects of the New Stimulus Bill & Strategies for Private & Multilateral Financing

Ms. Rolanda Shine, Senior Manager, Project Finance and Corporate Development, SunEdison

4:00 – 4:15

Women in Climate Change Mitigation and Adaptation

Ms. Reba Paul, Executive Secretary, Bangladesh Water Partnership Secretariat

4:15 – 4:30

Reports on Brainstorming Sessions for Regional Centre

4:30 – 4:45

Closing Remarks and Expected Follow-Ups from the Executive Exchange

Mr. S. Padmanaban, Regional Director, SARI/Energy, USAID/India

4:45 – 5:00

Vote of Thanks & Presentation of Certificates

Mr. John Hammond, Program Manager, U.S. Energy Association