



## **AGENDA**

# **EXECUTIVE PEER EXCHANGE ON THE USE & INTEGRATION OF RENEWABLE ENERGY IN THE POWER SECTOR**

**SACRAMENTO & SAN FRANCISCO, CALIFORNIA  
GOLDEN, COLORADO  
WASHINGTON, D.C.**

**APRIL 21 – 30, 2008**

**CONDUCTED BY THE U.S. ENERGY ASSOCIATION  
UNDER THE  
SOUTH ASIA REGIONAL INITIATIVE FOR ENERGY (SARI/ENERGY)  
FUNDED BY THE  
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT**

This SARI/Energy activity is made possible by the generous support of the American people through the United States Agency for International Development (USAID).

## **Program Objectives**

- To learn best practices and obtain copies of the following:
  - Government policies that promote renewable energy
  - Strategies and incentives for project financing, including credit guarantees and income tax provisions
  - Use of portfolio standards to expand renewable energy deployment
- To analyze commercially proven renewable energy technologies

## **Anticipated Outcomes**

- To gain knowledge and documentation on the following:
  - Financing strategies for renewable energy projects
  - Policies and practices potentially applicable to other parts of South Asia
  - Technologies with practical application to South Asia

## **Delegates**

### **Afghanistan**

Engr. Shakibullah Hedayat Rustaqi  
Electrical Engineer  
Renewable Energy Department  
Ministry of Energy & Water  
Email: Shekib\_8@yahoo.com

### **Bangladesh**

Mr. S. M. Formanul Islam  
Director, Legal and Company Secretary  
Infrastructure Development Company Limited.  
E-mail: fislam@idcol.org;  
formanul2@yahoo.com

Mr. Kaisar Ahmed  
Director, Renewable Energy  
Rural Electrification Board  
E-mail: ratecell@dhaka.net;  
shahlaa@bttb.net.bd

### **Bhutan**

Mr. Mewang Gyeltshen  
Officiating Head,  
Renewable Energy Division,  
Department of Energy,  
Ministry of Economic Affairs  
Email: mewang09@yahoo.co.uk

### **Bhutan (cont)**

Mr. Karma Tshering  
Officiating Head,  
Planning and Coordination Division,  
Department of Energy,  
Ministry of Economic Affairs  
E-mail:karma508@druknet.bt

### **Maldives**

Mr. Shafeeq Ismail  
Executive Director  
Ministry of Finance and Treasury  
Email: ishafeeq@finance.gov.mv

### **Nepal**

Dr. Govind Raj Pokharel  
Executive Director  
Alternative Energy Promotion Center  
Nepal  
Email: govind.pokharel@aepc.gov.np

Dr. Jagan Nath Shrestha  
Professor and Director  
Center for Energy Studies  
Institute of Engineering  
Tribhuban University  
Email: jns@healthnet.org.np

**Pakistan**

Dr. Akhtar Awan  
Member Energy  
Planning Commission  
Government of Pakistan  
Email: memenergy@pc.gov.pk

**Sri Lanka**

Mr. T.M. Herat  
Additional Secretary (Technical)  
Ministry of Power and Energy  
Email: agmprojects@ceb.lk

Mr. K.K.A.C. Samarasinghe  
Director General

Sri Lanka Sustainable Energy Authority  
Email: chandana@energy.gov.lk

**U.S. Agency for International Development**

Mr. Chinmaya Acharya  
Regional Project Management Specialist  
Deputy Director of SARI/Energy  
USAID/India  
Email: cacharya@usaid.gov

**U.S. Energy Association**

Ms. Sarah Blanford  
Senior Program Coordinator  
Email: sblanford@usea.org

**Saturday, April 19 – Sunday, April 20, 2008**

Delegates arrive into Sacramento, California

Hotel:

Sheraton Grand Sacramento

<http://www.starwoodhotels.com/sheraton/property/overview/index.html?propertyID=1247>

1230 J Street

Sacramento, California, USA 95814

Tel: +1- 916-447-1700; Fax: 1- 916-447-1701

*Note: Breakfast not included – per diem provided*

Transportation company for Sacramento & San Francisco – Baja Limo (Ann, 916.638.1400)

**Monday, April 21, 2008 – Sacramento**

**9:45 am Depart hotel**

**10:00 am – 12:00 pm**

**Meeting with California Energy Commission**

Point of Contact: Joanne Vinton (Jvinton@energy.state.ca.us, 916-654-4287)

Location: 1516 Ninth Street between "O" and "P" streets, Hearing Room B

Speakers: Melissa Jones, Executive Director & Heather Raitt, Technical Director, Renewable Energy Office

The California Energy Commission is the state's primary energy policy and planning agency. Created in 1974, the Commission has five major responsibilities: (1) Forecasting future energy needs and keeping historical energy data, (2) Licensing thermal power plants 50 megawatts or larger, (3) Promoting energy efficiency through appliance and building standards, (4) Developing energy technologies and supporting renewable energy, and (5) Planning for and directing state response to energy emergency. The Commission's role includes overseeing funding programs that support public interest energy research; advance energy science and technology through research, development and demonstration; and provide market support to existing, new and emerging renewable technologies.

Topics for discussion

Policies that promote renewable energy, including renewable portfolio standards & other incentive programs; rebate programs, the role of an income tax base for renewables, the California Renewable Resources Account (which collects from ratepayers of the state's investor-owned utilities) and other financing strategies; the impacts of integrating RE on the energy market; how a market facilitates RE use; consumer education & marketing programs

**Welcome** – Melissa Jones, Executive Director

**Overview** – Heather Raitt, Renewable Energy Office

**12:15 – 1:30 pm Lunch** China Café (3653 J Street; 916-454-1925)

**2:30 – 4:00 pm**

**Meeting with PV Powered & Siemens**

SIEMENS – Doug Moyles, Construction Manager, NorCal District,

Energy and Environmental Solutions (Doug.moyles@siemens.com)

PVPowered – Bret Norlund, Regional Sales Manager (bretnorlund@pvpowered.com)

Point of Contact: Jaspal Deol (jdeol@smud.org, 916-732-5015)  
Location: 6201 S St., Sacramento 95817

### **Site Visit of SMUD Solar Powered Hydrogen Fuel Station**

**6:45 pm**      **Depart for restaurant – ½ mile walk**

**7:00 pm**

**Welcome Dinner** – Hosted by Siemens

Gaylord India Restaurant (1501 14th Street, Sacramento, 916-441-6700)

### **Tuesday, April 22, 2008 – Sacramento**

**8:30 am**      **Check Out of Hotel & Depart for SMUD**

**9:00 am**

**Meeting with Sacramento Municipal Utility District (SMUD)**

Point of Contact: Jaspal Deol (jdeol@smud.org, 916-732-5015)

Location: 6201 S St., Sacramento 95817

As the sixth largest publicly owned utility in the country in terms of customers served, SMUD's service area covers 900 square miles, including California's capital city, Sacramento County. Today, SMUD offers competitive rates that are consistently lower than investor-owned utilities in the state through a diverse portfolio of generation sources, including renewable energy.

#### Topics for discussion

Technical integration of RE into the system; challenges & strategies to meet RE standards; project development; tactics to promote of RE. Meetings will include discuss with SMUD's Advanced Renewable Energy group to discuss the latest RE technologies available on the market.

Opening Remarks & SMUD Overview – Jaspal Deol, Manager, Customer Operations, Customer Services

Renewables Programs/Services - Clifton Lewis, Manager, Programs/Services

Renewable Projects (Utility Scale) - Jon Bertalino

Customer Service – Tom Jas, Research & Evaluation

Welcome – Paul Lau

**3:00 pm**

**Site visit to SMUD 80 MW Solano Wind Farm**

POC: Jon Bertalino/Dick Wallace

- **Travel to San Francisco**

Hotel:

Hyatt Regency San Francisco <http://sanfranciscoregency.hyatt.com/hyatt/hotels/index.jsp>  
5 Embarcadero Center  
San Francisco, California, USA 94111  
Tel: +1-415-788-1234; Fax: 1-415-398-2567  
*Note: Breakfast not included – per diem provided*

**Wednesday, April 23, 2008 – San Francisco**

**9:35 am**      **Depart hotel**

**10:00 – 12:00 am**

**Meeting with California Public Utilities Commission (CPUC)**

Point of Contact: Terrie D. Prosper (TDP@cpuc.ca.gov)

Location: 505 Van Ness Avenue

The PUC regulates privately owned telecommunications, electric, natural gas, water, railroad, rail transit, and passenger transportation companies, in addition to authorizing video franchises. The PUC plays a key role in making California a national and international leader on a number of clean energy related initiatives and policies designed to benefit consumers, the environment, and the economy. Established in 2002, California's Renewables Portfolio Standard (RPS) is one of the most ambitious renewable energy standards in the country. The RPS program requires electric corporations to increase procurement from eligible renewable energy resources by at least 1% of their retail sales annually, until they reach 20% by 2010. California is now considering an even higher goal of 33% renewable energy by 2020. The California Public Utilities Commission and the California Energy Commission jointly implement the RPS program.

Topics for discussion

Policies that promote RE, including renewable portfolio standards & other incentive programs; rebate programs, the role of an income tax base for renewables, the California Renewable Resources Account (which collects from ratepayers of the state's investor-owned utilities) and other financing strategies ; the impacts of integrating RE on the energy market; how a market facilitates RE use; consumer education & marketing programs; an overview of PUC's Self-Generation Incentive Program (SGIP) (a statewide program developed to provide incentives for the installation of photovoltaic (solar) systems, microturbines, fuel cells, and wind turbines up to 5 MW)

10:00 Energy Efficiency – Lisa Paulo, Regulatory Analyst, Energy Efficiency

10:30 California Solar Initiative & Distributed Generation – Sachu Constanine, Senior Regulatory Analyst

11:00 Renewable Power – Sara Kamins

11:30 Wrap-Up – Judith Ikle, Renewables Team Leader

**12:30 pm**      **Lunch – Shanghai 1930 Restaurant** (133 Steuart Street, 415-896-5600)

**2:00 – 3:30 pm**

**Meeting & Tour Pacific Gas & Electric (PG & E) Energy Center**

Point of Contact: Bill Miller (415-973-4911, WCM2@pge.com; M: 415-244-2933) &  
Cecelia Orias (415-973-4539)

Location: the Energy Center, 851 Howard Street

Speakers: Roland Risser, Director for Customer Energy Efficiency &  
Bill Miller, Principal Regulatory Analyst for Customer Energy Efficiency

Pacific Gas and Electric Company is one of the largest combination natural gas and electric utilities in the United States. The company, a subsidiary of PG&E Corporation, serves approximately 15 million people in northern and central California. PG&E delivers some of the cleanest electric power of any major electric company in the United States and are aggressively adding renewable electric power resources to the supply of delivered power. PG&E also leads the nation by hooking up more solar-generating customers to the electric grid than any other utility. PG&E has a long history of developing, generating, and purchasing renewable power. Going forward, PG&E is taking steps to do even more with plans to study wave power off the coast of nearby counties, exploring "cow power" as one of the newest and most innovative ways to realize our renewable energy goals, using new geothermal energy resources, solar energy, and other renewable resources. Recently, PG&E issued a 2008 renewable energy procurement solicitation where we are seeking to procure an additional 1 to 2 percent of the customers' electricity needs through renewable resources. These efforts represent important milestones for PG&E towards a goal of supplying 20 percent of the customer needs with qualifying renewable resources under California's renewable portfolio standard program.

Topics for discussion

Technical integration of renewable energy into the system; challenges & strategies to meet renewable energy standards; project development; tactics to promote of renewable energy

Speaker: Robert Marcial, Director, The Pacific Energy Center

**4:00 – 5:00 pm**

**Meeting & Tour Pacific Gas & Electric (PG & E) Energy Center**

Location: 245 Market Street

IRP – Antonio Alvarez, Manager, IRP

Renewable Energy Overview – Uday Mathur, Business Development

**5:00 pm Adjourn for day.** (Hotel located 1 block away)

**Thursday, April 24, 2008 – San Francisco, California & Golden, Colorado**

**8:45 am Depart hotel** (1/2 mile – walk or drive)

**9:00 – 10:00 am**

**Meeting with MMA Renewable Ventures**

Point of Contact: Carma Gaggero (415.229.8810, [Carma.Gaggero@mmarenew.com](mailto:Carma.Gaggero@mmarenew.com))

Location: 44 Montgomery (Market) St # 2400

Speakers: David Williams, Director of Asset Management & Joe Kastner, Senior Vice President

MMA Renewable Ventures coordinates the financing, installation, and operation of renewable energy systems and energy efficiency projects. As a comprehensive power solutions provider, MMA partners with investors, energy project developers, and customers to design and implement innovative green energy solutions. MMA's mission is to deliver exceptional investment opportunities while providing competitively priced renewable energy and energy efficiency products. As a wholly owned subsidiary of MuniMae, MMA Renewable Ventures is uniquely positioned to bring considerable investment management expertise to renewable energy projects and energy efficiency solutions. In 2006, MMA Renewable Ventures closed \$39 million of solar photovoltaic ("PV") projects, capitalized 1 MW of solar PV capacity, and provided capital for 3.5 MW of solar PV capacity in two solar investment funds. Solar Funds III and IV are scheduled to close in 2007. MMA's growing portfolio and pipeline include \$400 million of solar projects and \$900 million of wind and bioenergy projects.

Topics for discussion

Overview of MMA projects, financing of renewable energy projects; risk assessment of renewable energy projects

**10:15 am**      **Check-out of hotel & depart for airport**

**12:30 pm**      **Flight from San Francisco – United #770**

**4:10 pm**      **Arrival into Denver**

**6:00 – 7:00 pm**

**Site visit to Denver Federal Center's 1 MW grid-tied PV system**

Point of Contact: Douglas B. Porter, P.E., Program Manager, DFC Service Center (303-236-8000 x 5027, [douglas.porter@gsa.gov](mailto:douglas.porter@gsa.gov)) General Services Administration, Public Buildings Service, Denver federal Center Service Center, Kipling Street & West 6<sup>th</sup> Avenue, PO Box 25546, Denver, CO 80225

Location: Kipling Street & Alameda Avenue, Lakewood

Hotel:

Marriott Denver West

1717 Denver West Blvd

Golden, CO 80401

Tel: +1- 303-279-9100; Fax: +1-303-271-0205

*Note: Breakfast provided at the hotel*

Transportation company for Golden/Denver – Executive Transportation (Karen Kerrick, 303-755-5089)

**Friday, April 25, 2008 – Golden, Colorado**

**8:00**      **Depart hotel**

**8:30 am – 2:30 pm**

**Meeting with National Energy Renewable Laboratory (NREL)**

Point of Contact: Sarah Barba, Public Relations Office - Visitors Program (303-275-3023, [Sarah\\_Barba@nrel.gov](mailto:Sarah_Barba@nrel.gov)) & Dave Renne ([David\\_Renne@nrel.gov](mailto:David_Renne@nrel.gov))

Location: 1617 Cole Boulevard, Golden

The National Renewable Energy Laboratory (NREL) is the nation's primary laboratory for renewable energy and energy efficiency research and development. NREL's mission and strategy are focused on advancing the U.S. Department of Energy's and the nation's energy goals. The laboratory's scientists and researchers support critical market objectives to accelerate research from scientific innovations to market-viable alternative energy solutions. At the core of this strategic direction are NREL's research and technology development areas. These areas span from understanding renewable resources for energy, to the conversion of these resources to renewable electricity and fuels, and ultimately to the use of renewable electricity and fuels in homes, commercial buildings, and vehicles. The laboratory thereby directly contributes to the nation's goal for finding new renewable ways to power our homes, businesses, and cars.

Topics for discussion

NREL overview, history & funding mechanisms; large-scale applications including grid connections and other commercial applications

- 8:00 Arrival to the U.S. DOE's National Renewable Energy Laboratory
- 8:00 Security check-in
- 8:15 Travel to Solar Energy Research Facility (SERF)
- 8:30 Introductions/Statement from delegates  
Speaker: Dave Renne, Principal Program Leader, I&ES
- 9:00 NREL Overview  
Speaker: Doug Arent, Center Director, Strategic Energy Analysis & Applications
- 9:15 International Overview  
Speaker: Dan Bilello, Group Manager, I&ES
- 9:30 Overview of NREL's SARI/Energy Activities  
Speakers: Dave Renne, Principal Program Leader, I&ES  
Dennis Elliott, Principal Scientist, Research & Development Group  
Shannon Cowlin, Project Leader; I&ES
- 10:15 Break
- 10:30 Biofuels Overview  
Speaker: Helena Chum, NREL Fellow, National Bioenergy Center
- 11:00 Photovoltaics Overview  
Speaker: Harin Ullal, Senior Project Manager, National Center for Photovoltaics
- 11:30 Lunch
- 12:30 Tour of Solar Energy Research Facility (SERF)  
Speaker: James Bosch, NREL Visitors Program
- 1:00 Travel to Outdoor Test Facility (OTF)
- 1:05 Tour of OTF

Speaker: James Bosch, NREL Visitors Program

1:20 Travel to Alternative Fuel Users Facility (AFUF)

1:25 Tour of AFUF  
Speaker: James Bosch, NREL Visitors Program

1:50 Return to SERF Auditorium

2:00 Wrap-Up Discussion  
Speaker: Dan Arvizu, Director of NREL

2:30 Adjourn

**3:00 – 4:30 pm**

**Site visit to Merrick & Company Ethanol Production Plant**

Point of Contact: Steve Wagner, Vice president, Energy Process Systems (303-353-3592, Steve.Wagner@Merrick.com)

Location: Copper Kettle, located outside of the visitor center, 500 yards due east of the Coors Brewery main gate. The main gate is at the intersection of 12<sup>th</sup> and Ford streets, Golden

MMI - ETOH, a wholly owned subsidiary of Merrick & Company, contracted with Coors Brewing Company to purchase an alcohol condensate waste stream from their brewery, upgrade it to fuelgrade ethanol, and sell it to Total Petroleum Company under a long-term contract for Colorado's Front Range Clean Air Program. As the lead entity, Merrick assumed the project development role, secured the financing, provided engineering and design services, procured new equipment and materials, and constructed the new facility. Merrick also owns and maintains the operation. As a teammate in the project, Coors supplies the feed stream and utilities for the project, and operates the facility. Valero now completes the project team and is responsible for transporting the product and providing the long-term purchase agreement for the fuel-grade ethanol.

**7:30 pm Welcome Dinner** – Hosted by USEA - Ali Baba restaurant  
(109 N Rubey Dr. F, Golden, (303)279-2228)

**Saturday, April 26, 2008**

**9:00 am Check-out of hotel and depart for airport**

**11:39 am Depart Denver for Washington, DC – United Airlines #918**

**5:05 pm Arrive into Washington Dulles Airport**

Hotel:

Churchill Hotel [www.thechurchillhotel.com](http://www.thechurchillhotel.com)

1914 Connecticut Ave NW

Washington, DC 20009

Tel: 1-202-797-2000; Fax: 1-202-462-0944

*Note: Breakfast provided at the hotel*

Transportation company for Washington, DC – RMA (Laura Lee, 301-231-6555)

## **Sunday, April 27, 2008 – Washington, DC**

No scheduled activities

## **Monday, April 28, 2008 – Washington, DC**

**9:15** Depart hotel for USEA

**10:00 am – 1:00 pm**

**Briefing by delegates on status of renewable energy deployment in their countries**

**1:00 pm** Arrive at USDA

**1:30 – 2:45 pm**

**Meeting with U.S. Department of Agriculture (USDA) Rural Development**

**Location:** 1400 Independence Avenue, SW (South Building), room 3109-S

Enter at the 1<sup>st</sup> Wing located at the corner of 12<sup>th</sup> & Independence

**POC:** Ms. Helen Stanard (720-6725)

**Speakers:** Douglas Faulkner, Deputy Under Secretary, Rural Development, USDA and James Andrew, Administrator, Rural Utilities Service, Rural Development, USDA

The USDA Rural Development is committed to helping improve the economy and quality of life through financial programs that support such essential public facilities and services as water and sewer systems, housing, health clinics, emergency service facilities and electric and telephone service. Rural Development promotes economic development by supporting loans to businesses through banks and community-managed lending pools; offers technical assistance and information to help agricultural and other cooperatives get started and improve the effectiveness of their member services; and provides technical assistance to help communities undertake community empowerment programs. Rural Development has an \$86 billion dollar portfolio of loans and administers nearly \$16 billion in program loans, loan guarantees, and grants through the programs. Rural Development achieves its mission by helping rural individuals, communities and businesses obtain the financial and technical assistance needed to address their diverse and unique needs.

### Topics for discussion

Overview of the USDA Rural Development program, overview of current initiatives to promote the use of renewable energy to support rural development

**3:00 – 4:15 pm**

**Meeting with U.S. Department of Energy (DOE)**

Point of Contact: Jihan Quail (Jihan.Quail@ee.doe.gov)

Speakers: John Mizroch, Principal Deputy Assistant Secretary, Office of Energy Efficiency and Renewable Energy; Amy Chiang, Director of International Affairs

The Department of Energy's overarching mission is to advance the national, economic, and energy security of the United States; to promote scientific and technological innovation in support of that mission; and to ensure the environmental cleanup of the national nuclear weapons complex. The Department's strategic goals to achieve the mission are designed to deliver results

along five strategic themes: energy security, nuclear security, scientific discovery and innovation, environmental responsibility, and management excellence. The Department of Energy is committed to the development of renewable sources of energy. For instance, DOE believes tomorrow's generation of automobiles and trucks will have to be cleaner and much more efficient if the United States is to strengthen its energy security and continue to improve its environment. Beginning in fiscal 2003, DOE shifted its clean fuels research program from ultra-clean forms of petroleum-based fuels to a new research effort focused on lower cost ways to produce hydrogen from coal and natural gas - a key element of President Bush's new Hydrogen Fuel Initiative. In addition, the Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) focuses on the range of renewable energy sources, partnering with other government entities and the private sector to better leverage the Federal investment in research, development and deployment (RD&D) of new technologies.

Topics for discussion

Overview of the DOE Office of Energy Efficiency and Renewable Energy, overview of current renewable energy legislation and initiatives, including the solar energy initiative designed to speed adoption of low-cost concentrating solar power (CSP) technologies into the marketplace

- **6:30 pm Welcome Dinner** – Hosted by USEA. Lebanese Taverna (2641 Connecticut Ave, NW)

**Tuesday, April 29, 2008 – Washington, DC**

**9:40 Depart hotel**

**10:00 am – 12:00 pm**

**Meeting with Federal Energy Regulatory Commission (FERC)**

Point of Contact: Sarah McKinley (202-502-8368, sarah.mckinley@ferc.gov)

Location: 888 First Street, NE

Speaker: Rahim J. Amerkhail, Energy Innovations Sector, Office of Energy Market Regulation

The Federal Energy Regulatory Commission regulates and oversees energy industries in the economic, environmental, and safety interests of the American public. The Federal Energy Regulatory Commission is an independent agency that regulates the interstate transmission of natural gas, oil, and electricity. FERC also regulates natural gas and hydropower projects.

Topics for discussion

Overview of FERC's role in regulation of renewable energy, strategies for removing regulatory barriers to renewable energy development, oversight for integrating new technologies, formation of standardized regulation of non-synchronous energy sources

**12:15 pm Lunch – White Tiger Restaurant** (301 Massachusetts Avenue, NE, 202-546-5900)

**2:30 – 4:00 pm**

**Meeting with the World Bank**

Point of Contact: Anil Cabraal (202-473-1000, Acabraal@worldbank.org)

Location: 1818 H Street, NW

Additional speaker: Sabin Basnyat, Projects Officer, Sustainability Business Innovator, Environment and Social Development Department, International Finance Corporation (IFC)

Over the last two decades, the World Bank Group has been helping partner countries take advantage of opportunities to improve the use of renewable energy and energy efficiency. As part of the commitment made at the Bonn International Conference in June 2004, the World Bank Group has embarked upon a strategy for renewable energy with its partner countries. The approach is to provide support to country teams and operations staff to better integrate renewables and efficiency into lending programs. The aim is to target countries where the energy components make for a sensible addition to the Bank's lending program and can contribute to the broader development agenda. This strategy addresses the goal of building its renewable energy and energy efficiency pipeline as well as longer-term issues such as systematic consideration of renewable energy options in key planning documents. It also involves developing more streamlined approaches to using GEF resources and mainstreaming Carbon Finance operations into regional lending programs.

- Welcome and overview of World Bank Group assistance for energy in South Asia  
Speaker: Salman Zaheer, South Asia Energy Sector Manager
- Overview of World Bank support for renewable energy  
Speaker: Anil Cabraal, Lead Energy Specialist
- International Finance Corporation support for private sector investments in renewable energy  
Speaker: Dana Younger, Senior Adviser, Renewable Energy & Sustainability, Infrastructure Department
- New programmatic instruments and approaches for benefiting from carbon finance  
Speaker: Ashok Sarkar, Senior Energy Specialist for Energy Sector Management Assistance Program

#### **4:15/4:30 pm**

##### **Meeting with Solar Energy Industry Association (SEIA)**

Point of Contact: Katherine Gensler (202-682-0556, ext. 93, [kgensler@seia.org](mailto:kgensler@seia.org))

Location: 805 15th Street, NW Suite 510

The Solar Energy Industries Association is the national trade association for the solar industry. SEIA works to expand markets, strengthen research and development, remove market barriers, and improve education and outreach for solar.

##### Topics for discussion

Overview of SEIA programs to promote solar energy; current challenges facing the solar energy sector & strategies to meet those challenges; the role of industry associations in developing renewable energy policies and markets

#### **Wednesday, April 30, 2008**

##### **10:15 Depart hotel**

##### **10:30 am – 12:00 pm**

##### **Meeting with American Wind Energy Association (AWEA)**

POC: Mary Kate Francis, Policy & Legislative Associate (202-383-2500)

Location: 1101 14<sup>th</sup> Street NW, (14<sup>th</sup> & L Streets) 12th Floor  
Speaker: Robert Gramlich, Policy Director

The American Wind Energy Association promotes wind energy as a clean source of electricity for consumers around the world. AWEA is a national trade association representing wind power project developers, equipment suppliers, services providers, parts manufacturers, utilities, researchers, and others involved in the wind industry - one of the world's fastest growing energy industries. In addition, AWEA represents hundreds of wind energy advocates from around the world.

Topics for discussion

Overview of AWEA programs to promote wind energy; current challenges facing the wind sector & strategies to meet those challenges; the role of industry associations in developing renewable energy policies and markets

**12:30 pm**      **Lunch – Timberlands** (just South of Florida Avenue, Dupont Circle)

**4:00 pm**

**Meeting with AES Solar**

Dora Elmore, (703-682-6652, Dora.Elmore@AES.com)

Location: 4300 Wilson Blvd, Arlington

Speaker: Robert F. Hemphill, Jr., Executive Vice President

Topics of discussion

Overview of the recent AES – Riverstone Holdings joint venture for solar energy project development; plans for solar project development in South Asia