FEATURED ACCOMPLISHMENTS FOR THE QUARTER

SOUTH ASIA LIGHTING TRANSFORMATION FORUM

USAID’s SARI/Energy sponsored the South Asia Lighting Transformation Forum in Male’, Maldives from 17 through 19 January 2011. Key collaborating organizations included the Regional Centre for Lighting at the Sri Lanka Sustainable Energy Authority (SLSEA), the Lighting Research Center (LRC) of Rensselaer Polytechnic Institute (RPI), and STELCO, the state-owned electricity company of the Maldives. The Forum assembled representatives from a wide array of stakeholder groups from each of the countries in South Asia. This included representatives of government agencies, electric utilities, NGOs, lighting manufacturers, and others with an interest in promoting effective, energy-efficient lighting throughout the region.

During the Forum, attendees heard presentations from individuals involved in lighting and related pursuits. Leaders in government, industry, finance, and academia presented information on:

- Market needs and opportunities
- Ways manufacturers can help transform the region
- Funding and collaboration opportunities
The Forum speakers included:

- Hon. Mohamed Aslam, Minister of Housing and Environment, Maldives
- Ms. Badra Jayaweera, General Manager, Ceylon Electricity Board, presented on behalf of Mr. M. M. C. Ferdinando, Secretary, Ministry of Power and Energy, Sri Lanka
- His Excellency Mohamed Nasheed, President of Maldives
- Her Excellency Ms. Patricia A. Butenis, U.S. Ambassador to Sri Lanka and Maldives
- Mr. Kapil Mohan, Deputy Director General, Bureau of Energy Efficiency, Government of India
- Mr. Upali Daranagama, Additional Secretary, Ministry of Power and Energy, Sri Lanka

Leading Government Representatives (in order of presentation):
- Hon. Mohamed Aslam, Minister of Housing and Environment, Maldives
- Ms. Badra Jayaweera, General Manager, Ceylon Electricity Board, presented on behalf of Mr. M. M. C. Ferdinando, Secretary, Ministry of Power and Energy, Sri Lanka
- His Excellency Mohamed Nasheed, President of Maldives
- Her Excellency Ms. Patricia A. Butenis, U.S. Ambassador to Sri Lanka and Maldives
- Mr. Kapil Mohan, Deputy Director General, Bureau of Energy Efficiency, Government of India
- Mr. Upali Daranagama, Additional Secretary, Ministry of Power and Energy, Sri Lanka
Global Lighting Manufacturers

- Cree, Inc. – Greg Merritt, Vice President, Corporate Marketing, USA
- GE Lighting – K. V. Harinarayanan, Director, Products, India
- OSRAM Sylvania, Inc. – Dr. Makarand H. Chipalkatti, Senior Director, SSL & Emerging Market Initiatives, USA
- Philips Lighting – Indranil Goswami, General Manager & Head, Lighting Application Services, India

World Finance and Development Organizations

- Asian Development Bank – Dr. Priyantha Wijayatunga, Senior Energy Specialist
- China Solid State Lighting Alliance program – Fu Yuan, CSA Consulting Department Manager
- Energy Conservation Mission – Dr. C.V. Rao, Coordinator, India
- IFC Lighting Africa – Dr. Anil Cabraal, Consultant, Sri Lanka
- Joint Apparel Association Forum of Sri Lanka – Rohan Masakorala, Secretary General
- TERI – Akanksha Chaurey, Director, Lighting a Billion Lives Campaign, India
- U.S. EPA Energy Star® Program – Peter Banwell, Director, Product Marketing, USA
- USAID – S. Padmanaban, Regional Program Director, SARI/Energy Program, India
- William J. Clinton Foundation – Pradeep Nair, Director, India

On the morning of the final day, attendees participated in breakout groups to develop various components of a road map that would identify strategies to accelerate the deployment of solid state lighting in South Asian countries. Each group was given the task to analyze a different lighting-related issue and present recommendations to the group. Group leaders then each presented their findings to all of the delegates, and final recommendations were developed based on these presentations. These recommendations are included in a “Road Map for Solid State Lighting Transformation in South Asia” that will be issued in June 2011 by the Regional Centre for Lighting.
ANNUAL MEETING OF THE REGIONAL CENTRE FOR LIGHTING

On 17 January 2011, the Regional Centre for Lighting (RCL), co-sponsored by SARI/Energy and the Sri Lanka Sustainable Energy Authority, held its second Annual Meeting. The event took place in Male’, Maldives, at the headquarters of STELCO, which is the state-owned electricity company of the Maldives.

The senior leadership of RCL reviewed its progress in 2010 and presented its strategic plan for 2011. A panel of external advisors from the Lighting Research Center of Rensselaer Polytechnic Institute, Troy, New York, USA; The William J. Clinton Foundation; the International Partnership for Energy Efficiency Cooperation; USAID’s SARI Energy’s Women’s Institute for Sustainable Energy Research (WISER), Trivandrum, India; and, Regional Center of Excellence for Micro-Hydro (RCEMH, Kathmandu, Nepal), offered their insights into how to position RCL and ensure its sustainable success.

LAUNCH OF SOUTH ASIA TRANSMISSION UTILITY REGIONAL NETWORK

Developing cross border energy trade is a major precondition to the formation of a regional energy market in South Asia. Cross border trading requires functional transmission interconnection between countries in the region and close cooperation of national transmission utilities that serve as transmission system operators. SARI/Energy, as a part of the program focus on regional cooperation, has been working continuously on these issues and as step forward has launched the
South Asian Transmission Utility Regional Network (SATURN) on March 21, 2011, in New Delhi, India.

The launch ceremony was presided over by Ms. Erin Soto, Mission Director, USAID/India. The ceremony was attended by delegates from six South Asian countries, namely Afghanistan, Bangladesh, Bhutan, India, Nepal, and Sri-Lanka. SATURN has been established as a member-managed organization with an objective to support the technical aspects of cross border energy trade and energy market formation throughout the South Asian region.

SARI/Energy continues the promotion of cross border trade via interconnections. These measures would enhance the reliability of respective national power system operations, increase cross border energy trading, optimize resource utilization, and facilitate energy security. To achieve these goals, SATURN is fostering cross-border dialogue, exchange of ideas and best practices, and increased contacts and conversation among regional countries and partner utilities.
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MEETING OF SOUTH ASIA TRANSMISSION UTILITY REGIONAL NETWORK

The South Asian Transmission Utility Regional Network (SATURN) held its first working meeting on March 22, 2011, in New Delhi, India. The meeting was attended by delegates from Afghanistan, Bangladesh, Bhutan, Nepal, and Sri-Lanka. Various topics related to need for cross border interconnections were discussed.

Participants exchanged thoughts and opinion on opportunities and challenges for close cooperation on cross border transmission interconnection in SARI/Energy region. Active discussion was held on ‘Draft under Preparation’ of “Developers’ Guidebook on Interconnections”, delegates suggested various value adding points which needs to be incorporated into the same.

Interesting findings highlighted during the working meeting included efficient utilization of energy supply for economic growth under the given deficit scenario in South Asia, which implies diversification of energy sources, improving energy efficiency, and expanding regional energy trade. Delegates opined that a common vision of cooperation in energy issues is required for mutual benefit.

ASSESSMENT OF BIOMASS RESOURCES IN AFGHANISTAN

The SARI/Energy Program sponsored an assessment of biomass resources in Afghanistan, which was conducted by the U.S. Department of Energy’s National Renewable Energy Laboratory (NREL), Golden, Colorado, USA. The study provides policymakers and industry developers with information on the biomass resource potential in Afghanistan for power and heat generation and for transportation fuels production. The authors assessed the biomass resources available in the country and evaluated potential resources that could support the development of bioenergy projects. To accomplish these objectives, agricultural, environmental, and socioeconomic data were analyzed.
statistically and graphically using geographic information systems (GIS). A GIS is a computer-based information system used to create, manipulate, and analyze geographic information. The results are presented in a tabular and geospatial format (maps) at a national, sub-national, and site-specific level. The full report can be downloaded from the NREL web site:

**29th PURC / WORLD BANK INTERNATIONAL TRAINING PROGRAM ON UTILITY REGULATION AND STRATEGY**

Under the **South Asia Regional Energy Regulation Partnership Program**, the U.S. Energy Association (USEA) sponsored six participants in the Public Utility Research Center’s (PURC) 29th International Training Program on Utility Regulation and Strategy. The two-week training course was specifically tailored to the professional requirements of utility regulators and regulatory staff and designed to enhance the economic, technical, and policy skills required for implementing policies and managing sustainable regulatory systems for infrastructure sectors. The program was a collaborative effort between the World Bank and PURC that encompassed more than 50 sessions that included case studies, practical exercises, and panel discussions with leading experts and international faculty.

The PURC training focused on seven key areas: market reform and regulation of network industries, financial analysis for utility regulation, principles and application of incentive regulation, non-price aspects of utility regulation, managing the introduction of competition in and for the market, rate structure, and managing the regulatory process. After listening to the presentations, participants worked in small groups on questions like choosing the structure of electricity market reform.

The SARI/Energy participants found the training to be very useful, especially the delegates from Bhutan and Nepal as they are in the process of setting up a regulatory commission. All delegates agreed that the information they received on media and public communication strategies and tariff setting were of critical importance and would be utilized immediately upon their return home.
Above: SARIE delegation at PURC from left to right: Mahendra Shrestha, Nepal Electricity Authority; Bandula Tilakasena, Ceylon Electricity Board; Karma Tshering, Bhutan Electricity Authority; Ted Kury, PURC staff; Jivendra Jha, Nepal Electricity Authority; Deki Choden, Bhutan Electricity Authority; Tricia Williams, USEA; and Kadinappulige Kanchana Siriwardena, Public Utilities Commission of Sri Lanka.

Above: Delegates at the Gainesville Regional Utilities’ South Energy Center, a highly efficient 4.2 megawatt hospital campus energy center.
EXECUTIVE EXCHANGE TO 35TH SOUTHERN AFRICA POWER POOL (SAPP) MEETINGS

The U.S. Energy Association organized a five-day executive exchange of South Asian electricity executives to attend the 36th Southern African Power Pool (SAPP) meetings in Victoria Falls, Zimbabwe, February 7 to 11, 2011. The event, hosted by Zimbabwe Electricity Supply Authority, was attended by six executives from Bhutan, Nepal, Pakistan, and Sri Lanka as part of the South Asia Regional Energy Transmission Partnership. The Minister of Mines and Energy of Zimbabwe officially opened the 36th SAPP meetings with remarks on the power pool’s role as the cornerstone of economic development in the region and needs to continue focusing on resolving the power problems as they play a crucial role in ensuring that surplus in one area help those in deficit areas.

The Southern African Power Pool, which is managed by the inter-governmental SADC (Southern African Development Community) headquartered in Gaborone, Botswana, is comprised of 12 countries, serving 230 million people. Over the course of the four-day annual meeting, the South Asian executives received a first-hand overview of the power pool’s governance and vision, its growth from a cooperative pool to a competitive power market, the functions of the SAPP Executive Committee and Market, Planning, Environmental, and Operating Sub Committees, and the mechanisms of the SAPP Coordination Centre, which researches and evaluates any disturbances and monitors the system.
As part of the South Asia Regional Renewable Energy Partnership Program, the U.S. Energy Association hosted six delegates from Bangladesh, Nepal, and Sri Lanka to attend the Renewable Energy World Conference & Expo in Tampa, Florida, March 7 to 11, 2011. The conference, attended by over 2000 U.S. and international participants, included technical tours on green buildings and advanced clean energy research; panel discussions on all renewable energy sectors including wind, solar, biomass, hydro, geothermal, as well as financing, policy developments and smart grid technologies; and abundant networking opportunities at the conference’s exhibition hall.

During the conference, delegates participated in a multitude of panel discussions and breakout sessions. Of particular interest to all SARI/Energy delegates were sessions on distributed solar PV development and financing in developing countries, biomass/waste-to-energy technologies, wind power supply chain development, and renewable energy venture development. Delegates also took full advantage of the conference exhibition hall and networking breakfasts, where they connected with renewable energy technology developers and vendors from the U.S. and Canada to discuss their countries’ technical and infrastructural needs in the renewable energy sector.

certifications. Guided by the building architects and facilities managers, the tours explained each building’s design features that reduce interior lighting, ventilation and cooling needs, including permanent exterior sun shades, LED lighting, white exteriors/rooftops, and low-flow plumbing fixtures. Delegates also participated in several private meetings with representatives from two Florida utilities – Tampa Electric and Progress Energy – to learn about their efforts to encourage renewable energy development within their service territories. In a separate meeting, Dr. Yogi Goswami and Dr. Lee Stefanakos of the University of South Florida’s Clean Energy Research Center hosted SARI/Energy delegates for discussions about distributed renewable energy development and feed-in tariff designs in Nepal and Bangladesh.

Above: SARI/E delegates outside the exhibition hall for the 2011 Renewable Energy World Conference & Expo. From left to right: Mr. Munawar Moin, Rahimafrooz (Bangladesh) Ltd.; Mr. Md. Fazlur Rahman, Pan Asia Power Services Ltd. (Bangladesh); Mr. Mukesh Kafle, Nepal Electricity Authority; Mr. Harsha Wickramasinghe, Sri Lanka Sustainable Energy Authority; Mr. M.M.C. Ferdinand, Sri Lanka Ministry of Power & Energy; Mr. Narayan Chaulagain, Nepal Alternative Energy Promotion Centre
Above: Facility managers from the LEED-Silver-certified Tampa Bay History Museum explain the mechanics of their super-efficient chiller system.

**EXECUTIVE EXCHANGE TO "EUROPEAN WIND ENERGY CONFERENCE 2011"**

On March 12 – 18, 2011, the **U.S. Energy Association** hosted nine senior energy representatives to the European Wind Energy Association (EWEA) Annual Event in Brussels, Belgium, as part of the South Asia Regional Renewable Energy Partnership Program. The delegation, represented by representatives from the countries of Bangladesh, Maldives, Nepal, and Sri Lanka, were exposed to the current issues and developing technologies being utilized in the area of wind energy generation in the European Union. The EWEA event is touted as one of the key wind events bringing together key policy makers, developers, contractors, and government entities to discuss the current needs of the sector and future developments. It was evident in all of the keynote presentations that there is a need for enforcing the current regulatory framework in regards to not only renewables but to also specifically wind. The market needs to be structured in a way that will allow countries to develop wind projects that not only benefit the country but the developer as well. Many speakers stated that renewables, especially wind, will be the way forward for many countries to meet their ever increasing energy demands.
As wind generation becomes the most developed source of renewable energy in the South Asia region, it was beneficial for the senior representatives from the SARI/Energy program to attend this event. Many of the countries represented have not only already completed feasibility studies to develop wind projects but have already put out a request for tenders to develop a wind project. For some of the countries, such as the Maldives, they were very interested in learning more about options for offshore wind development. With such a small country, offshore wind would be the best option for them to increase their energy supply.

Above: Delegation in front of a GE wind power blade.

Left: Delegates at the EWEA exhibition.
EXECUTIVE EXCHANGE TO "WORLD BIOFUELS MARKETS"

Under the South Asia Regional Renewable Energy Partnership, the U.S. Energy Association hosted nine energy professionals from Bhutan, the Maldives, Nepal, Pakistan, and Sri Lanka in Rotterdam, Netherlands March 21 – 25 to attend the World Biofuels Markets 2011 Conference and Exhibition. The World Biofuels Markets Conference and Exhibition, Europe’s largest biofuels event, brought together over 2,000 industry members, 250 expert speakers, and the most prominent biofuels companies. The conference focused broadly on the latest developments and future initiatives to develop and deploy biofuels on a commercial scale in power generation, aviation and transportation, waste management, and other commercial uses. The simultaneous “breakout sessions” enabled conference attendees to acquire specific information about the topics most interesting to them.

On the final day of the exchange, the delegation visited the Amer power plant owned and operated by Essent, an RWE company. The Amer plant produces 1245 MW of electricity and 600 MW of heat for local consumers from hard coal and biomass co-firing. Essent provided an overview of the plant’s operations and the research conducted to run a commercial-scale biomass co-firing plant. The plant uses 8 boiler units to combust hard coal and four units for biomass, currently operating on wood pellets imported from Canada, as Essent has found wood pellets to be the most cost-effective and efficient form of biomass.

The executive exchange served to promote regional cooperation and information exchange to overcome the hurdles currently facing greater implementation of biofuels as an energy source in South Asia. Delegates identified potential biogas models being used in Africa and Brazil that can be replicated in South Asia, as well as learned first-hand the practicality of adapting coal and gas-based plants to include biomass as a fuel source.
SOUTH ASIA & CENTRAL ASIA EXECUTIVE WORKSHOP ON BEST PRACTICES IN ELECTRICITY TRANSMISSION AND DISTRIBUTION

A “South Asia & Central Asia Workshop on Best Practices in Electricity Transmission & Distribution” was conducted jointly between USAID’s Central Asia programs and the SARI/Energy program, March 21 to 23, 2011 in New Delhi. Thirty-seven delegates from 11 countries were exposed to best practices for the operation of modern electricity systems, effective distribution and transmission policies, and emerging technologies for electricity systems, including Smart Grid. In each workshop session, the delegates examined the effectiveness of policies and technologies in each country’s electricity transmission and distribution systems. Day one of the workshop examined best practices in electricity transmission. Day two focused on low-carbon development strategies in the morning, and then involved a site visit to a local utility’s SCADA center, substation, and customer service center. The third day of the workshop focused on
electricity distribution. U.S. electric utility experts participated each day to provide U.S. perspectives and lessons learned.

Left: Mr. Jeremy Gustafson, Director, Clean Energy & Environment Office, USAID India addressing the opening session.
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**SMALL GRANTS PROGRAM**

Centre for Rural Technology Nepal (CRTN) and Shanti Samaj Kendra (SSK), Nepal concluded their projects in February and March 2011 respectively.

CRT Nepal’s project called ‘Piloting of Hydraulic Ram Pump Technology’ introduced the Hydraulic Ram Pump to the Dorambha and Gelu villages respectively of the Rammechap district, Nepal. Water for domestic use is in scarce supply in these hilly terrains of Nepal. Moreover, irrigation is completely rain-fed. The hydraulic pump installed under the CRTN project has helped ensure drinking water supply in twenty households in Dorambha and irrigation water (1000 litres of water per day per household) in fifteen households in Gelu.

The Shanti Samaj Kendra (SSK project called ‘Commercialization of Improved Cook stoves for Reduced Indoor Air Pollution in Rural and Aboriginal Settlements’ has trained local beneficiaries in Improved Cook Stoves (ICS) construction and repair, awareness generation on the use of ICS and on bio-briquette production using forest residues to help establish sustainable rural enterprises especially involving the youth. The Project was implemented by the Handikhola and Agra Village Development Committees (VDCs) of Nepal. The number of direct beneficiaries is 1569 people: 11 staff members trained by SSK for training others (“train the trainers”), 606 participants in courtyard session awareness generation programs, 322 participants in school session awareness generation programs, 590 participants in film screenings for awareness generation and 40 participants in trainings for manufacturing ICS. Seven trained participants have become entrepreneurs to disseminate stoves commercially. 360 ICSs (both mud-brick and metallic) in the two Project VDCs have been installed under the Project.
C O P Y R I G H T  ©  2 0 1 1  W I S E R

CAPACITY BUILDING OF WOMEN ON CLEAN ENERGY TECHNOLOGIES AND APPLICATIONS

Coinciding with International Women’s Day, WISER held a two-day workshop on March 8 and 9, 2011 for women self-help group members from Kerala in Solar PV LED lighting and Energy Conservation Awareness. Dr.CV Rao of Energy Conservation Mission has agreed to be the key resource person in the event.

Left: Recently installed Improved Cook Stove (ICS).
The General Council of USAID, Ms. Lisa Gomer, General Counsel, USAID / Washington and Ms. Pat Ramsey, Regional Legal Advisor, USAID/New Delhi, witnessed the workshop during the event. They also visited a local solar drying project during this visit.

In February, following a field visit, the centre documented the energy use experiences of the International Institute of Social Entrepreneurship (IISE), Vellayani, which has incorporated several modern and renewable energy technologies (solar, wind, biogas, etc) into its buildings. Also, as part of the preparation for operationalising the Centre’s Clean Energy Laboratory, an outline for the training modules, and collation of similar existing materials in the public domain have been documented and shared with technical experts. The Centre developed customised training modules, relevant for women in South Asia.

As part of the preparatory work for the laboratory, WISER worked with some off-site projects including setting up of a women's enterprise in fish drying in collaboration with Kudumbashree (a well known Self Help Group) and Technology Innovation and Design Endeavour (TIDE), Bangalore, India. An awareness workshop was conducted at Adimalathura attended by thirty five fisher women, followed by an exposure visit to Thrissur where some groups are already involved in the use of the technology. Ongoing activity involves collection of field data for setting up a similar project in Adimalathura and the SARI/E region. TIDE was the major cost sharing partner.

Ms. Erin Soto, the USAID/Mission Director visited EMC and WISER during the last week of March, accompanied by Ms. Meeta Parti, the USAID Communication Specialist, and Ms. Mercy Thomas, Regional Coordinator, SARI/Energy, USAID.
ONGOING AND FORTHCOMING ACTIVITIES

Cross-Border Trade

- **CASA 1000** - Tetra Tech and Hagler Bailly Pakistan continue to meet, and coordinate, with the CASA 1000 technical working group on the project development. In particular to review the following:
  - Assistance in preparation of the PC-1 form for the Pakistan transmission interconnection network.
  - Support on preparing the position papers for the power purchase price.
  - Assessment of transit fees.

- **Promoting Investment Opportunity in Power Sector in South Asia: Leveraging Cross Border Power Trading** - USAID SARI/Energy and the Confederation of Indian Industry (CII) jointly are organizing a one-day Round Table Conference Cross Border Electricity Trade on 27th of April, 2011 in Delhi. The focus of this Round Table would be to promote discussions about the energy trade between India and the neighboring countries, especially Nepal, Bhutan, Sri Lanka and Bangladesh. The conference will also discuss the key barriers including regulatory and policy framework, as well as ways to create an investment climate that encourage both public and private participants. This round table will have participation from the major stakeholder from Indian counterpart such as the Ministry of Power, Ministry of External Affairs, PGCIL, PTC, IL&FS and other partners involved in cross border trade. Likewise, it is expected to have senior level participation from South Asian countries like Bangladesh, Bhutan, Nepal and Sri Lanka who are directly involved in the cross border interconnection between the countries.

- **HVDC Hands-on Training** - This will be a three weeks of hands-on extensive Training at the HVDC back-to-back site. The training would be a batch of ten to twelve electrical power system engineers. The activity is planned to be in the fourth quarter of 2011.

- **“Transitioning the South Asian Energy Market: Advancing Low Carbon Growth Through Regional Cooperation and Cross-Border Energy Trade” Roundtable** - SARI/Energy and STELCO are jointly hosting a roundtable involving delegates from all the SARI/Energy countries in Male, Maldives, June 11 to 13, 2011. The roundtable will focus on renewable energy, energy efficiency, energy conservation, demand side management, and cleaner power, in their role in the cross border trade of electricity. Discussions will focus on cross border cooperation in the reduction of carbon dioxide and other carbon greenhouse gases (GHG) and mechanisms for the electricity sector to assist in driving climate change. The event will discuss regulatory, policy and market opportunities for cross-border trade in
clean energy through mechanisms such as renewable energy certificates to meet mandatory renewable portfolio standards.

Energy Markets

- Energy markets activities are part of the Cross Border Trade activities associated with the South Asia Transmission Utilities Network (SATURN) and with the promotion of wind energy projects in the SARI/Energy countries.

Clean Energy Access

- **Quantum Leap in Wind Power**: This will be the second workshop which is planned to in Manila, Philippines between 20th and 21st June, 2011. The program is organized jointly by ADB and USAID. The Workshop will be dedicated to wind power developments in Asia, with focus on sharing best practices in the Asia region and on highlighting project and policy successes along the project cycle, with an emphasis on eight areas: energy security, policy successes, developers’ interest, project financing, incentive design, supporting infrastructure (grid, roads and ports); role of institutions and regional cooperation and bankable wind resource assessment. There is to be senior level participation from six SARI/Energy countries, i.e. Afghanistan, Bangladesh, Maldives, India, Pakistan and Sri Lanka.

- **Executive Exchange to “Hydro Vision International 2011” Conference and Exhibition** - As part of the South Asia Regional Energy Partnership Program, SARI/Energy will be hosting participants to attend the "Hydro Vision International 2011," July 18 to 22, 2011 in Sacramento, California, as well as take part in an additional day of relevant site visits and meetings. HydroVision International will highlight perspectives on the role of hydropower, explore issues affecting hydro resources, and help participants develop a vision to meet challenges and ensure the future sustainability of hydro. This event will bring together a broad range of global hydro professionals with environmental, technical, social, and regulatory perspectives. At Hydro Vision 2010, over 2,500 industry members were in attendance, with over 250 exhibitors. The focus of the exchange is the implementation of advanced hydropower technology. The target South Asian participants will be managers or engineers that build or operate hydro facilities.
Executive Exchange to “2011 ACEEE Summer Study on Energy Efficiency in Industry” – As part of the South Asia Regional Energy Partnership Program, SARI/Energy will be hosting participants to attend “2011 ACEEE Summer Study on Energy Efficiency in Industry” in Niagara Falls, New York, July 26 – 30, 2011. At the conference, participants from around the world will gather to discuss technical, policy, financing, and program issues related to increasing energy productivity in industry. The central themes of the conference will be new green technologies; energy productivity research and development; smart industrial processes; utilization of waste energy and carbon sequestration; life-cycle analysis and supply chain; workforce development; regulations and public policy; and effective partnerships. The conference serves as an opportunity for SARI/Energy participants to exchange ideas and learn information about the critical technologies and practices leading the way for energy efficiency.
ABOUT SARI/ENERGY

US Agency for International Development's SARI/Energy program promotes energy security in South Asia through three activity areas:
1) Cross-border energy trade
2) Energy markets
3) Regional clean energy access

Through these activities SARI/Energy facilitates more efficient regional energy resource utilization; works towards transparent and profitable energy practices, mitigates the environmental impacts of energy production, and increases regional access to energy.

SARI/Energy countries include Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka. SARI/Energy implementing partners include Tetra Tech, and the United States Energy Association (USEA). SARI/Energy provides support to partners and stakeholders on pre-feasibility studies, technical assistance, advisory services, training, peer exchanges, mapping and project development in each of the three core areas.

SARI/Energy Daily News Roundup

USEA distributes a daily bulletin of energy-related news from the SARI/Energy countries, along with notices of SARI/Energy activities and special events. The bulletin is distributed via email and includes web links to related articles. To receive the South Asia Energy Daily Online News Roundup contact: sarienews@usea.org

SARI/Energy Web Page

For current information on SARI/Energy activities, please visit the web page: www.sari-energy.org

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