



October 2004

e-Newsletter of the International Institute for Energy Conservation (IIEC)

Top Story



Join IIEC's 20th Anniversary Celebration

Since its founding in 1984, IIEC has expanded to become an international non-profit organization with offices on five continents (Washington DC, London, Rio de Janeiro, Johannesburg, Mumbai, Delhi, Bangkok, and Manila) staffed by dedicated teams of local energy professionals. To celebrate the 20th anniversary of its founding, IIEC will be hosting a reception in Washington, DC on the evening of Thursday 28 October 2004, from 17:00 to 20:00. The reception will be open to all in the sustainable energy community. It will feature a panel discussion with past board chairs and presidents of IIEC, including Rob Pratt of MASSCOM; John Fox of Perseus, LLC; Russell Sturm of the International Finance Corp.; Peter Garforth of Garforth International; and Griffin Thompson of the U.S. Department of State. The panelists will reflect on their experience within IIEC and afterward, and share their ideas and pragmatic solutions for scaling up and mainstreaming energy-efficiency in the developing world. Come, have a drink, share stories and anecdotes, and contribute to the discussion. For more information, visit the IIEC web site (www.iiec.org) or contact Dr. Nitin Pandit at npandit@iiec.org.

Other Stories



IIEC Conducts DSM Assessment in Lao PDR



Kick Off Meeting (Left to right): Maypheth Phonphila, EdL; Khamso Kouphokham, MIH; Sommai Phon-Amnuaisuk, IIEC; Felix Gooneratne, Managing Director of IIEC Asia, Grayson Heffner, Consultant to ASTAE and the World Bank; and Morten Larsen, Consultant to the World Bank

The World Bank, in association with the Global Environment Facility (GEF), is planning to undertake the Southern Provincial Rural Electrification II Project (SPRE II) in Lao PDR to expand rural electricity service in the central and southern provinces by extending the grid to some 50,000-75,000 households and providing electricity via off-grid technologies (including solar, village hydro, and distributed engine-generator sets) to another 18,000 households. SPRE II will also advance the power sector reform agenda in critical areas such as completing the commercialization of Electricity du Laos (EdL), continuing the process of tariff policy reform for the EdL grids, and creating a Demand-Side Management /Energy Efficiency (DSM/EE) program within EdL.

IIEC has been contracted to conduct a preliminary assessment of the DSM/EE potential in Lao PDR and to develop a strategy, program plan and institutional arrangements for DSM implemented through a DSM Cell to be established within EdL. The assignment, which will be completed during October 2004, is to conduct the background study, organizational planning and program development necessary to prepare EdL to undertake the DSM activities to be funded under SPRE II. In a parallel capacity-building project, a delegation of Lao officials will undertake a DSM study tour to assess and learn from DSM programs in Vietnam, Thailand, and Malaysia. The study tour is being coordinated by Danish Energy Management A/S. For more information, contact Felix Gooneratne at fgooneratne@iiec.org.



Vietnam Commercial Energy Efficiency Pilot Program Kicks Off

In August 2004, IIEC was selected to provide technical assistance for a 3-year Commercial Energy Efficiency (EE) Pilot Program in Vietnam sponsored by the GEF through the World Bank. The Commercial EE Pilot Project will seek to test appropriate business models and mechanisms to catalyze a small and sustainable service market to support EE investments in Vietnam. This would be achieved by supporting a small group of commercial service providers or "Project Agents" in all phases of EE project identification, development and implementation. The overall objective of this project is to develop the capability of Project Agents (equipment manufacturers, equipment suppliers, technical service providers, financial service companies) to implement a critical mass of pilot projects in the commercial sector to test the appropriate business models and establish a sustainable service market to support EE investments in Vietnam. IIEC will be conducting a comprehensive training program for all stakeholders and provide on-site assistance in project development and implementation. For more information, contact Felix Gooneratne at fgooneratne@iiec.org.



Training Kenyans in Financial Engineering

The Kenya Association of Manufacturers recently conducted its 4th Training Course in Financial Engineering. The training was intended to increase the capability of industry engineers and managers to develop bankable energy efficiency projects and help them integrate energy efficiency into the operation of their organizations. It also aimed to leverage the delivery of the financial training course by developing the capability of local consultants to conduct similar financial engineering courses in the future. The IIEC team of Lei Dealino, Wayne Abayan and Ian Househam conducted the first training module during 6-10 September 2004 in Nairobi, with 13 participants from industry, utilities, consultancy firms and the academia. The second training module was held during 4-8 October, led by the IIEC Team of Lei Dealino, Bos Dewey, and Mahendra Jayalath. The training was supported by the Global Environment Facility, the United Nations Development Program, and the Government of Kenya. For more information, contact Ms. Lei Dealino at idealino@iiec.org



Participants of the Kenya Financial Engineering Training Course during 6-10 September 2004, together with local consultants; staff from the GEF project management office and the Kenya Association of Manufacturers; and IIEC trainers



Harnessing IT Tools for Project Finance Training

Presenting useful information on energy efficiency and project finance to industrial and commercial facility managers is always a challenge. IIEC and PA Consulting have been working with Electrobras, the Brazilian electric utility, to create a novel approach to this problem. Under a World Bank program, IIEC is assisting in the development of an interactive Project Development and Finance Guide, which will be made available on a web portal sponsored by PROCEL, Electrobras's energy-efficiency unit.

In place of the normal static display of information, the consulting team has been creating a web-based technical guide that allows the user to view the project development process as an interactive diagram, in which they can access information and/or decision support models that correspond to their own stage of project development. The guide then walks through each step and allows the user to develop the documentation (e.g., business plans) and financial analysis (including analyses of both debt and equity) needed to enable management and financial institutions to evaluate the economic soundness and returns of their project. The web-based finance guide will be in Beta demonstration phase by early November, and will be finalized by the end of the year. For further information, contact Bosworth Dewey at bdewey@iiec.org.



CLASP Launches New Web Site, and Partnership with APEC

IIEC, a founding member of Collaborative Labeling and Appliance Standards Program (CLASP), has led a team of technical experts in upgrading the CLASP website, www.CLASPOnline.org, which serves as the Internet-based energy standard and labeling (S&L) information clearinghouse for global S&L communities and also as the virtual home for CLASP. The new CLASP website is better able in providing global information on energy standards and labeling programs. It also enables visitors to access information dynamically and in multiple formats. CLASP has also developed a sponsorship agreement with APEC to enhance APEC's Energy Standards Information System (www.apec-esis.org). The resulting, integrated, global database will enhance the user experience by providing more comprehensive and up-to-date information on S&L test data, minimum standards and labeling programs worldwide.

With the APEC linkage, the new CLASP web site will offer up-to-date information on S&L programs from more 60 countries around the world. A new design search-engine allows visitors to easily search and download more than 100 S&L related documents and tools from the CLASP online library. In addition, up-to-date S&L programs and new publications are added to the site every month. For more information, contact Mr. Sommai Phon-Amnuaisuk at sphonamnuaisuk@iiec.org.



Homepage of the new CLASP website (www.clasponline.org)



Solar Thermal for Sustainable Development in Thailand and India

Boilers and hot water generators are major consumers of energy in all sectors. The renewable energy industry has long proposed the integration of solar-thermal technology as one important measure for efficiency improvement. However, while solar-thermal hot water systems have made significant inroads in some markets, their use in industrial and commercial settings has been minimal. As a part of IIEC's Solar-Thermal Market Facilitation Initiative (STMFI), ground-breaking projects in India and Thailand are being pursued to demonstrate commercial applications of solar-thermal system integration for boiler feed-water pre-heating. UNDP Thailand's GEF Small Grant Programme recently backed IIEC initiatives on Solar Thermal applications for communities in Thailand.

Two concepts for solar thermal applications - one for fish drying in Supanburi province and one for hot water in a municipal slaughterhouse in Rayong province -- received preliminary approval from UNDP Thailand. Both communities were invited to participate in the GEF Small Grant Programme workshop organized in Bangkok, Thailand, on September 22-24, 2004. These two projects are expected to receive final approval in November 2004, and implementation will commence next year. For more information, contact Mr. Sommai Phon-Amnuaisuk at sphonamnuaisuk@iiec.org.



Renewable Energy Working Group was giving a presentation during the GEF Small Grant Programme workshop organized by UNDP Thailand on September 22-24, 2004



A Strategy for Developing an LPG and Solar Thermal Hybrid

At the annual meeting of the World LP Gas Association in Berlin, Germany on 28-29 September, IIEC presented case studies of ongoing work and testing of LPG-solar thermal hybrids in India and South Africa. IIEC President Dr. Nitin Pandit described how the hybrid technology was an innovative approach to differing motivations in the two cases: in India, it is being driven by DSM programs for the unbundled distribution utility in Bangalore; and in South Africa, it is motivated by environmental health issues in Orange Farm. He also noted that the technical improvements in the hybrid system were characterized by simplicity and a novel design methodology. For more information on the Indian case, which aims to engage 25,000 customers in a pilot, contact Mr. Mahesh Patankar at mpatankar@iiec.org. For more information on how the case study in Orange Farm also meets the South African government's Black Entrepreneurship Empowerment program goals, contact Mr. Ian Househam at ihouseham@iiec.org.