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

Top Stories



IIEC Founder Leads the Way in Renewables



Robert L. Pratt

Rob Pratt, who co-founded IIEC in 1984, was featured recently in the Wall Street Journal for his role in helping US states lead the way in the development of large scale applications of renewable energy. Rob's efforts to demonstrate how renewables can play a vital role in US energy policy are pioneering at a time when fossil fuel consumption has become the Achilles' heel of US relations with the rest of the World. As Director of the Renewable Energy Trust in Massachusetts, Rob brings more than 25 years of experience in renewable energy and energy efficiency project development, policy and advocacy. In addition to serving on the IIEC Board, he also is the Chairman of the Board of the American Council for Renewable Energy (ACORE), a non-profit organization based in Washington, D.C. focused on bringing renewable energy into the economic mainstream in the U.S.

For full article, please visit <http://webreprints.djreprints.com/1244350607845.html>.



Switching from Paraffin & Coal to LPG: Promoting Energy Awareness through Drama

South Africa's low-income households are now better equipped to select their domestic energy options through an innovative IIEC project currently funded by USAID. This project promotes awareness of liquid propane gas (LPG) to consumers through the practical demonstration of LPG as a more healthy and environmentally friendly cooking fuel. The project has effectively engaged with the local community by developing a short drama performance that aims to raise awareness of the benefits to householders of using LPG in an entertaining and informative way. This piece of theatre has been performed in conjunction with practical demonstrations in schools, clinics and community centers within two townships in Gauteng, South Africa.

IIEC works closely with ten community members, who live in these target communities of Orange Farm and Fine Town. Our field workers are already respected within their communities (some are health-workers) and conduct the practical demonstrations of LPG in a variety of locations accessed by the public. All the field-workers have proved to be highly accomplished performers and our drama, which premi?red at the official opening of Thuthukani Tswelopele Primary School, has been very well received, judging by the rapt attention of our audiences! We hope to develop this performance further and "roadshow" it around the township communities. This project was also highlighted in the in the LP Gas Africa, the magazine of the LP Gas Safety Association of Southern Africa (see http://www.plumbingafrica.co.za/lpgas_iiec_1Q2005.htm). For more information, please visit www.iiec.org or contact Ian Househam at ihouseham@iiec.org.

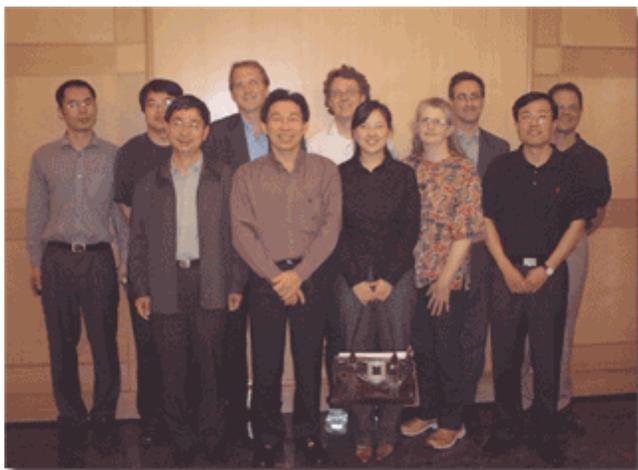


Cooking for the Feast - LPG Donated by IIEC

Other Stories



Moving Forward The Next Generation of ELI



IFC, CSC and International Consultants at the First ELI Team Meeting in Shanghai

The Efficient Lighting Initiative (ELI), implemented by the International Finance Corporation (IFC) between 1999 and 2003 in Argentina, Czech Republic, Hungary, Latvia, Peru, Philippines and South Africa, has demonstrated a substantial market impact, especially on sales and prices of CFLs in the original seven countries. IFC is now using the ELI brand as a springboard to launch a self-sustaining, fee-based, quality certification service for efficient lighting products worldwide, with an emphasis on developing countries. The China Standard Certification Center (CSC) will administer the next generation of ELI. IIEC will be a part of the international consultant team assisting CSC to extend product certification to a wider range of efficient lighting technologies worldwide, including promotion of promising new technologies, such as light-emitting diodes (LEDs). The ELI Team is led by Mr. Li Tienan of CSC, and the international consulting team includes Mr. Nils Borg, International Cooperation and Financing; Dr. Peter du Pont (Danish Energy Management A/S and IIEC Board Chair), Asia Outreach; Dr. Gilberto Januzzi, Latin America Outreach; and Mr. Sommai Phon-Amnuaisuk (IIEC-Bangkok), Manufacturer Liaison. Dr. du Pont will work to develop ELI program partners throughout Asia. Mr. Phon-Amnuaisuk will assist CSC to approach international lighting manufacturers to seek and initiate their cooperation, to integrate ELI with available resources of other energy efficiency market transformation programs in the region, and to coordinate this effort with other international consultants. For more information, please contact Sommai Phon-Amnuaisuk at sphonamnuaisuk@iiec.org.



Sharing IIEC's Efficient Lighting Experience in Right Light 6

IIEC shared its highly successful efficient lighting implementation experience in Sri Lanka and India with the international community at the 6th International Conference on Energy-Efficient Lighting (Right Light 6 - RL6), held in Shanghai, China 9-11 May 2005, hosted by the International Association for Energy Efficient Lighting (IAEEL), in association with the internationally supported China Green Lights Project. A total of more than 100 papers were presented at the Right Light 6 Conference. Among the papers, was a presentation on the promotion of compact fluorescent lamps (CFL) by Felix Gooneratne. The paper focused on the evolutionary experience of implementation of CFL programs by utilities, first in Sri Lanka and most recently in Bangalore, India. For more information, please contact Felix Gooneratne at fgooneratne@iiec.org.



Felix Gooneratne, IIEC Asia Director, presenting IIEC's CFL Experience in Sri Lanka and India



International CFL Harmonization Initiative Launched at Right Light 6

Also at the Right Light 6 Conference in Shanghai, more than 80 delegates, including IIEC, participated in a special session hosted by the Australian Greenhouse Office (AGO) covering compact fluorescent lamps (CFLs). At this session, key lighting policy makers, practitioners, manufacturers, researchers and academics from around the world participated in the discussion with the objectives to agree to the principles of harmonization and to map a route forward. The participants agreed in principle to work toward creation of a uniform test method, covering the various performance features of self-ballasted CFLs; to carry out round-robin testing of CFL performance at a range of international test laboratories; to work toward a common set of "tiers" of voluntary performance specifications for CFLs; and to work collaboratively and engage the international lighting community in this International CFL harmonization Initiative. A special web site has been set up on the APEC ESIS web site to serve as a clearinghouse for information and progress on the CFL initiative. For more information, you can visit <http://www.apec-esis.org/cfl/>.



Promoting Private Sector Energy Efficiency Investment in Vietnam



IIEC's Project Finance Specialist, Angelica Dealino presenting at the Orientation Program

IIEC has been selected by the World Bank to provide training to the private sector in promoting energy efficiency investment in Vietnam. This training effort is part of a four-year Commercial EE Pilot Program executed by the Ministry of Industry in Vietnam, aimed at testing business models for EE project implementation. The capacity-building program undertaken by IIEC will include energy service providers (Project Agents); site owners interested in EE projects (Project Proponents); and financial institutions (Financial Service Providers).

The training program for the Project Agents includes all aspects of the project development cycle - energy auditing, economic & financial analysis, contracts, monitoring & verification, project management and marketing. Financial Service Providers will undergo training in appraisal of EE Investment proposals. The training will be conducted in Hanoi and Ho Chi Minh City over a three-year period.

The training program commenced in January 2005 with orientation programs for the stakeholders. This was followed by training in energy auditing and economic & financial analysis in April and May 2005. As a part of the training, IIEC will be developing two projects (a textile factory and a hotel) that will serve as case studies for the program. The IIEC project team includes two partners from Sri Lanka - EnergySolve Ltd and LTL Energy Ltd who have practical experience in EE project implementation.

For more information, please contact Felix Gooneratne at fgooneratne@iiec.org.



Monitoring Energy Efficiency Targets in South Africa

After more than a year awaiting ministerial approval, South Africa's Energy Efficiency Strategy was officially launched in May 2005. As one of the world's highest per-capita emitters of CO₂, South Africa recognizes the importance of the role of energy efficiency in combating climate change. In addition to the global environmental impacts of an energy-intensive economy, and the health impacts of residential fossil fuel use, South Africa also faces the prospect of power shortages, as the growing demand for electricity threatens to outstrip currently installed capacity in the near future. The Energy Efficiency Strategy thus has to strike a balance between a range of different goals.

Under the Danida-supported CaBEERE program (Capacity Building in Energy Efficiency and Renewable Energy), IIEC-Africa is assisting the Department of Minerals and Energy (DME) in the development of the monitoring system. On this project, IIEC is working with Danish Management Group, which has extensive international experience in program monitoring & evaluation schemes. Following a review of international best practice in energy efficiency monitoring, the IIEC team staged two stakeholder workshops in April. These aimed to engage the involvement of, and seek feedback from, key organizations and individuals who are seen as data providers. The monitoring progress towards the achievement of energy efficiency targets is very data-intensive, so buy-in [Extra Space in layout] from these stakeholders is crucial to the success of the system. The outcomes of these workshops are currently guiding IIEC towards the final definition of the data that are required (and that can be realistically collected) for effective monitoring. For more information, please contact Ian Househam at ihouseham@iiec.org.



Water-Energy-Biomass (WEB) Co-Management Project

In India, IIEC is implementing a USAID-funded project to develop a model for the co-management of water, energy and biomass. The Water-Energy-Biomass (WEB) Project has been designed to improve the efficiency of water and electricity use in biomass production and the use of biomass in improving water and electricity supply. The project covers 5 villages, over 5147 ha and a population of 11800. The analysis confirms that in the agriculture sector in India, inefficient use of any individual resources, say energy, results in falling yields in water and biomass resources, and efficiency in individual resources benefits all others.

The implementation of the Water-Energy-Biomass (WEB) project requires large scale grass root intervention as it addresses concerns in multiple sectors. Government departments namely, ground water, irrigation, agriculture; marketing and electricity have a direct presence in the rural areas and individually implement various initiatives. The WEB project is being implemented through relevant government agencies, as this would facilitate the mainstreaming of the multi-sector program into government policy and planning. The Centre for Sustainable Technologies (CST), in the Indian Institute of Science (IISc) is a key partner in evaluation, design and implementation of the biomass component of the project. Local communities are closely associated with the project from the initial stage of baseline data collection, through periodic discussions. The village committees have passed resolutions, accepting the biomass-based power units and the WEB interventions, creating a higher degree of ownership among the villagers.

The project is unique in its blend of technological, policy level and social interventions. For more information, please contact Sanjay Dube at sdube@iiec.org.



Storing of Ground Water in an Open Ditch - Wastage of Water & Energy

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