

Newsletter of the International Institute for Energy Conservation (IIEC)

November 2011

# Highlights in this issue



### IIEC Awarded Major Energy Efficiency Project in the Pacific

The International Institute for Energy Conservation (IIEC) has been awarded a 3-year multi-million dollar energy efficiency project in the Pacific Islands by the Asian Development Bank. The project covers Cook Islands, Papua New Guinea, Samoa, Tonga and Vanuatu.

The objective of the Promoting Energy Efficiency in The Pacific: Phase 2 (PEEP2) project is to stimulate energy efficiency through demand-side energy efficiency improvements in the residential, commercial, and government sectors in each of the five countries. The project will focus on reducing energy intensity, thereby enhancing energy security, making energy services more affordable to end-users, and reducing greenhouse gas emissions.

To achieve the proposed objective, the IIEC will start by setting up and improving the access to comprehensive information on energy use in each country to aid in decision making and policy development. Thereafter, the IIEC will use the information gathered to establish and support development of energy efficiency practices and programs, and support information dissemination and public awareness on energy efficiency best practices.

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



## Capacity Building for Energy Efficiency and Cleaner Production Financing in Indian MSMEs

In the framework of the Financial Cooperation between India and Germany, German KfW banking group has extended lines of credit (LoCs) for promoting energy efficiency (EE) credit line and clean production (CP) to the Small Industries Development Bank of India (SIDBI).

The lines of credit (worth a total of EUR 88.5 million) are targeted for investment loans for EE and CP measures in existing micro, small, and medium industrial enterprises (MSME) in India. The consulting consortium of International Institute for Energy Conservation (IIEC), Adelphi Consult (Adelphi), and Triodos Facet Consulting (Triodos) were contracted by KfW/SIDBI to provide Technical Assistance to both the credit lines. The aim was to assist SIDBI and potential clients of the credit lines in identifying, planning, evaluating and implementing investments eligible under the two credit lines and capacity building of Energy Efficiency Centre (EEC) and Branch officers of SIDBI on KfW LoCs and aspects of EE and CP.



Overall, about 25 officers of SIDBI at various positions of management and operations of SIDBI were trained. In their feedback they have expressed that they are now confident to examine the proposals received from their respective branches.

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#### Bringing Rural Villages Closer to Renewable Energy in Cambodia

The IIEC is designing, producing and disseminating a series of promotional materials on renewable energy as part of the Renewable Energy Promotion and Awareness Program (REPA) from the Rural Electrification Fund (REF) in Cambodia. The program is funded by a World Bank / Global Environment Facility grant and the Rural Electrification Fund.

REF was established by the Royal Government of Cambodia and is responsible for implementation of renewable energy projects in rural areas such as Solar Home Systems, Mini/Micro Hydro and Biomass Gasification. The REF's aim is to ensure the Cambodian rural population have access to affordable electricity in remote areas with no electricity supply.

The IIEC's objective under the REPA program is to raise awareness on renewable energy at both rural and national level. The need for promotional and educational resources on renewable energy is paramount to gather interest and support from rural communities and investors. The promotional materials developed by IIEC include TV and radio spots, gimmicks, video presentations, brochures (as shown in the figure on the right in Khmer), promotional



events in rural villages, website, workshop for promoting investment in micro/mini hydro and biomass gasification projects and many more.

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#### Philippine President Switches-On Energy Efficient Lights

On August 19, 2011 no less than the President of the Philippines, Benigno Simeon Aquino III, led the official switch-on of new energy efficient park lights in Baguio City, Burnham Park Complex. The city is considered the Summer Capital of the Philippines and the park is one of its most popular tourist destinations.

The retrofitting of the park lights was implemented under the Public Lighting Component of the Philippine Energy Efficiency Project (PEEP) which is being funded through a combination of a loan and grant from the Asian Development Bank and implemented with the support of the IIEC. The objective is to demonstrate and promote energy savings through the adoption of efficient lighting technologies for public lighting. This includes replacement of 160W mercury vapor lamps with 70W high pressure sodium vapor lamps and the replacement of 358W decorative lamps with 15W bollard type compact fluorescent lamps.



Total energy savings are expected to reach 293.4 MWh per year equivalent to a total monetary savings of P2,934,000 or US\$68,200 per year. With a project cost of about P6,400,000 or US\$148,800, payback period is estimated to be 2.5 years and emission reduction is estimated at 158.4 tons of carbon dioxide (tCO2) per year.

For further information, please contact Angelica Dealino - adealino@iiec.org



### Setting the Road Map for State Clean Energy Funds in India

The UK Foreign & Commonwealth Office (UK-FCO) has commissioned the IIEC to design a road map for State Clean Energy Funds for end-use energy efficiency and renewable energy projects.

The objective is to assess options available to the states in India to create clean energy funds using public benefits charge. The IIEC is currently in the process of identifying interested states that can benefit from design of State Clean Energy Fund and the associated implementation model.

IIEC's tasks include:

- Development of a detailed "State Clean Energy Fund" design document that can be used as a discussion paper for any public commenting process.
- Development of a structure that can potentially be issued by the Regulatory Commissions and/or define a process to include collection of such a fund in the tariff-setting mechanism.
- Development of a Roadmap for establishment and implementation of a State Clean Energy Fund including narration on regulatory decision-making requirements.
- Development of a Manual on Establishing State Clean Energy Funds by state governments in India that includes Best Practices examples of PBCs from USA, Europe and Asia.

IIEC convened the first Stakeholder Roundtable on August 2011 in Mumbai to discuss the findings. The Stakeholder Roundtable was attended by Chairpersons of three Electricity Regulatory Commissions, representatives of banking/financial institutions, legal experts, UK-FCO programme management team, and IIEC project implementation team.

Following discussions, Dr. Nitin Pandit, President of IIEC, summarized and highlighted a number of key points made regarding the Clean Energy fund design, management structure, revenue source, partnerships, operation and application. These will be incorporated in a final report to the UK-FCO.

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



#### **About IIEC**



The International Institute for Energy Conservation (IIEC) was established in 1984 as a non-governmental (NGO), not-for-profit organization, in order to foster the implementation of energy efficiency in developing countries and countries in transition. IIEC's mission is to accelerate the global adoption of energy efficiency, transport and environmental policies, technologies and best practices to enable sustainable economic and environmental development.

For the past 25 years, IIEC has been providing solutions to the problems posed by the rapid increase of energy demand in developing and industrializing countries. IIEC has an established niche as a provider of novel solutions with the flexibility to work simultaneously with multilateral institutions, governments, academic and research institutes, industry and nongovernmental organizations.

• If you do not wish to receive IIEC E-Notes, please reply to e-notes@iiec.org with the word "UNSUBSCRIBE" in the subject line.



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