






## Highlights in this issue


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Raising Awareness on Solar Home Systems in Rural Villages and National TV in Cambodia
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
An Approach to Mainstream Energy Efficiency in Thai Municipalities
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Distribution Commences in Malawi CFL Program
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IIEC Supports UNEP on Solar Water Heating Market Assessment
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Creating a Climate Change Action Database for ASEAN Region
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
APEC Publishes IIEC Report on LED Street and Outdoor Lighting
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IIEC Supports UNDP and Thai Ministry of Energy Setup an Energy Efficiency Project
- 

Feasibility Study of TopTen India



## Raising Awareness on Solar Home Systems in Rural Villages and National TV in Cambodia

 IIEC successfully concluded a series of promotional activities 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.

IIEC organized a workshop entitled “Promoting Renewable Energy Projects in Cambodia” in Phnom Penh on the 8<sup>th</sup> December 2011. The objective was to trigger greater discussion and interest on renewable energy financing for rural electrification in Cambodia. A total of 49 participants attended the workshop including government officials, commercial banks, Rural Electricity Enterprises (REEs) and international development agencies. The workshop also involved a visit to two biomass gasification plants outside Phnom Penh. The workshop participants highlighted the current challenges in securing financing for renewable energy projects for rural electrification and the limited knowledge of local commercial banks on renewable energy financing.

Solar Home Systems (SHS) play a key role in the REPA project as a total of 12,000 SHS are being installed by REF in rural villages throughout Cambodia. Therefore, IIEC organized on-site events in rural villages to promote solar energy, SHS and REF as well as engaged and educated rural people on these topics. An effective educational video, developed by IIEC, was shown to the villagers during the event. Each event was attended on average by 200 people and a number of promotional materials were distributed such as t-shirts, caps, calendars and bags.

To further enhance SHS awareness and promotion in rural villages and at national level, IIEC disseminated a radio and TV spot on provincial radios and national TV respectively. All the materials produced by IIEC for this project are now available online at <http://www.repacambodia.net>




▲ On-site Event in Kampong Speu Province (left) and Workshop Attendees (right)

For further information, please contact David Morgado - [dmorgado@iiec.org](mailto:dmorgado@iiec.org)

Back to Top
 

## An Approach to Mainstream Energy Efficiency in Thai Municipalities


 IIEC organized a National Workshop in Bangkok in February 2012 to discuss viable approaches to mainstream energy efficiency in Thai municipalities and Local Government Administrations (LGAs). The workshop was a part of the Mainstreaming Energy Efficiency Measures in Thai Municipalities Project (MEET), funded by the Asian Development Bank (ADB). The MEET Project was designed to improve Thailand's energy security and reduce greenhouse gas emissions by supporting the Provincial Electricity Authority (PEA) in promoting energy efficiency initiatives in Thai municipalities.

The workshop was attended by more than 80 representatives from Thai Municipalities, government agencies, academic institutions, consultants, and Energy Service Companies (ESCOs). Based on the discussions, it was clear that most municipalities are interested in implementing energy efficiency measures, depending on budget available. The key challenges are: securing financing, and limited knowledge from municipal staff on successful energy efficiency projects. The project findings indicate that the sale of carbon credits through the Clean Development Mechanism (CDM) could be a viable option for external funding and therefore improve financial viability of EE investments in Thai municipalities.




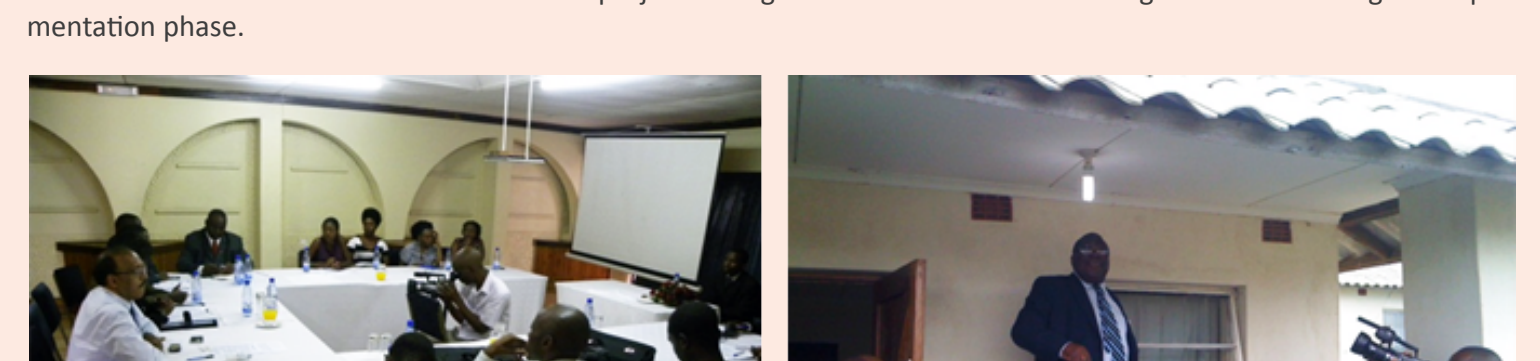
▲ National Workshop for MEET Project in Bangkok (9 February 2012)

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Back to Top
 

## Distribution Commences in Malawi CFL Program

 The 2 million Compact Fluorescent Lamps (CFLs), procured for Malawi under the UK Department of International Development (DFID) funded Energy Efficient Lighting Program, were delivered at the end of January 2012. Philips was selected as the supplier after an international tender and the CFLs are designed for extended life of 10,000 hours and carry a two year warranty. The program was officially launched on the 1<sup>st</sup> February 2012 by the Hon. Minister of Natural Resources, Energy and Environment Mr. Goodall Gondwe. The electric utility, Electricity Supply Corporation of Malawi (ESCOM), undertook a pilot CFL installation program in 500 households to test the proposed procedures. The nationwide program will be rolled out in April 2012 and a comprehensive monitoring and verification plan is in place to quantify the energy savings (which is estimated to be 50 MW of peak demand). The program also includes a lamp waste management strategy for both fluorescent lamps and incandescent bulbs that will address the current health risks through lack of awareness. IIEC is the Lead Consultant in this project having undertaken the detailed design and now leading the implementation phase.




▲ Press Conference on CFL Safety Issues (left) and Official Launch of Malawi CFL Program by the Hon. Minister of Natural Resources, Energy and Environment Mr. Goodall Gondwe (right)

For further information, please contact Felix Gooneratne - [fgooneratne@iiec.org](mailto:fgooneratne@iiec.org)

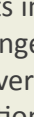
Back to Top
 

## IIEC Supports UNEP on Solar Water Heating Market Assessment


 IIEC carried out a Solar Water Heater Market Assessment of five South Asian and South East Asian countries - Bangladesh, Sri Lanka, Thailand, the Philippines and Vietnam. The assessment was part of the Global Knowledge Management and Networking activities under “Solar Water Heating (SWH) Market Transformation and Strengthening Initiative” from the United Nations Development Programme (UNDP) and United Nations Environment Programme (UNEP). IIEC is one of the regional partners for this initiative.

As a result of an increasing number of climate change adaptation and mitigation projects and activities in the region, the United Nations Environment Programme (UNEP) recently contracted IIEC to design and develop the ASEAN Climate Change Action Database (ACCAD). The objective is to consolidate information on-going climate change action projects in the ASEAN region, and to lay a strong foundation for sustainable information sharing mechanisms for climate change issues. For example, IIEC has identified at least 35 international and national websites (including project databases) covering climate change actions in the ASEAN region. This shows that there is a clear opportunity for information consolidation and highlights the importance of ACCAD.

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Back to Top
 

## Creating a Climate Change Action Database for ASEAN Region

 The Association of South East Asian Nations (ASEAN) is a fast growing economic region exposed to a number of challenges resulting from climate change such as extreme flood events and rising sea levels. The ASEAN region members comprise of Brunei Darussalam, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam.

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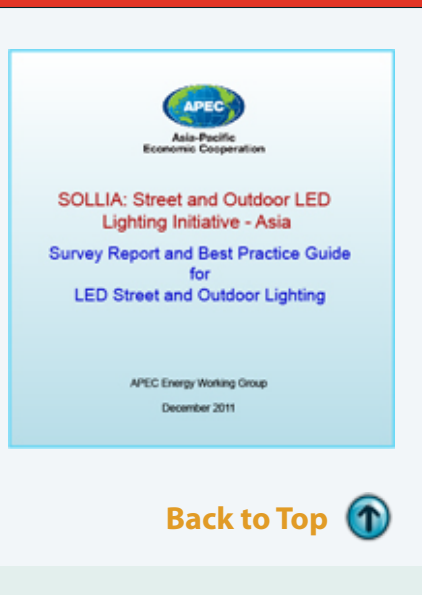
For further information, please contact Kullakant Chertchutham - [kcchertchutham@iiec.org](mailto:kcchertchutham@iiec.org)

Back to Top
 

## APEC Publishes IIEC Report on LED Street and Outdoor Lighting

 As part of the APEC Street and Outdoor LED Lighting Initiative – Asia (SOLLIA), IIEC carried out a survey on LED street and outdoor lighting standards, projects and best practices in all 21 APEC member economies. The stakeholders surveyed included government regulatory departments, standardization agencies, municipalities, city councils and lighting industry associations. The report is now available on [http://publications.apec.org/publication-detail.php?pub\\_id=1233](http://publications.apec.org/publication-detail.php?pub_id=1233)


The general aim of the report was to examine and present the best practices for purchase, installation and maintenance of LED street and outdoor lighting. These best practices can be used to help accelerate the introduction of efficient lighting and subsequently reduce electricity needs and associated carbon emissions in APEC member economies.



For further information, please contact David Morgado - [dmorgado@iiec.org](mailto:dmorgado@iiec.org)

Back to Top
 


## IIEC Supports UNDP and Thai Ministry of Energy Setup an Energy Efficiency Project

 The United Nations Development Programme (UNDP), the Department of Alternative Energy Development and Efficiency (DEDE) and the Global Environment Facility (GEF) have partnered to setup the Promoting Energy Efficiency in Commercial Buildings (PEECB) Project. IIEC supported UNDP in design and development of project implementation approaches and activities and securing US\$3.6 million contribution from the GEF. The project will formally commence in 2012 and conclude by end of 2015. Further details on the project are available on <http://www.thegef.org/gef/content/lgce-promoting-energy-efficiency-commercial-buildings-thailand-peeceb>




The objective is to promote and facilitate the widespread application of building energy efficiency technologies and practices in Thailand. It includes demonstration of energy efficiency measures in nine large commercial buildings such as office buildings, hotels, hypermarkets and hospitals.

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Back to Top
 

## Feasibility Study of TopTen India

 The Swiss Agency for Development and Cooperation (SDC), part of the Swiss Ministry of Foreign Affairs, is represented in India through the Climate Change and Development Division (CCD). CCD has commissioned IIEC to undertake a feasibility study for establishment of **TopTen India**.


TopTen ([www.topten.info](http://www.topten.info)) is an information system and database for promotion of energy efficient consumer goods (appliances, electronics, building components, motor vehicles). It stimulates consumer demand and influences government policy, healthy competition amongst manufacturers, would trigger new energy efficient product development and retailers sales program. Its goal is to speed up and focus the market transformation for energy efficient consumer goods. TopTen exists as a web based information platform in several countries in Europe, China and the USA.



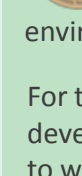
▲ Contract Signing Event (from left to right) Dr. Gerolf Weigel (Counselor and Head Climate Change and Development at SDC), Dr. Nitin Pandit (President of IIEC) and Mr. Hans-Peter Egler (Head of Trade Promotion & Environment Division, State Secretariat for Economic Affairs) at the Embassy of Switzerland, New Delhi on February 24, 2012.

The plan is to publically launch a national TopTen India program in the beginning of 2013. The feasibility study for TopTen India includes analysis of economic growth and ecological issues affecting consumer goods markets, policies, regulations, stakeholders and potential funding sources. IIEC will seek advice, information and opinions from relevant stakeholders and experts in India on the TopTen India project and determine a pathway for establishment of TopTen India.

For further information, please contact B Anil Kumar - [akumar@iiec.org](mailto:akumar@iiec.org)

Back to Top
 

## 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 non-governmental organizations.

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