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. The IIEC is an independent resource center that promotes energy efficiency through dissemination of knowledge, technology, and best practices to enable sustainable economic and environmental development.

For the past 28 years, IIEC has been providing solutions to the problems posed by the rapid increase of energy demand in developing countries. The Institute is committed to encouraging and supporting energy efficiency programs that can increase energy security, improve the quality of life, and reduce the environmental impact of energy consumption.

The IIEC is the PEEP2 (Philippines Energy Efficiency Project Phase 2) Energy-Use Database and identifies potential energy efficiency projects in each country. In addition, the IIEC is preparing and implementing energy efficiency projects under PEEP2 in the five Pacific Island Countries and Territories (PICTs). The report was commissioned by the Renewable Energy and Energy Efficiency Support Programme (REEPS), New Zealand, and the Energy Efficiency and Renewable Energy Network (EREN), Australia.

Under the PEEP2, the IIEC is implementing three energy efficiency projects in the five PICTs. These projects are the first of several energy efficiency projects being prepared and implemented under PEEP2 in the five Pacific Island Countries and Territories. For further information, please contact Angelica Dealino - adealino@iiec.org or Felix Gooneratne - fgooneratne@iiec.org.

The first project comprises of the supply and installation of solar LED street lighting and low-cost LED tubes in selected areas in each country. The second project comprises of the installation of energy-efficient compact fluorescent bulbs in households. The third project comprises of the supply and installation of energy-efficient LED lights in government buildings.

To effectively generate public awareness and participation in PEEP2 projects, a communication campaign and dissemination of information materials are being undertaken by the IIEC. These materials include TV, radio, and print advertisements. The IIEC is also conducting walk-through energy audit training for selected buildings in Samoa and Papua New Guinea.

In addition, in urban areas, the PEEP2 carried out retrofitting of selected park lights and street lights in the cities of Manila, Quezon City, and San Juan. This retrofitting is expected to provide considerable cost savings and a CO₂ abatement of 66.4 tons of CO₂/year. In addition, the FFRP (Fridge/Freezer Replacement Program) is being implemented, not only to highlight the benefits of energy-efficient lighting systems but to ensure public awareness and participation in PEEP2 projects.

The IIEC is completing the first task of reviewing experience in implementing similar projects in other countries. The second task is to work simultaneously with multilateral institutions, governments, academic and research institutes, industry and non-governmental organizations. The third task is to develop a set of guidelines and training materials for PEEP2 projects.

The IIEC is also planning to implement a standard offer program (SOP) for energy-efficient products in India. This program will enable considerable cost savings to householders resulting in higher disposal of energy-efficient products in the market. The program will also provide a framework for energy-efficient products to be promoted in other countries.

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