

## Promoting Energy Efficiency in Public Lighting

### Background

Lack of electricity and oil price volatility are recurring concerns in West Africa. Across the region, the situation is worsening and unrest is growing. As a way to improve living conditions, West African countries need to considerably reinforce their electricity supply infrastructure and implement demand-side management programs to accelerate the development of energy efficient markets in the region. The retrofitting of existing installations as well as the construction of new power generation and transmission facilities will not be sufficient to overcome the barriers for further development of the energy sector.



The challenges involved in attracting the necessary funds to meet future regional electricity demand require the exploration of various approaches. One promising area is the promotion of energy efficiency programs through technology transfer. Recent international efforts to promote energy efficiency have increased dramatically around the globe. Many of these programs feature the installation of energy efficient lighting such as compact fluorescent lamps (CFLs) as a mainstay in delivering energy conservation in consumer sectors.

Recently, therefore, the Ivorian Ministry of Mines and Energy launched the national program for the “Promotion of Energy Efficiency in Public Lighting” (the Project), which will exchange information and coordinate activities, when appropriate, with the ongoing “Global Market Transformation for Efficient Lighting” project that is being financed by GEF and implemented and executed by UNEP.

The Project has the support of the Government of Côte-d’Ivoire (GoCI) and aims to facilitate the widespread adoption of energy-saving lighting products, improve the Ivorian energy-efficient lighting products market, and work towards the phasing-out of Incandescent Lamps (ILs). This will lead to a reduction in electricity demand and greenhouse gas (GHG) emissions that are associated with electricity production. The Project is in line with the renewed GEF vision: strategy, innovation, equity, accessibility, and focus. The Project is also based on a strong public-private partnership and will reduce demand on the national utility, Compagnie Ivoirienne d’Electricité (CIE), which is currently experiencing power supply shortages due to increasing demand for electricity.

### Objective

To reduce GHG emissions through energy-efficient lighting market transformation and the progressive phasing-out of incandescent bulbs in the residential, municipal, and institutional sectors.

### Project Components

- Strengthen the national energy efficiency policy framework by establishing a steering committee for energy efficiency promotion, conducting awareness workshops, developing financing/purchase models for EE lighting, and preparing legislation to phase-out inefficient lighting.
- Enhance technical/managerial capacity of key public agencies, financial institutions, and others for EE lighting market development.
- Establish a minimum energy performance standard for EE lighting products.
- Support the creation of an EE lighting technical working group within the National Bureau of Standards, and ensure that standards are harmonized with international best practices.
- Work with private distributors and public utilities to disseminate EE lighting products in Abidjan, San Pedro, and Yamoussoukro.
- Design and implement financial incentives and recycling schemes for EE lighting products.

### Executing Partners/Agencies at National Level

The executing partner/agency in this project is the Directorate General of Energy of the Ministry of Mines and Energy (MME).

### Project Budget

GEF – US\$ 1 million (including PPG and agency fees); Co-financing – US\$ 2.9 million

### Progress

- Signing of project cooperation agreement between MME and UNEP is being awaited.

Activities	Timeframe	
Agency Approval Date	May	2012
Implementation Start	November	2012
Mid-term Evaluation	April	2014
Project Closing Date	October	2015

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