



PROJECT AT-A-GLANCE

Promotion of Energy Efficiency Lighting in Public, Commercial and Residential Buildings

GEOGRAPHICAL SCOPE

National project Ivory Coast



TARGETED PRODUCT



STATUS ACTIVE		TEAM LEADER	IMPLEMENTING PARTNERS
STARTING DATE 24 NOVEMBER 2017	CLOSING DATE 30 JUNE 2019	Paul Kellett paul.kellett@un.org	Direction Generale De L'Energie (Directorate General for Energy, within the Ministry of Petroleum, Energy and Renewable Energy Development) DONORS Global Environmental Facility

TOTAL PROJECT COST

\$ 3.8 million



KEY ACHIEVEMENTS TO DATE

From tackling current barriers and based on U4E Country Assessments, the reduction potential range in electricity consumption, monetary savings and GHG emissions mitigation in Ivory Coast due to a market transformation to energy efficient lighting – compared with current values, with a Best MEPS Scenario (2016 levels) – is very significant by 2030:

Annual Savings:



3 TWh
on annual electricity savings
(Avoided investment costs for 7 power plants of 100MW)



1.3 megatonnes
of CO₂ avoided annually
(equivalent to more than 722,000 cars)



Over
\$ 390 million
savings in annual electricity costs



ENERGY & CLIMATE BRANCH

THE CHALLENGE

As a way to improve living conditions, West African countries need to considerably reinforce their electricity supply infrastructures and implement demand-side management programs to speed up energy efficiency (EE) market development in the region. With more than 21 million habitants, Côte d'Ivoire is critical to the overall development of the sub-region, as it nearly accounts for 40% of gross domestic product (GDP) of the West African Economic and Monetary Union (UEMOA) and it has been a net exporter of electricity to neighboring countries for the last decade. Today, electricity demand outweighs the supply capacity which went from 5% in the 1990s to 10% in 2009 – with residential, municipal and institutional sectors among the most energy consuming sectors: around 60% of total electricity demand.

The urgent need to upgrade and rehabilitate the entire power system to tackle the challenges related to maintenance deficit and high energy demand growth, can be done through the adoption of a genuine energy efficiency policy and program. In this context, the Ivory Coast has clearly expressed its objective of energy development in line with the Development National Plan 2016-2020, with the project "Promotion of Energy Efficiency Lighting" through the Ministry of Energy and the assistance of the UNEP.

WHAT WE DO

United for Efficiency Center of Excellence team of experts, following the U4E Integrated Policy Approach, provided technical assistance to the Ivory Coast to assess the National Lighting Market and its needs and develop a National Strategy and Action Plan harmonized with the ECOWAS regional normative, including:

- Consensus among National Stakeholders for developing Minimum Energy Performance Standard including LED lighting,
- Adoption of the UEMOA labelling,
- Enhancement of National Testing capacities through tailored trainings sessions,
- Implementation of a Market Surveillance System through the development of a National Registry of lighting products,
- Adoption of an environmental regulatory and operational framework on collection, recycling service organization (CRSO) and training on international regulations, extended producer responsibility and CRSOs creation and operation.



UN ENVIRONMENT'S ROLE



United for Efficiency provides developing and emerging economies through their in-house experts and specialized partners with tailored technical support to transform their markets by accelerating the adoption of energy-efficient lighting, appliances, and equipment. Currently it is present in more than 30 countries worldwide. Based on each country's circumstances, United for Efficiency works with any of the following products: lighting, refrigerators, room air conditioners, motors and transformers - 5 products that together consume over half of the world's electricity.

By following United for Efficiency's Integrated Policy Approach and covering crucial elements from the transformational pathway, such as Standards and Regulations; Labelling and Communication strategies; Financial Mechanisms; Monitoring, Verification and Enforcement; and Environmental Sound Management, countries achieve a lasting market transformation, allowing monetary savings on their utility bills, helping businesses thrive through greater productivity, enabling utilities to meet growing demand for electricity, and assist governments in reaching their economic and environmental ambitions. Such support is available at three levels: Global, Regional and National providing several tools and resources to support committed countries in their efforts, such as Policy Guides, multiple assessments (country level, street lighting, etc), regional policy roadmaps and harmonization process recommendations, development of training for policymakers and practitioners and National action plan implementation support.