



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

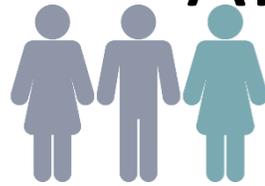
Regional approaches to accelerate a market transformation towards Energy Efficient Lighting and Appliances

Sustainable Energy Forum for East Africa
Session II: Creating an energy efficient lighting and appliances market in the EAC

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Appliance Ownership in Sub-Saharan Africa



1 in 3 households own a television



1 in 9 own a refrigerator

This will change significantly and markets need to be prepared!!!



In rural areas, access is even lower—just 4% of rural households own a refrigerator



1 in 9 own a computer

Source: CLASP 2020

Barriers hindering a market transformation in SSA include

- Import oriented markets with no common policy framework for energy efficient lighting and appliances – absence of MEPS in most countries
- Significant barriers still exist around awareness, access to finance and skills
- Ad hoc versus systematic approach – need for transformation
- Lack of capacity to develop and implement regulations such as MEPS
- Challenges with enforcement capacity including local testing facilities
- Challenges on border control and leakage
- Lack of motivation for the private sector to invest as standards are not enforced - Small country focused markets
- Lack of service providers with viable business models that can deliver efficient energy services

Benefits of a market transformation to more efficient products

- **Household savings** - reduce household energy bills
- **Grid reliability** – reduce electricity shortages (brown-outs / black-outs); reduces peak power demand
- **Save national investment** – reduce capital and loans tied up in power stations and grid upgrades; slows new demand growth
- **Market protection** - avoid becoming dumping-ground for technologies banned elsewhere
- **Energy imports** – reduce capital out-flow for fuel purchases / electricity imports; strengthen national energy security
- **Climate change**



Why Regional Collaboration?

- Eliminates trade barriers for EE products
- Unlocks economies of scale
- Increase affordability
- Common monitoring, verification and enforcement
- Supports coordinated compliance planning and efficient use of resources when a regional market shares similar products
- Great potential to avoid duplication of compliance efforts



Regional Sustainable Energy Centres play a pioneering role in regional harmonisation



Energy Efficient Lighting and Appliances in East and Southern Africa - EELA

EELA has a transformational approach towards the development of vibrant markets where suppliers are delivering high-quality services and products for energy efficient lighting and appliances to increasingly aware households, businesses and public facilities across East and Southern Africa. EELA stimulates the market for Energy Service Companies(ESCOs), local manufacturing and private sector investments and provides co-financing for innovative business models.

The EELA approach to change



Market incentives for the private sector to deliver efficient and high quality energy services



Minimum Energy Performance Standards (MEPS) for appliances which are harmonized in the region



Capacity building on policy and regulatory framework development, appliances testing and regulatory enforcement



Awareness raising on the benefits of adopting efficient technologies across all stakeholders



A coordinated regional effort through REX and regional sustainable energy centres



Implemented by UNIDO with financial support from the government of Sweden and in collaboration with technical partners





Join the EELA and get involved!

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