

United Nations Environment Programme en.lighten Initiative

Group 3 – Monitoring, Verification & Enforcement

ECOWAS Workshop on Appliance Standards and Regulations Institutional Capacity and Efficient Lighting Policies Cotonou, Benin October, 2013













"PRIORITIZED REGIONAL & NATIONAL ACTIVITIES + KEY STAKEHOLDERS





Establish National Registries for on-grid and offgrid lighting products

- "Create and make functional National Registries for lighting products Phase 1: Trade Ministry Lead, Customs Agency Co-Lead, Energy Ministry
- Collate data on lighting products country of origin, importers, quantity, quality, technical data sheets Phase 1: Trade Ministry Lead, Customs Agency, Energy Ministry





Monitor on-grid & off-grid efficient lighting products at ports and markets of ECOWAS countries

- Conduct regular census of importers, wholesalers and distributors of efficient lighting products - Phase 1: Trade Ministry – Lead, Customs Agency, Energy Ministry, Manufacturers/importers/ distributors of efficient lamps
- Conduct periodic checks on importers, wholesalers and distributors of efficient lamps - covering
 - " inventory of the types of lamps on the market
 - " verification of the presence or absence of valid labels
 - " verification of the technical characteristics of the lamps as registered
 - " verification of conformity to minimum energy efficiency standards on the lamps
- Phase 2 : Standards Authority –Lead, Trade Ministry Co-Lead Customs Agency, Energy Ministry

Monitor on-grid & off-grid efficient lighting products at ports and markets of ECOWAS countries

Implement regional market surveillance system for sampling and random tests of efficient lamps in ECOWAS countries - Phase 2: Standards Authority, Lead, Trade Ministry – Co-Lead, Customs Agency, Energy Ministry





Establish Regional Test Laboratory for on-grid and off-grid efficient lighting

- Determine the location of 1st regional test laboratory Proposed Country: Ghana; Phase 1: ECREEE Lead, UNEP/GEF en.lighten
 - " based on specific criteria of: level of development of market, accessibility, technical capacity, political stability.
- Determine the location of 2nd regional test laboratory Proposed Countries: Senegal, Burkina Faso, Nigeria Phase 2: ECREEE Lead, UNEP/GEF en.lighten
- Develop ToRs, invite bids and select suppliers and procure lamp test equipment and accessories, and office equipment Phase 1: ECREEE Lead, UNEP/GEF en.lighten





Establish Regional Test Laboratory for on-grid and off-grid efficient lighting

Install and commission lamp test equipment and accessories, and office equipment - Phase 2: ECREEE – Lead, UNEP/GEF en.lighten

Train relevant technical staff on lamp test equipment and accessories - Phase 2: ECREEE - Lead, UNEP/GEF en.lighten





Establish National Test Laboratories for on-grid and off-grid efficient lighting and strengthen selected existing national laboratories

- Develop ToRs, invite bids and select suppliers and procure lamp test equipment and accessories, and office equipment - Phase 1: Standards Authority – Lead, Energy Ministry – Co-Lead
- Install and commission lamp test equipment and accessories, and office equipment Phase 2: Standards Authority Lead, Energy Ministry
- Train relevant technical staff on lamp test equipment and accessories Phase 2: Standards Authority Lead, Energy Ministry





Make importers, wholesalers and distributors of on-grid and offgrid efficient lamps &their customers aware of penalties for noncompliance of standards & labelling requirements

- "Put in place Regulations for the enforcement of requirements of standards and labelling of on-grid and off-grid efficient lamps Phase 1: Standards Authority Lead, Trade Ministry Co-Lead, Energy Ministry, Customs Agency
- "Sensitize and raise the awareness of importers, wholesalers and distributors of efficient lamps and their customers of penalties for non-compliance of standards and labelling requirements on radio, television, posters and in newspapers, and at local events Phase 2: Standards Authority Lead, Trade Ministry Co-Lead, Energy Ministry, Customs Agency





Make importers, wholesalers and distributors of on-grid and off-grid efficient lamps &their customers aware of penalties for non-compliance of standards & labelling requirements

"Organize special training programmes for relevant staff of Standards authority, Customs agency and Trade Ministry on penalties for non-compliance of standards and labelling requirements - Phase 1: Standards Authority – Lead, Customs Agency – Co-Lead, Energy Ministry, Trade Ministry





"MONITORING PROGRESS OF THE STRATEGY





National Registries for on-grid & off-grid lighting products established in all ECOWAS countries

- "Indicators Physically-present and accessible national register
- "Sources of Verification Trade Ministry Annual reports, Inspectors reports
- "Risks and Assumptions Registry is resourced with trained personnel and funding





On-grid & off-grid efficient lighting products monitored at ports and markets of ECOWAS countries

- "Indicators Quantity of monitored products recorded
- "Sources of Verification Inspectors Log Book
- "Risks and Assumptions trained manpower available; adequate funding available; inspectors have high integrity





Regional Test Laboratory for on-grid and offgrid efficient lighting established

"Indicators - Reports and pictures of commissioning "Sources of Verification - Media reports, official communications from/to lead Institution, ECOWAS Annual Report

"Risks and Assumptions - Lab resourced with trained manpower and funded





National Test Laboratories for on-grid and off-grid efficient lighting established in some countries and selected existing national laboratories strengthened

"Sources of Verification - Media reports and official communications from/to lead Institution
"Risks and Assumptions - Lab resourced with trained manpower and funded





Promulgate or update laws and regulations where applicable for the purpose of Monitoring, Verification and Enforcement of compliance of standards and labelling requirements

"Indicators - Gazetted laws or Regulations
"Sources of Verification - Government Gazette
"Risks and Assumptions - Lack of political will,
bureaucracy





Financing Options

- "Capital Items international donors, Public Private Partnership, carbon financing
 - "Regional Laboratory US\$0.8-1.0 million/lab
 - "National Laboratory US\$0.5-0.8 million/lab
 - "test equipment, office equipment, staff training
- "Awareness Creation national budget, private sector (lighting products manufacturers, importers and retailers), utilities
- "Capacity Building national budget, international donors
- "Development of Regulatory Framework national budget, international donors



Thank You.

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