United Nations Environment Programme
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Goals and components of a Regional Efficient Lighting Strategy in ECOWAS

ECOWAS Regional workshop on Initiatives on Standards and Labeling, Efficient Lighting and Energy Efficiency in Buildings
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Value Added of Regional Strategy

- **Coordinated platform and criteria**
  To address the quality issue of lighting products in the ECOWAS region, eliminating low quality products and accelerate the phase-out inefficient lamps

- **Realization of substantial additional energy savings**
  Through adoption of stringent performance requirements and broader product scopes than are currently in place

- **Lower compliance costs**
  For manufacturers through the use of uniform test methods and other regulatory and informational mechanisms

- **Increased regional trade / market competition**
  through the removal of barriers to regional trade, improved the potential for local and cross border enforcement actions, and potentially lowered costs to consumers

- **Improved credibility and clarity of product information to consumers**
Recommended activities

Minimum Energy Performance Standards
Supporting Policies
Monitoring, Verification & Enforcement
Environmentally Sound Management
Objective: Align current energy performance requirements and potentially establish MEPS for non-directional household lamps harmonized across all ECOWAS countries

- Suggested activities:
  - Evaluate respective progress on MEPS for lighting in each ECOWAS country
  - Review existing MEPS requirements and consider more ambitious levels
  - Consider what neighboring or similar countries have or plan to adopt for MEPS
  - Conduct economic analysis to determine benefits from migrating to efficient lighting
  - Study supply chains to ensure appropriate and compliant products are available in the national markets
  - Consider adding additional classes of lighting products such as linear fluorescent lamps, high intensity discharge lamps (HID) and ballasts
  - Coordinate lighting regulations with building energy code requirements
Objective: Ensure the successful implementation of MEPS through supporting policies and mechanisms

Suggested activities

Communications

- Encourage, facilitate and expand the communication and sharing of information between regulators, test experts, consumers and other stakeholders
- Improve transparency of regulatory processes and communication between regulators
- Raise awareness among consumers about high-quality, energy-efficient CFLs and LED lamps

Labelling

- Establish a framework for setting labels or establishing a quality mark
- Develop a regional voluntary “reach” efficiency standards and labeling system
Recommended activities-Supporting policies (cont’d)

- Suggested activities
  - Fiscal instruments
    - Establish n-bill financing for efficient on and off-grid lighting products
    - Implement subsidies for efficient on and off-grid lighting products
    - Establish tax increases for inefficient on and off-grid lighting products
    - Harmonize tariff structure for imports of efficient technologies with nearby countries
  - Others
    - Establish regional cooperative procurement and distribution through a rebate or a giveaway programme of efficient on- and off-grid lamps
**Recommended activities**

**Monitoring, Verification, Enforcement**

- **Objective:** Align monitoring systems, methods of measurement and metrics of performance for lamps

- **Suggested activities**
  - Support the development of regional test methods, coordinated around review cycles
  - Consider harmonizing around a consistent set of IEC, CIE & ANSI/IESNA test methods as the basis for common test procedures on quality and energy performance
  - Establish a technical committee to review existing international test methods and adopt common test methods for ECOWAS region
  - Investigate potential for testing lamps regionally
  - Establish harmonized enforcement measures in case of non-compliance
Recommended activities
Environmentally Sound Management

**Objective:** Minimize the impact of the lighting products on health and the environment throughout their life-cycle

**Suggested activities**

- Investigate logistical model that could facilitate recovery and recycling of lighting products or expand existing programmes to ensure all lighting products are included, especially fluorescent lamps and ballasts.
- Consider a financial system (e.g., trade-in scheme) to incentivize collection of used lighting products in rural and urban areas.
- Establish a locally appropriate voluntary or mandatory recycling.
- Develop education and awareness campaign for waste collectors and consumers.
- Develop and implement regional regulation on maximum allowed mercury levels in CFLs.
Thank You

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