



Republic of Kenya

ENERGY EFFICIENCY PRACTICES

Energy Efficiency in Kenya

Justus M.P. Mbithi,
Deputy Director, Renewable Energy

Workshop – Nairobi, 26-27 October 2015





EE - Introduction

- EE - measures aimed at reducing energy consumption without sacrificing productivity or increasing costs
- EE - measures yield direct savings on the energy bill – consumer's point of view
- EE - measures significantly reduce foreign exchange costs of oil imports, defer additional investment in power generation capacity and improve the competitiveness of Kenyan products – national stand point



EE Strategies and Policies (National Level)

- Section 6.6.6 of Sessional Paper No. 4 of 2004
 - encourage private sector participation in provision of technical and financial support for EE
 - enhance the provision of energy audits and advisory services by the MOEP
 - establish energy and equipment testing facilities
 - promote cost effective industrial energy efficiency and conservation measures within economic sectors through exposure to competition;
 - disseminate of energy efficiency and conservation information to consumers;
 - develop standards and codes of practice



Legal & Regulatory Framework (National Level)

➤ Energy Act, No. 12 of 2006

Section 104

- Develop and manage a prudent national energy efficiency and conservation programme.

Section 105

- Designate factories or buildings and electrical appliances by types, quantities of energy use, or methods of energy utilization for purposes of energy efficiency and conservation.

Section 106

- The owner of a building designated under section 105, shall conserve energy, audit and analyze energy consumption in his building in accordance with the standards, criteria, and procedures as prescribed by regulations.



Review of Policies & Strategies (National Level)

➤ National Energy and Petroleum Policy, 2015

Section 5.3 (*Excerpts*)

- Develop and implement sustainable, awareness and sensitization programmes on energy efficiency and conservation.
- Implement energy efficiency and conservation initiatives in all sectors.
- Develop and implement guidelines for carrying out of energy audits and advisory services in the counties.
- Develop and enforce minimum energy performance standards (MEPS) and rating labels for energy efficiency and conservation equipment.
- Build capacity and empower the energy efficiency and conservation directorate to champion and spearhead energy efficiency and conservation activities.
- Collaborate with the private sector in energy efficiency and conservation.

•



Review of Legal & Regulatory Framework (National Level)

➤ Energy Bill, 2015

Section 214

- coordinate the development and implementation of a prudent national energy efficiency and conservation programme.

Section 115

- designate factories and buildings and energy appliances by types, quantities of energy use, or methods of energy utilization for purposes of energy efficiency and conservation.

- **Section 216**

- The owner of a factory or building designated under section 215, shall conserve energy, audit and analyze energy consumption in his building in accordance with the standards, criteria, and procedures as prescribed by regulations.



EE Provisions relating to National & County Governments

➤ National Government

Section 217

- Norms & Standards

Section 218 & 219

- Issuance of Energy Savings Certificates and Specification of Energy values

➤ County Governments

Section 220

- Ensure efficient use of Energy and its conservation

Section 221

- Establish a County Energy Efficiency & Conservation Fund

Section 222 & 223

- County Government power to inspect EE facilities and issue directions



National EE Initiatives

- Centre for Energy Efficiency & Conservation (CEEC)
 - General and Investment Grade Energy Audits
 - Training
 - Energy Management Awards
- Regional Technical Assistance Programme (RTAP)
 - Technical assistance
 - Loans
- Fast Start Climate Change Programme (FSCCP)
 - EE promotion campaigns
 - Comprehensive resource audits
 - Training / Capacity building
- Sustainable Energy for All (SE4ALL)
 - Doubling the rate of EE
- EACREEE



THANK YOU ...

