

# SREP – PILOT COUNTRY MEETING

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## KENYA'S PRESENTATION

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# KENYA AT A GLANCE



**Location :** East Coast of Africa  
**Capital :** Nairobi  
**Government type:** Democratic Republic (Coalition)  
**Area:** 582,646 sq. km  
**Population:** 39.8million (2009 est.)  
**GDP:** \$29.6 billion (2008 est.)



# National Energy Context



**Kenya's Energy mix comprises of:**

## **1. Electricity**

- Installed Capacity - 1,473MW, Demand - 1,127MW
- Connectivity - 23%
- Generation Mix: Hydro Thermal Geothermal Wind
- Generation liberalized with 5 key power producers
- Rural electrification: 5,700 load centres, 650,800 Household
- Grid system : 1 main grid and 14 off-grid systems
- On-going programme of installation of stand-alone solar pv systems for public institutions



# Energy Mix Cont'd



## 2. Petroleum

- ❖ Petroleum imported and refined at Mombasa (No reserves discovered locally).
- ❖ Highest supplier of energy requirement in the country with an average consumption of 3.9 Metric tonnes per year

## 3. Biomass

- About 68% of the population depends on wood fuel for their energy needs.
- Forest cover depleted to less than 10% of the country. Re-forestation programme required for sustainability as an energy source.

## 4. Others

- Wind, Solar, Biogas



# Expectations Regarding the SREP



Resource assessment and development for:

- 1) Geothermal
  - Reconnaissance, Geo-scientific studies, Detailed surface exploration, Feasibility studies, Exploration drilling, Capacity building
- 2) Wind
  - ❖ Installation of wind mast and data loggers, Update of wind atlas, Capacity building
- 3) Solar
  - Update of Solar atlas, Installation of solar/wind hybrid systems to support the off-grid systems, Technology transfer, Capacity building



# Update on Investment Plans



- ✓ Kenya Electricity Access Investment Prospectus (2009-2014), developed and launched
- ✓ Feed-in-Tariff developed for small hydros, wind, geothermal, Biomass and Solar off-grid
- ✓ 53 wind masts and data loggers being installed
- ✓ Geothermal development on fast-track – 600 MW targeted by 2015



**THANK YOU**

