



Towards a climate resilient future: Experiences from the Energy Sector in Kenya

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INTRODUCTION

Broad overview of the country

- Area 582,646 sq. km,
- Population : 40.7 million (2012 Kenya National Bureau of Statistics)
- Nationally 68.3% of all HH use fuelwood
- 44.6% of urban dwellers use kerosene
- Electrification rate: National Electricity connectivity 37%

Vision: ‘Affordable, quality energy for all Kenyans’

Policy guidance

The following places priority on low-carbon development:

- Kenya Vision 2030
- National Climate Change Action Plan
- Energy policy
- Feed-in Tariff (FiT) Policy
- Scaling Up Renewable Energy Program (SREP) Investment Plan
- The draft Climate Change Policy and Climate Change Bill
- The Constitution (tree planting-10% of land under development)

Other regulations

- Improved biomass cookstoves regulations, 2013
- Solar water heating regulations
- Energy Management regulations
- Solar photovoltaic systems regulations

Institutions involved

- Government institutions
- Private sector
- Academia
- Research institutions
- Local media

Government Initiatives

- Supporting and Financing Renewable Energy (RE) and Energy Efficiency (EE) Projects
- Kenya Energy and Environment Social Responsibility Program Fund (KEEP) – conservation and rehabilitation of water catchments
- Capacity building of local people through Energy Centers
- Addressing health related issues (indoor air pollution)

Government Initiatives cont.,

➤ 5000 + MW (2013 -2016)

- The program seeks to grow electricity generation from 1750 MW to 5000 MW by 2016
- The generation from Geothermal, wind, cogeneration among others
- Its aimed at supplying the economy with affordable and reliable power.

➤ Other initiatives

- Geothermal NAMA development
- Greening Tea Initiative (KTDA)

Global initiatives

- Alliance for clean cook stoves
- The green economy program between UNEP and the Government of Kenya,

Challenges

- High capital investment cost required in energy projects
- Weather patterns
- The demand - supply imbalance



Thank you

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