

THE RURAL ELECTRIFICATION AUTHORITY- KENYA

Club ER Presentation-Zambia

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1. INTRODUCTION

- The Government established the rural electrification program in 1973 for purposes of subsidizing electricity supply in the rural areas.
- This was upon realization that although electricity is an important input to the socio-economic development of the country, many parts of the country could not get electricity on commercial basis.
- A Rural Electrification Fund (REF) was established the same year (1973) at 2% with the assistance of the Swedish International Development Agency (SIDA).

- Upon commencing operations in 2007, REA aligned its goals to Vision 2030 which aims at having all Kenyans enjoy a high quality of life by the year 2030.
- The target set in Vision 2030 was to electrify all major public facilities and connect one million households by the year 2013.
- REA's first strategic plan (2008/09-2012/13) adopted the target of connecting all the three main public facilities (trading centers, secondary schools and health centers) by the year 2012/13.

3. CURRENT STATUS OF ELECTRIFICATION OF PUBLIC FACILITIES

- REA has continued focusing on electrification of public facilities through out the country.
- The electrification mode has been through grid extension and off-grid power supply
- Currently there are about 88,570 public facilities (all) in the country out of which 60,247 are electrified (68%) and 28,323 were un-electrified (32%) as shown in the table below.

Current Status of Electrification of Public Facilities*

	ELECTRIFICATION STATUS			
	AREA	ELECTRIFIED	UN ELECTRIFIED	TOTAL
1	GRID	56,761	24,536	81,297
2	OFF- GRID	3,486	3,787	7,273
	TOTAL	60,247	28,323	88,570
	LEVEL OF ELECTRIFICATION STATUS	68%	32%	100%

*Public Facilities includes; Trading Centres, Health Centres, Schools, Administration centres, Boreholes etc)

4.FINANCING OF RURAL ELECTRIFICATION PROGRAMME

Period	Internal Sources (Kshs. Million)	Development Partners	Total
		(Kshs. Million)	(Kshs Million)
1973 - 2002/03	4,271	2,994	7,265
2003/04 -15/16	74,236	13,367	87,603
Total	78,507	16,361	94,868
%	83%	17%	100%

5. ELECTRIFICATION OF PUBLIC PRIMARY SCHOOLS

In the last 3 Financial Years REA has been electrifying Public Primary schools to support the Government Digital Learning programme.

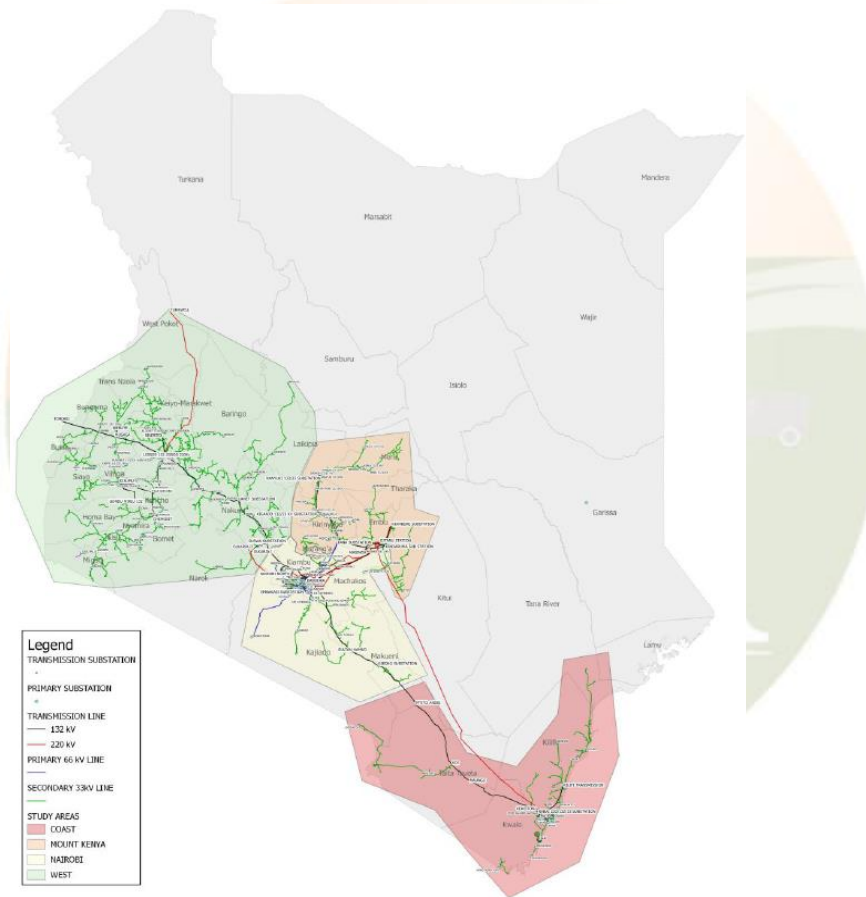
	Description		Total
1	Completed	Grid Extension	18,808
		Solar	4,403
2	Awaiting Commissioning		444
3	In Progress		170
	Total		23,825

6. OFF- GRID POWER SUPPLY

- REA has continued to play a significant role in enhancement of electricity supply in Kenya's rural areas. .
- In the off-grids areas, Installation of solar PVs systems in public facilities and development of isolated Diesel stations in selected area has previously been the main mode of electrification
- However, focus has now shifted to renewable energy

6. OFF- GRID POWER SUPPLY .

As shown in the MAP below the grid supply is only in a small part of the country with Eastern and Northern part of the country under off-grid supply system



OFF- GRID POWER SUPPLY

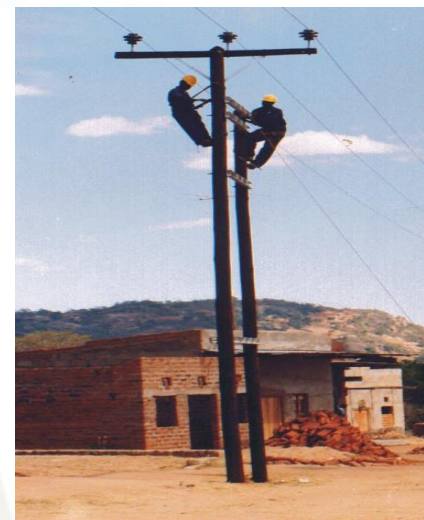
- Within the last eight years, REA has established nineteen (19) isolated diesel generators in selected areas.
- An additional one more diesel power station at Sololo in Marsabit County is in progress.
- The Government has initiated a process of hybridizing of the diesel power stations with solar and wind to make them more sustainable by reducing the operational costs . This has been done in four stations in Takaba, Eldas, Rhamu and Laisamis.

OFF- GRID POWER SUPPLY

- To increase the promotion and development of renewable energy activities, REA has started the establishment of more renewable energy mini grids using solar and wind .
- One such Solar Mini grid has been completed in Biyamadhow Town in Wajir County
- A total of 35 other solar mini grid projects are to be done this FY
- 25 will be financed by Government of Kenya and 10 by IDA through the Kenya Electricity Modernization Project (KEMP).

OFF- GRID POWER SUPPLY

- Discussions are in progress with the World Bank, Kenya Government through MOEP, REA and KPLC on preparation of the Kenya Off-grid Solar Access project (K-OSAP) for underserved counties
- This is a US\$ 150M project which will finance establishment of an additional 120 solar mini grid projects for electricity generation, Solar Homes systems for public facilities & household and about 380 solar water pumping for drinking water and irrigation in 14 counties in North and North Eastern region in Kenya.



THANK YOU



Kenya