



NIGERIA

Energy Efficiency Practices

Presented by

Federal Ministry of Power & Abuja City - FCT

At the
Energy Efficiency in
Sub-Saharan African Cities SE4All and the Covenant of mayors in Africa
Workshop – Dakar,
19th-20th October 2015



Review of current EE Strategies and Policies (National & City Level)



Policy Landscape: NREEEP 2015, NEEAP, SE4All Monitoring Framework

EE Targets: Overall, energy efficiency will increase by at least 20% by 2020 and 50% by 2030; efficient lighting will be used by 40% of households by 2020 and almost 100% by 2030;

Institutional Setup: FMP, FMEnv, FMLHUD, ECN, SON, NERC NCEEC, FCTA /States Govts & LGAs;

Target Sectors: Power, Building, Transport, Industry and Clean Cooking;

Target Areas: Electricity (GX, TX & DX), Solid Biomass, Liquid Fuels;

Standards & Labels: Lighting, AC, Refrigerators and Cook Stoves;

Laws & Enforcements: Grid Codes, EEBG, NBC-EE, DC-Manual (FCT).



Participation Stakeholders

Stakeholders	EE Activities	Remark
FMP	EE in Buildings EE in Industry EE for Air Conditioners & SWH	With FMLHUD With MAN With SON
FMLHUD	EE in Building Introduction EnMS into Buildings	Pilot at FMLHUD HQ + Private Dev.
FMICI/MAN (Private Sector)	EE in Industry Training of Energy Managers	Two Pilot Project under way - NESP
FMEnv	Improved Wood Cookstoves	WACCA, GACC
SON	Introducing S&L in Nigeria ISO 50001 (En MS)	Lighting, Refrigeration, AC
ECN/NCEEC	R&D, Data Gathering, Awareness	Testing Facility - UNDP
FCT & 36 State Govts.	EE in Building	Affordable Housing
Others: ECREEE, UNDP, GIZ, EU, UN Habitat	They support government institutions	Various EE activities



Energy Efficiency Initiatives (at National & City Level)



Power: Diagnostic studies of Networks; Rehabilitation of GX, TX & DX systems to reduce technical losses; Introduction of EnMS ISO 50001 & Use of efficient machines; Distribution of Efficient Light Bulbs; EE Testing Facilities

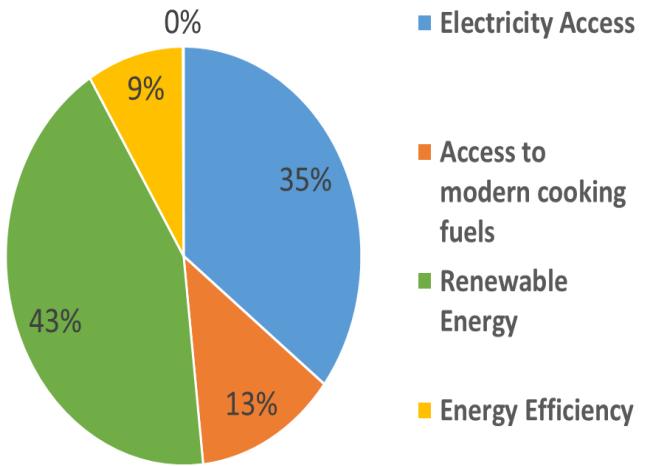
Building: Introduction of Standard & Labels for – Lighting, Refrigeration & AC; SWH pilots; Prepare EEBG & Review of NBC to cover EE; Pilot Projects.

Transport: Adopting vehicle fuel economy via banning importation of second hand vehicle; Improving the road infrastructure; developing public transport and traffic plans;

Industry: Introduction of EnMS ISO 50001; Capacity Building, Pilot Projects in Industrial facilities

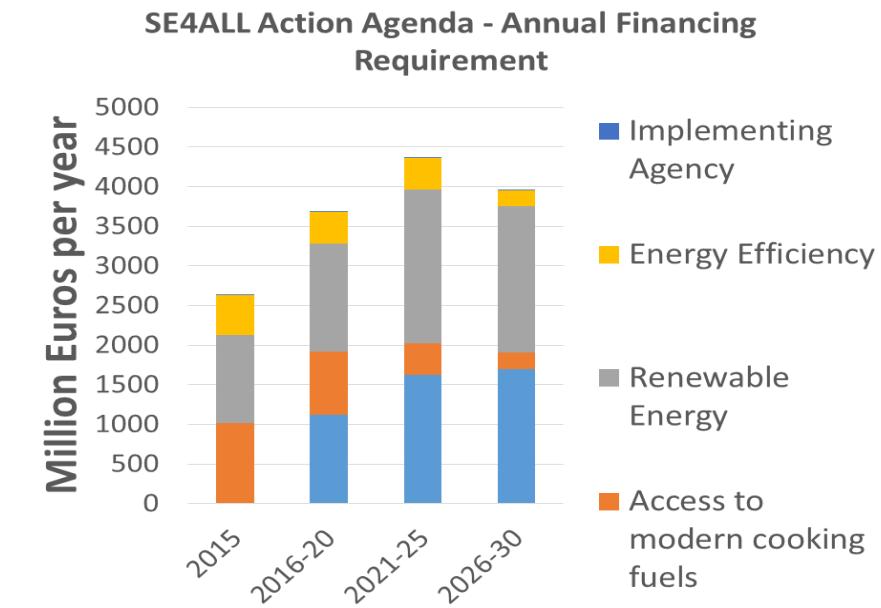
Clean Cooking: Establish Testing Center; Distribution of Clean Cookstoves; Establish EE Network to share information on EE Best Practice, Local Manufacturing of Clean Cookstoves (SMEs).

Investment Requirement to Achieve NEEAP & SE4ALL AA in Nigeria



SE4ALL AA Requires **62 billion €**

Electricity Energy accounts for **9%** of the financing requirement



The annual financing requirement associated to SE4ALL varies from **2.5 to 4 billion €**

Annual EE financing requirement is **500 million €**



Conclusion

- Nigeria has huge potentials for energy saving via EE measures
- Most EE activities are carried out at Federal levels, little at State level
- NREEEP 2015 and NEEAP provided opportunity to achieve EE goals
- Effective Monitoring of the Implementation of NEEAP & SE4All AA required
- National SE4All Coordination Structure need to be empowered to carryout Monitoring, Awareness creation and report on EE activities
- Both Public and Private funds are needed to move EE activities forward



THANK YOU

Contact: Engr Faruk Y YUSUF
Assist. Director (Renewable Energy & Power Access)
Federal Ministry of Power, Abuja, Nigeria
Email: fyyabo@yahoo.com

Victoria IMANDE
Deputy Director Housing
Federal Capital Territory Administration – Abuja
Email: vhimande@yahoo.com