

Energy Efficiency (EE) Practices

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Presentation from Swaziland and Local Governments

**Energy Efficiency in Sub-Saharan African Cities
SE4All and the Covenant of mayors in Africa
Workshop – Nairobi, 26-27 October 2015**

Review of current EE strategies and policies (National level)

- **Ministry of Natural Resources & Energy which has an Energy Department (Rural Electrification & Energy Efficiency Unit)**
- **National Energy Policy-2003, National Biofuels Development Strategy & Action Plan-2009, SE4All adoption 2015**
- **Target is mainly Building, transport, power generation, appliances & equipment**
- **Standards SZNS SANS 1307:2009, 10106:2006, 159:2006, 204:2011 encouraging the use of energy efficient technologies.**
- **Standards are voluntary**

Review of current energy efficiency strategies and policies (City level)

- *Towns established through an Act, 1969*
- *EE strategies driven by council resolution, Council Byelaw and environmental directives. Mostly voluntary*
- *Manzini, Mbabane and Siteki adopted LED street lights.*
- *Vuvulane to install solar powered highmast lights for residences*
- *Matsapha Town Council to establish waste to energy plant*
- *EE initiatives applied in Urban Planning, Building Control*

Participation - stakeholders

Main Actors national:

Ministry of Natural Resources and Energy – Energy Department

Ministry of Housing and urban Development – Urban Government

Swaziland Environment Authority

Ministry of Public Works & Transport

SEC, SWASA, SERA, Republic of China(Taiwan), CTA, Oil Companies

UNISWA, VOCTIM & SCOT

Main Actors local:

Urban Local Authorities (Municipalities)

Civic organizations (e.g consumer association)

Energy Efficiency initiatives (national & city level)

LED and solar powered Street lights and High masts.

Waste to Energy initiatives.

Demand Side Management initiatives with Utility.

Demonstration Projects on Solar Street lighting & LED lighting in Public Buildings powered by solar.

Demonstration on Solar Geysers

Community awareness on energy efficient lights

Quick wins

Solar projects, LED lighting, Smart Control Systems, Cleaner fuels (Ethanol), Review of legislation (banning of Energy consuming Equipments and enforcing building standards), Provision of incentives for EEs