

MINISTRY OF ROADS AND HIGHWAYS



PRESENTATION BY DEPARTMENT OF URBAN ROADS

ORDER OF PRESENTATION

Brief on Department of Urban Roads

Policies that has bearing on Renewable Energy (RE)

On-going Projects that incorporate Renewable Energy

Future Plans for Renewable Energy

BRIEF ON DEPARTMENT OF URBAN ROADS

Ministry of Roads and Highways

- Ghana Highway Authority
- Department of Urban Roads
- Department of Feeder Roads
- Ghana Road Fund Secretariat

VISION:

“To attain efficient cost-effective and sustainable integrated urban road transport system that is responsive to the needs of the society”

Function

Primary Function: To Plan. Provide and manage the urban road network and related infrastructure.

POLICIES THAT HAS BEARING ON RENEWABLE ENERGY (RE)

Policy

Adoption and implementation of energy efficient and conservation measures in the installation/operation of road safety equipment.

1. Strategy- Always Function

Ensuring that our electrically powered road safety equipment (traffic light and streetlight) have constant flow of electricity by providing Solar Powered systems and Battery Bank System for new projects.

Example: Boundary Road, Awoshie-Pokuase e.t.c

2. Strategy – Energy efficient system

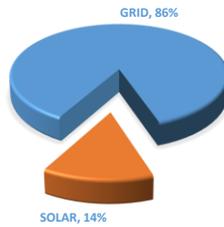
Upgrading of our high consumption traffic signals to lower consumptions ones and then connecting them to Solar powered system.

Example: Nsawam Road/Kwame Nkrumah Avenue/ Kojo Thompson, Obasanjo/Kanda Highway (Kawukudi)

TYPE OF SIGNAL HEAD		
NUMBER OF LED	NUMBER OF HALOGEN	TOTAL
238	68	306



POWER SOURCE		
GRID	SOLAR	TOTAL
264	42	306



On-going Projects that incorporate Renewable Energy

Accra



GIFFARD ROAD



10 Solar Powered Traffic Signals



Awoshie-Pokuasi Road



7 Solar Powered Traffic Signals



PEDESTRIAN FOOTBRIDGE



TETTEH QUARSHIE



MALLAM

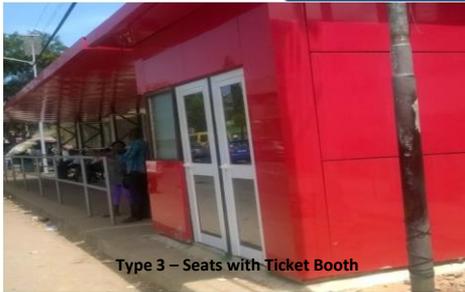


KNUST



SHIASHIE

AMASAMAN TO CMB



Type 3 - Seats with Ticket Booth



Ofankor Terminal

FUTURE PLANS FOR RENEWABLE ENERGY

Area-Wide Traffic Signal Control System

Sub System

- Field Equipment
 - Cameras – Solar Power
 - Traffic Signals & Detectors – Solar Power
- Traffic Management Center
- Communication Medium

