

# ZIMBABWE ENERGY SITUATION REPORT

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**REPUBLIC OF ZIMBABWE**

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# GEOGRAPHY OF ZIMBABWE

- Situated in Southern Africa landlocked and bordering:
  - ❖ South Africa –to the south
  - ❖ Mozambique –to the east
  - ❖ Botswana –to the west
  - ❖ Zambia –to the north

The population of Zimbabwe is 11million according to the 2012 national census.

Surface area is approximately 390000 Square Kilometers

# ENERGY SITUATION IN ZIMBABWE

- 40% of the population receive modern energy of which 90% is electricity.
- Zimbabwe is a member of the Southern Africa Power Pool ( SAPP) comprising South Africa , Mozambique , Botswana , Zambia and the DRC.
- The region has a power deficit of 5000 MW

# COUNTRY ENERGY SITUATION

## LIQUID FUELS DEMANDS AND SUPPLY.

- Diesel 3 million litres per day...*demand is met.*
- Petrol 2 million litres per day ..**demand is met.**

## ELECTRICITY

National generating capacity : 1400 MW. National  
Peak demand : 2400 MW  
National deficit : +/- 1000 MW

### *Augmentation is through: -*

1. *imports from neighboring countries with excess capacity.*
2. *Demand Side Management ( DSM) ie saving power*

# ELECTRICITY GENERATION IN ZIMBABWE

Electricity generation is through the following:

1. Hydro Electric Power Station generate 750 MW
2. Thermal power stations using locally available coal constituting the rest of national generation capacity.

# CHALLENGES IN ELECTRICITY GENERATION

1. KARIBA Hydro Electric Power Station is facing climate change challenges with perennial droughts reducing lake capacity; thus threatening the generating capacity of the plant.
2. Thermal power stations have passed their lifespan and the equipment is now aging resulting in frequent breakdowns.

## **MITIGATION MEASURES BEING IMPLEMENTED**

1. Rigorous Demand Side Management(**DSM**)
2. Increasing modern energy mix in the sector.
3. New power plants are under construction by government.
4. Liberalization of the energy sector to allow participation of Independent Power Producers (IPPs) .
5. Formulation and implementation of world class energy policies .

**END**

**? QUESTIONS ?**

**THANK YOU.**



# FORMULATION AND IMPLEMENTATION OF NEW ENERGY POLICIES

The following energy policies are being formulated:

1. Rural energy master plan (REMP)- to supply modern energy to all in the SE4ALL initiative.
2. Renewable energy policy ( REP)– to increase the supply of environmentally friendly energy sources( solar, wind etc.)
3. Biofuels policy- to supply liquid fuels from renewable sources other than fossil fuels ( jatropha , bio-ethanol etc).