2016 BUDGET OUTLOOK

ROADMAP TO TRANSFORMATION

BRIDGING THE ENERGY DEFICIT

Government of Ghana

STRATEGIC OBJECTIVES

The past decade has registered an annual electricity demand growth well above 10% which had put considerable strain on the power system, specifically on generation which over the years had not been able to match up to demand adequately.

The supply of electric power (Generation, Transmission and Distribution) over the coming years will need to expand to meet the growing demand. There will be broad ramifications for the diverse economy of the country. Short-term: The system peak demand for 2016 and 2017 is assumed to increase at a steady rate of 2,464.8 MW to 3,065.9 MW. The corresponding projected energy consumption are 19,678.1 GWh and 21,322.7 GWh.

The broad objective is to balance supply and demand based on the available power generation resources in the country. New transmission network construction, installation and refurbishments to improve power supply reliability are on going while developing Oil & Gas fields to increase national access to petroleum products.

GOALS

Petroleum: to ensure the sustainable exploration, development & production of Ghana's Oil & Gas. Significant achievements are being recorded in upstream, and downstream sub sectors of the Petroleum Industry including the development of Oil & Gas infrastructure, and the participation of 121 indigenous companies. Government plans to ensure LPG usage in the country reaches 50% by 2020 is on course with a total of 54,900 cylinders and cook stoves distributed to date.

Power: to increase installed power generation capacity to 5000 MW and increase electricity access from the current level to universal access by 2020. (Ghana remains a leading African nation in electricity access across its territory)

Renewable Energy: to increase share of renewable energy in the total national energy mix to 10% by 2020 and ensure its efficient production and use. Government continues to make tremendous efforts to put energy at the door step of the rural community through district assemblies and to fully inaugurate renewable energy into the energy supply system.

ACRONYMS

DEVELOPMENT ZONES

LEGEND

2016 OUTLOOK

POWER GENERATION TARGET (2020)	5000 MW
TOTAL INSTALLED POWER CAPACITY	2,444 MW
ADDED CAPACITY (2014 - 16)	450 MW
ELECTRICITY ACCESS	84%
EXPECTED ENERGY CONSUMPTION	19,678.1 GWh
GHANA SYSTEM PEAK DEMAND	2,464.8 MW

POWER DELIVERY

CONVENTIONAL POWER PLANTS

52%

43%

5%

RENEWABLE ENERGY POWER PLANTS

BRIDGING THE ENERGY DEFICIT

POWER PLANT	YEAR	DEFICIT CAPACITY (MW)
AKOSOMBO	1966	1,020
KPONG	1982	160
SOPCO	1998	330
TICO	1998	220
MRP	2007	80
TT1PP/TT2PP/SAM	2008	370
CENIT	2012	155
TSPP/MRP/KOSOBO	2013	334
TOTAL		2,349