

Energy Policy Goals

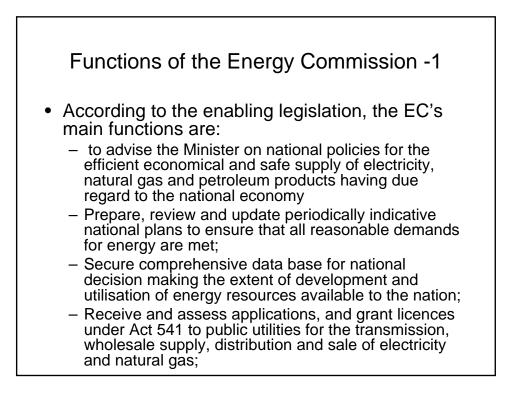
- Maintain energy supply adequacy and reliability
- Achieve self-sufficiency in energy supply
- Reduce energy intensity in creation of wealth and economic growth
- Reduce energy poverty increase access of modern energy forms
- Achieve high levels of end-use efficiency

Policy Themes

- Energy Resource Development Policy
- Energy Supply Policy
- Energy Consumption and Demand Management Policy
- Institutional Development Policy
- Energy Sector Investment Policy

The Energy Commission

- Energy Commission
 - Established under Act 541, 1997
 - To plan, regulate, manage and develop energy supply and utilisation in Ghana.



Functions of the Energy Commission-2

- Establish and enforce in consultation with the PURC, standards of performance for public utilities engaged in the transmission, wholesale supply, distribution and sale of electricity and natural gas;
- Promote and ensure uniform rules of practice for the transmission, wholesale supply, distribution and sale of natural gas; pursue and ensure strict compliance with this Act and regulations under this Act; and
- Perform other function assigned to it under this Act or any other enactment.



- Management of Energy Fund used for
- Promotion of Energy Efficiency and Productive uses of electricity, natural gas and petroleum products
- Renewable energy resources, including solar energy
- Human resource development in the energy sector

Critical Issues & Constraints

- Urgent need for investments
- Securing adequate supplies to meet rapidly growing demand
- Managing rising import bill for crude oil and pet products
- Attracting major oil companies to explore and develop hydrocarbon resources
- Accelerating development of Renewable energy resources
- Increasing access to modern energy forms
- Creating mature and competitive energy market
- Reducing end-use waste

Challenges in the Energy Sector-1

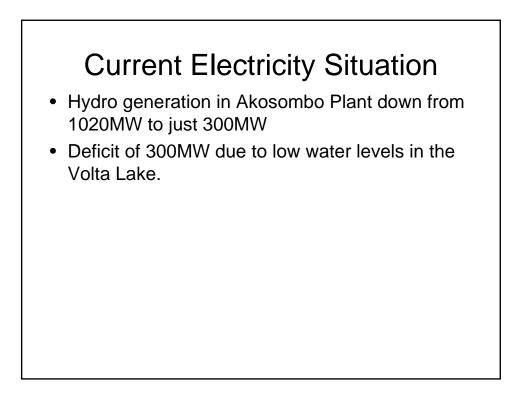
- Rapidly growing demand for energy by all sectors due to the expanding economy and the growing population.
- Risk of fundamental imbalance between energy production and indigenous resource, which is imminent for all the major energy forms.
- Risk of over reliance on imports to meet local shortfalls of conventional fuels, which could threaten the country's supply security, making it vulnerable to external pressures.
- Operational inefficiencies by utilities leading to high losses and consequently increasing cost of supply and distribution.

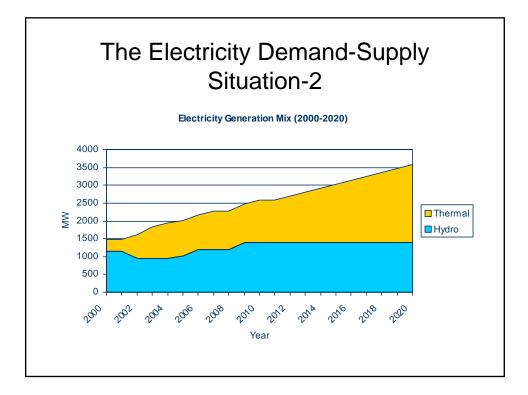
Challenges in the Energy Sector-2

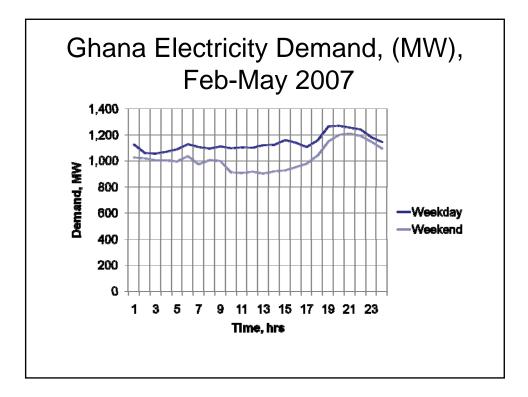
- Over reliance on wood fuels, which could threaten the country's forest, cover.
- High levels of end-use inefficiency culminating in waste of final energy forms.
- Inadequate investments to match the growing demand due to lack of capital.

BOTTLENECKS TO EFFICIENT ENERGY UTILISATION

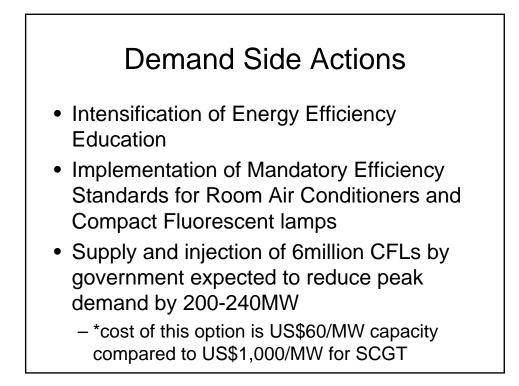
- Lack of Information on efficient methods and technologies
- Shortage of skilled energy management professionals
- Absence of energy efficient technologies on the local market
- Absence of clear policy, standards and regulations on performance of industrial and commercial equipment and household appliances.
- Difficulty in accessing financing for energy efficiency projects

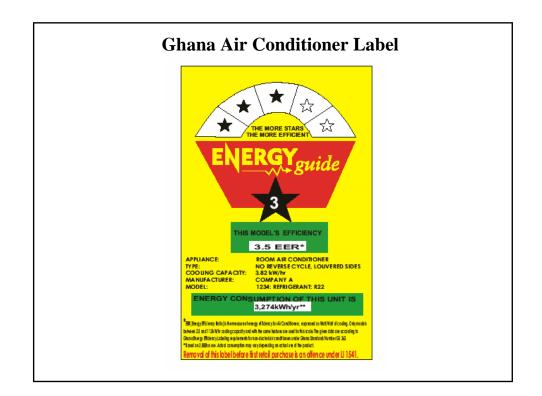






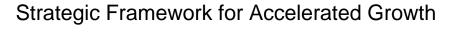






Future Demand Side Actions Proposed

- Immediately prohibit the importation of Incandescent lamps, used Air Conditioners
- Medium term –prohibit the importation of used refrigerators and deep freezers
- (Energy Commission survey 2006 refrigerators in Ghana consume 1,140kWh/year compared with 550-570kWh world average attributed to mass usage of used discarded and dumped equipment



- Energy Commission has completed the Strategic National Energy Plan –ready for publication
- Energy Commission has developed legislation on Electricity Supply and Energy Efficiency Standards of Appliances
- Energy Commission developing rules and regulations for Natural Gas Market
- Energy Commission developing rules & regulations for wholesale electricity market
- Performing mandate in collaboration with PURC to develop performance standards for utilities and mechanism to monitor

