Prospects of Electricity Energy Market in Africa

San Roque Hydro Power Plant, Philippines
Miravalle Geothermal Power Plant, Costa Rica
Rantau Dedap, Indonesia – Under trial boring
Senoko Natural Gas/Oil Power Plant, Singapore
June 10, 2014
Estimated Natural Gas Reserves for thermal power generation

Concentrated in the northern parts of Africa have an abundance of proven natural gas reserves

Hydro Power Potential

Africa’s hydro potential is located in four main hydroelectric hubs, and strong in the central area

Geothermal Power Potential

- An untapped potential ranging from 2,500 to 6,500 MW of electric power
- Less than 200 MW of this potential has been developed for electricity generation

Source: SOFRECO, “Africa Energy Outlook 2040 – PIDA.”
**Forecast of Electricity Energy Demand and Supply**

1. **Required Capacity (Year 2010⇒Year 2040)**
   - **Unit : GW**
   - 2010: 150
   - 2040: 840
   - Growth: +690

2. **Required Investment (Year 2014⇒Year 2040)**
   - **Unit : Billions of US$**
   - Investment in Power Plant: 860
   - Investment in Access: 100
   - Total: 960

- Electricity energy demand in Africa is projected to increase by nearly 10% per annum.
- Infrastructure in power sector needs capital investment to meet the demand.

**To Meet the Demands of Foreign Investors**

- Framework of Investment Protection
- Establishment of Laws and regulations
- Framework of tax treaty policy
- Political / Social stability
- Provision of Information by Local Government
- Government – Private Sector Partnership

Source: SOFRECO, “Africa Energy Outlook 2040-PIDA”
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