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# **ENERGY SECURITY FORUM**

## **SESSION 6: PROPOSED COLLABORATIVE PARTNERSHIPS ON ENERGY SECURITY**

**PREPARE BY**

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# ENERGY SECURITY POLICY

## ELECTRICITY

- ❖ **Development planning to 2020**
  - **Installed capacity: 62,300 MW**
  - **Pmax: 42,000 MW**
  - **Total electricity consumption: 234.5 billion kWh**
  - **Growth of electricity consumption by period 2016 - 2020: 10.6%/year**

# ENERGY SECURITY POLICY

## ❖ Development planning to 2030

- **Installed capacity: 116,450 MW**
- **Pmax: 90,650 MW**
- **Total electricity consumption: 506.0 billion kWh**
- **Growth of electricity consumption by period 2021-2025: 8.5%/year**
- **Growth of electricity consumption by period 2026-2030: 7.5%/year**

# ENERGY SECURITY POLICY

## ❖ Oil and Gas:

- Increase Oil and Gas reserves : 10 - 30 million ton/year
- Oil Production: 11-14 million ton/year
- Gas Production: 10-14 bbcu/year

## ❖ Oil and Gas Oil stockpiling for crude oil and petroleum products

- Decree for petroleum product business: 30 consumption days of commercial stockpile; 12 days of crude oil for refinery production and 10 days for petroleum products of refinery production.
- Master plan for Oil Stock piling: The target of oil stockpiling: total 90 days of net import in 2025 (35 days of commercial stockpile; 30 days of refinery production and 20 days of national stockpile).

# ENERGY SECURITY POLICY

- ❖ **The target of Coal production commercial :**
  - **Total production to 2018: 44 million ton.**
  - **Total production to 2020: 47 – 50 million ton.**
  - **Total production to 2025: 51-54 million ton.**
  - **Total production to 2030: 55-57 million ton.**

# ENERGY SECURITY AND MEASURES

## Electricity

- Improving the electricity quality.
- Reducing the power system technical losses. Encouraging the application of new and modern technologies.
- Making the new and renewable energy percentage reach 4.5% in 2020 and 6% in 2030.
- Equitizing electricity sector's enterprises
- Electricity tariff will be followed the market mechanism under State regulatory which ensures the cost recovery and acceptable benefit.
- Restructuring the electricity sector for the sake of shaping the transparent competitive market.
- Protecting the ecology and environment and reaching the sustainability are the utmost goals for the electricity sector development. Spurring power projects in accordance with the CDM mechanism.
- Encouraging and boosting the application of saving-energy and efficiency programs...

# ENERGY SECURITY AND MEASURES

## **Oil and Gas:**

- **Prioritizing the search, survey and exploitation in the deep offshore water.**
- **Establishing the competitive gas market mechanism under State regulatory. Cooperating for the implementation of inter-regional gas pipeline system.**
- **Developing imported LNG projects; Increasing the capacity of LNG storages in the Southern region with the size of 7-10 bil. cubic meter per annum.**
- **Developing the refining and petrochemical projects to meet 50-70% domestic demand.**
- **Striving the stock piling of crude oil and petroleum products reached a minimum of 90 days net import (to meet the criteria of the International Energy Agency - IEA).**
- **Protecting the ecology and environment**

# ENERGY SECURITY AND MEASURES

## **Coal:**

- **Speeding up the coal exploitation and estimating coal resource and volume.**
- **Coal business will be active complying with the market mechanism under State regulatory.**
- **Meeting the maximum domestic consumption. Exporting only domestic coal that domestic consumption has not required.**
- **Protecting the ecology and environment is the utmost goal for the sustainable coal sector development.**



# ENERGY SECURITY RELATED POTENTIAL COLLABORATIO

## Electricity:

- **The agreement between the government of Vietnam and the government of Laos**
- **The investment license (that is issued by Vietnam's Ministry of Planning and Investment)**
- **In compliance with the law of the 2 countries**
- **Memorandum Of Understanding (MOU)**
- **Document Of Agreement and PPA**
- **Master Plan**

# ENERGY SECURITY RELATED POTENTIAL COLLABORATIO

## Oil and Gas

- **The MOU between Vietnam and Lao Government for the petroleum product pipeline and storage project from Quang Binh - Vietnam to Kham Muon – Lao;**
- **The MOU/Agreements between PetroVietnam (Vietnam) and Rosneft (Federal of Russian) for the crude oil supply for the refinery.**
- **The Agreements between Vietnamese Enterprise and Foreign Enterprise (from Japan, Federal of Russian, US for the oil and gas cooperation, especially in LNG business).**



**Thank you very much!**