



PETROVIETNAM GAS JOINT STOCK CORPORATION

Powering Your Life

ROLE OF LNG IN VIETNAM'S ENERGY POLICY

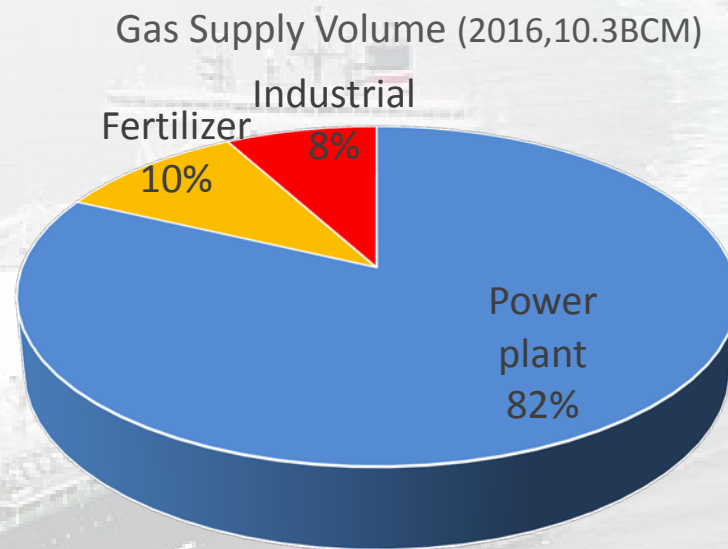
Japan, 18th October, 2017

Presented by: Mr. Le Nhu Linh – Chairman of PVGas



Role of natural gas in economy of Vietnam

- 82% of gas consumption for power plan ---> 30% of power supply;
- 10% of gas consumption for fertilizer ---> 70% of fertilizer demand;

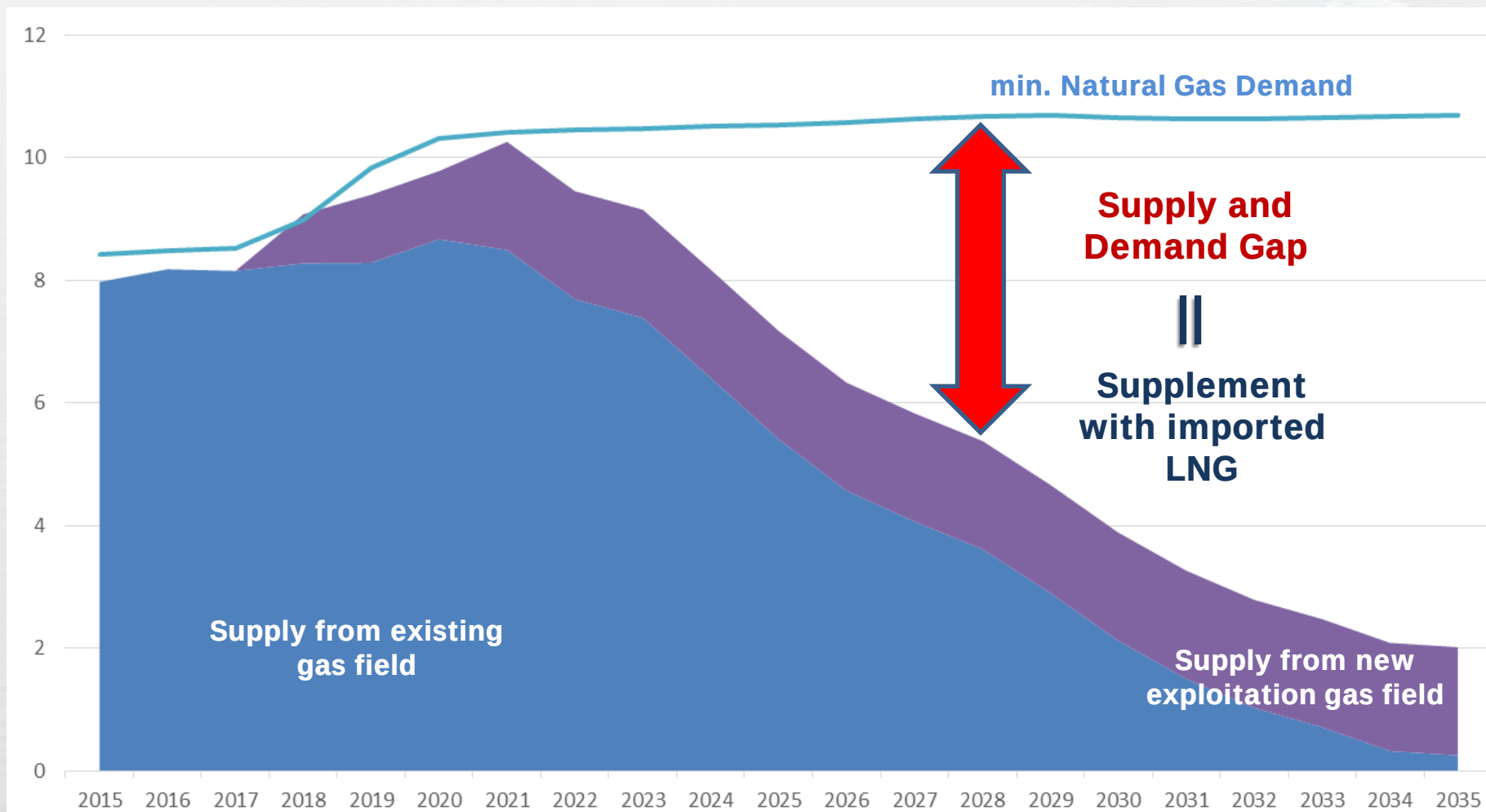


Source: PVGas Annual report

➤ **Natural Gas plays a very important role to secure the energy supply and food security of Vietnam.**

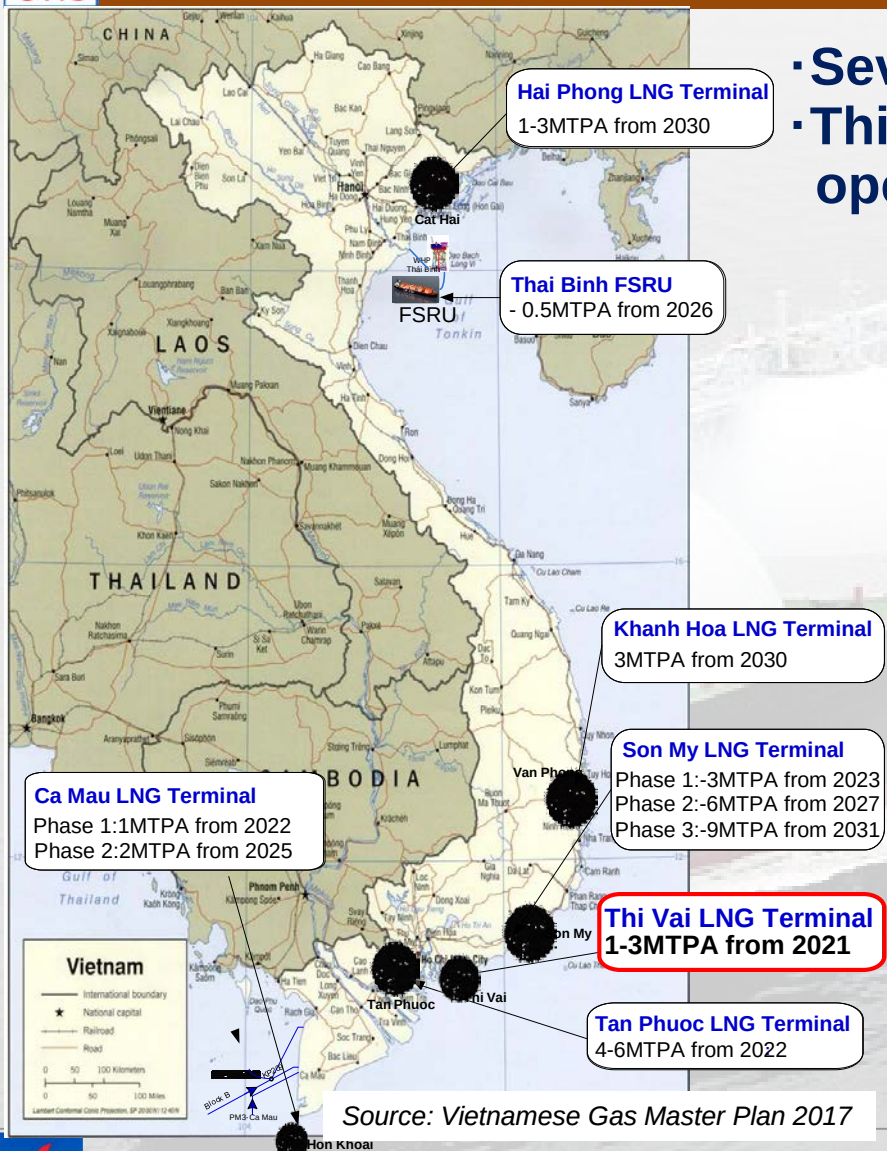
Natural Gas Demand and LNG Import in Vietnam

(BCM: billion m3 / year)



- LNG will play a key role in balancing gas supply and demand in Viet Nam from 2021;
- LNG's demand will quickly increase, from 1 MPTA on 2021 to 8.5MPTA on 2035.

Plan of developing LNG receiving terminals



- Seven LNG terminals are under planning
- Thi Vai will become the first LNG terminal operated by PVGas



Collaboration with LNG sellers and buyers

PVGas as the major LNG importer in Vietnam is considering collaboration

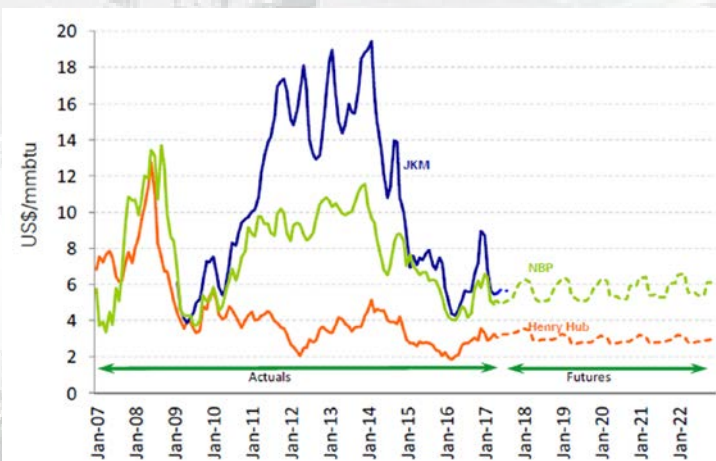
[with LNG sellers]

- ✓ **Flexibility of supply (against over-supply or under-supply)**
- ✓ **Cost competitiveness**
- ✓ **Security of supply**

[with LNG buyers]

- ✓ **Development and operation of LNG receiving terminal**
- ✓ **Cooperation on LNG procurement**
- ✓ **Development of downstream gas demand**
- ✓ **LNG supply by truck and coastal tankers**

LNG pricing



Cooperation on the LNG value chain development with Tokyo Gas



A large Liquefied Natural Gas (LNG) carrier ship is shown sailing on the ocean. The ship has a dark hull and two large white spherical storage tanks on its deck. The name "JUPITER" is visible on the side of the ship. The ship is moving towards the right, leaving a white wake behind it.

THANK YOU!



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