

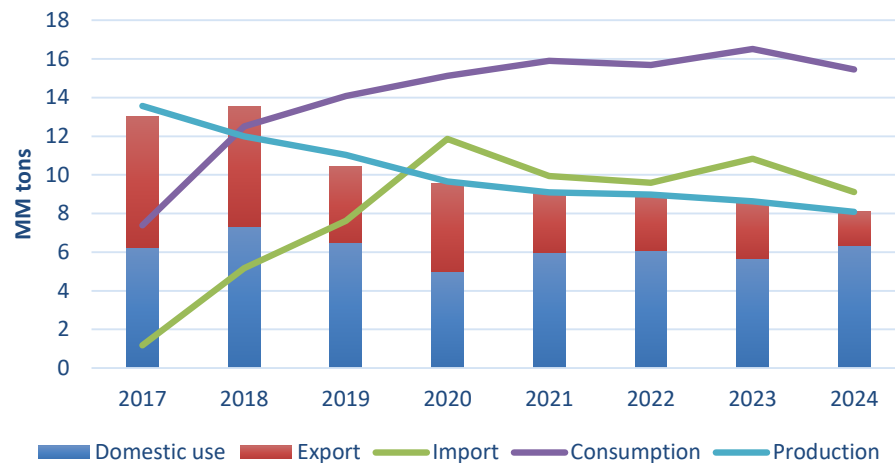
Update on OIL AND GAS SECURITY ***(Socialist Republic of Vietnam)***

Oil, Gas and Coal Department
Ministry of Industry and Trade of Vietnam SR

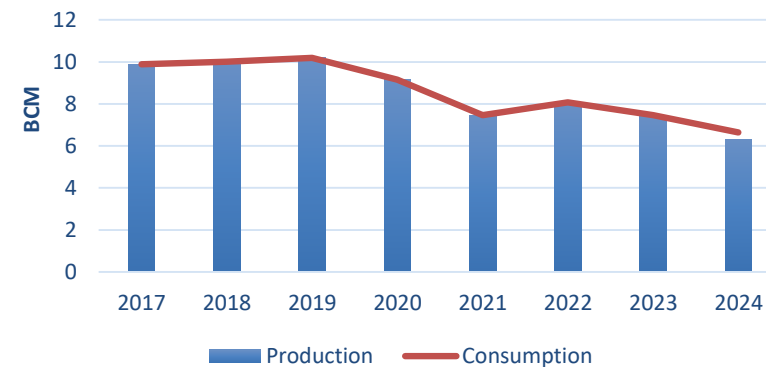
Oil, gas and petroleum production supply

Vietnam

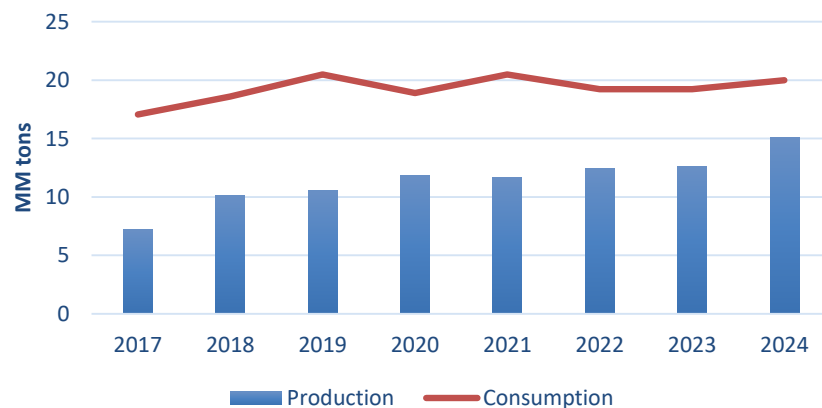
Crude Oil



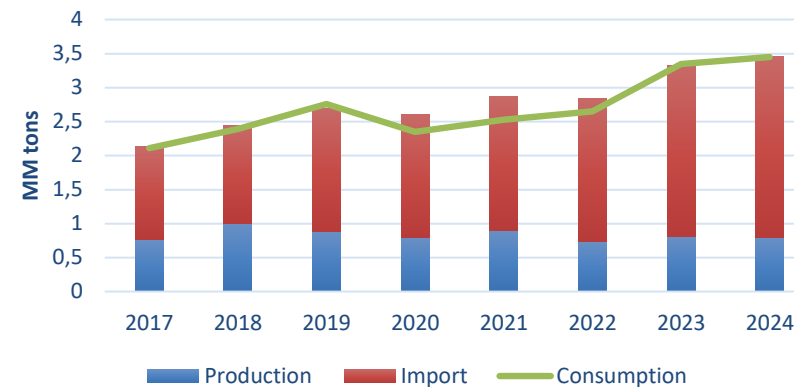
Natural Gas



Petroleum products



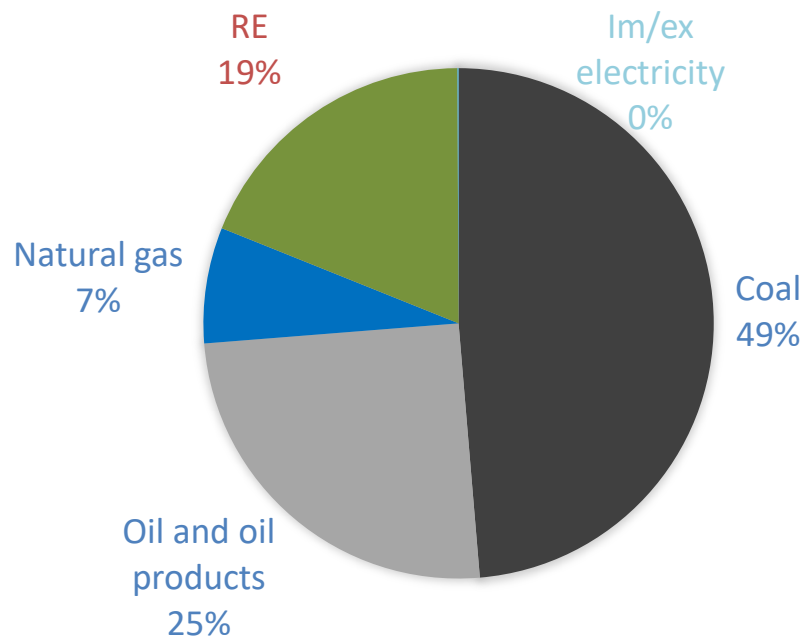
LPG



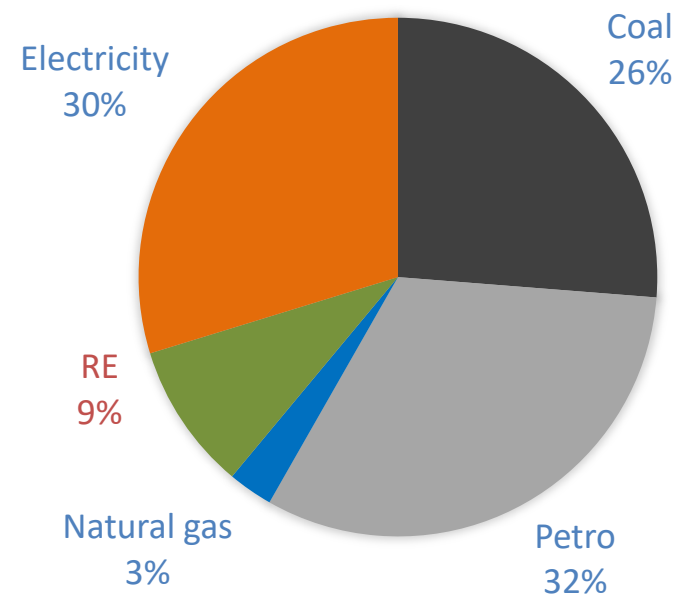
Oil and gas in energy mix

Vietnam

In primary energy mix



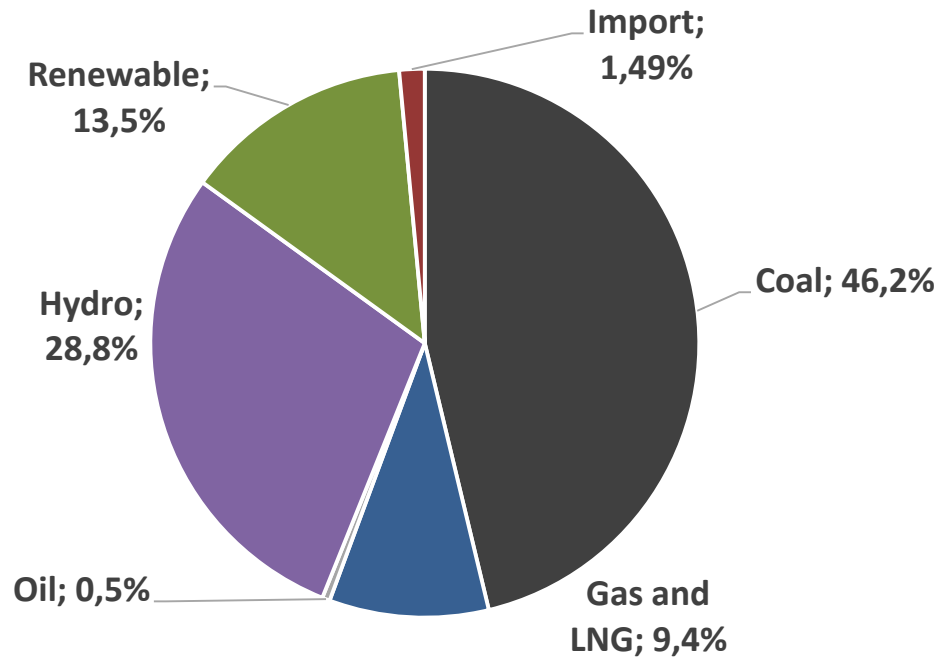
In final energy mix



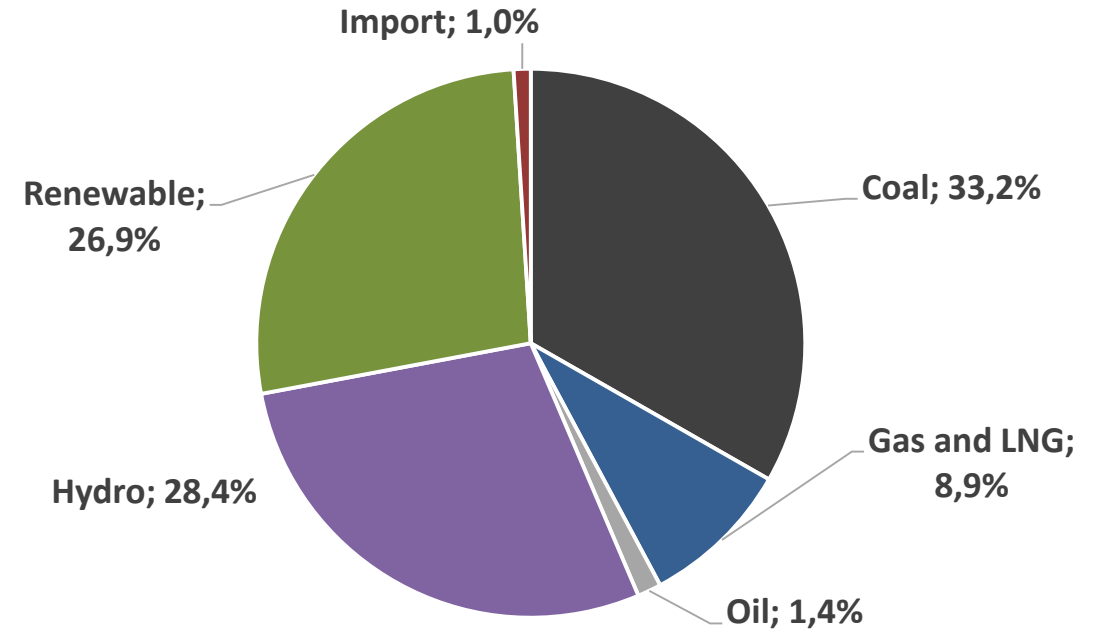
Natural gas in power

Vietnam

Share of natural gas in power generation mix

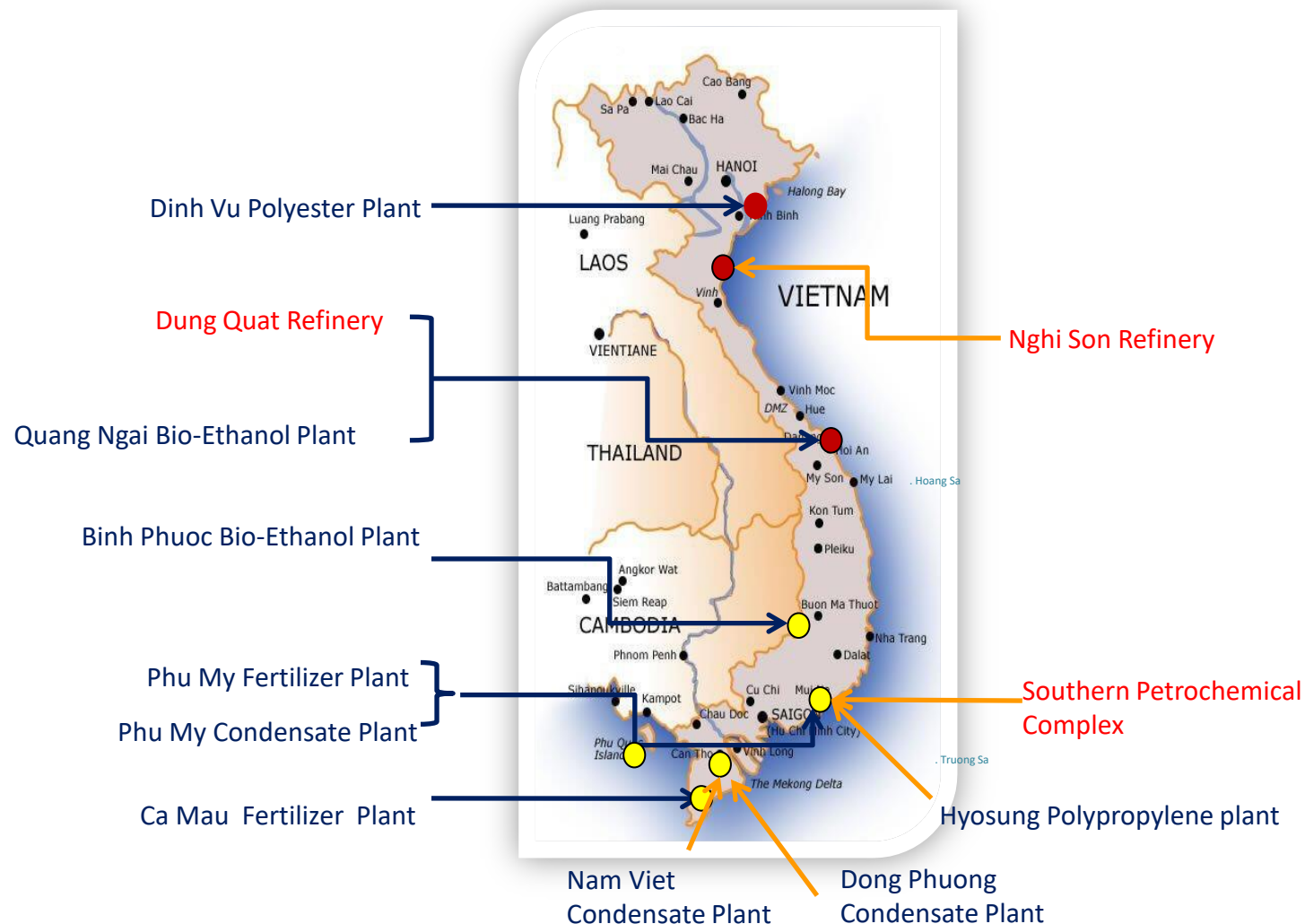


Share of natural gas in power input fuel mix



Capacity of refineries and petroleum plants

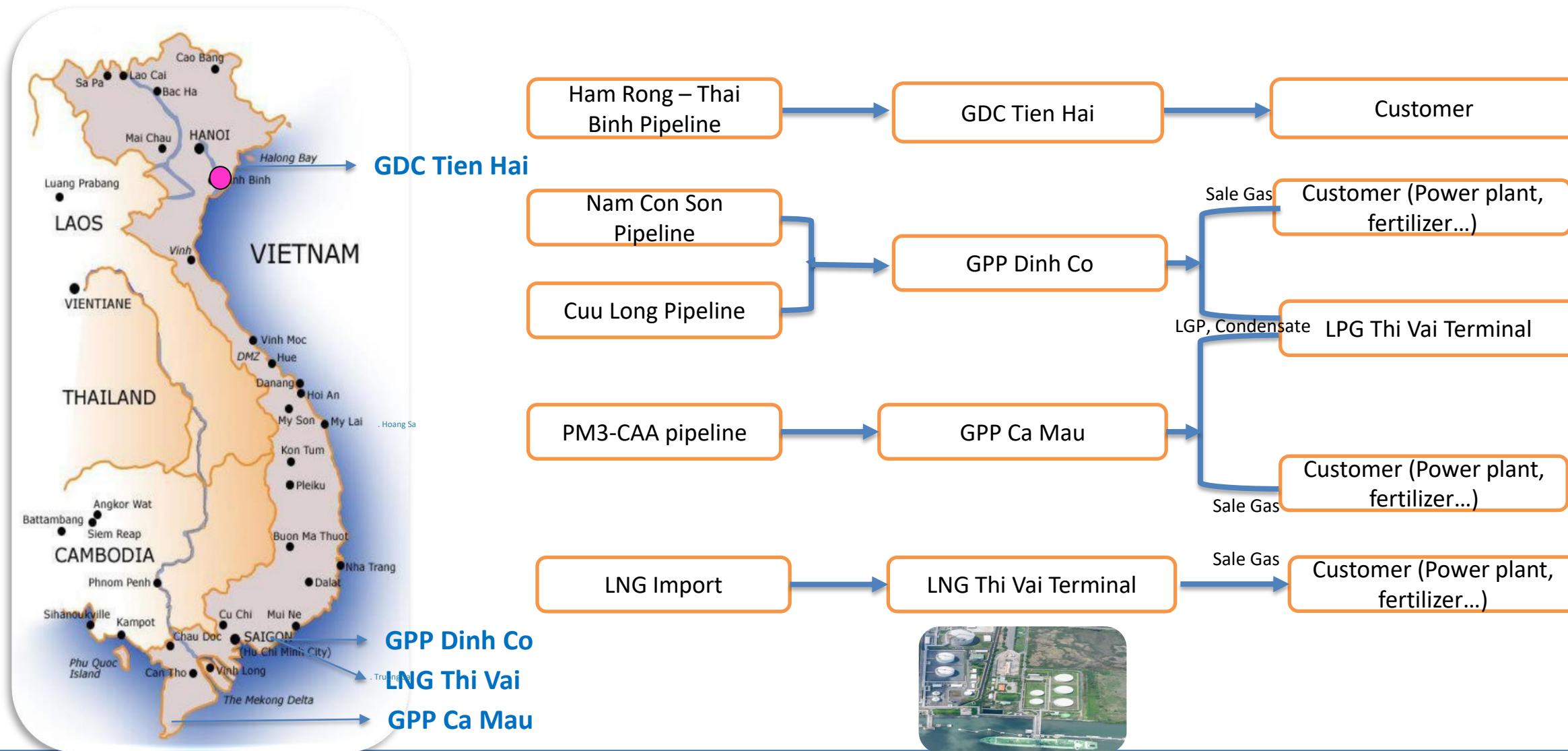
Vietnam



- Capacity of Dung Quat and Nghi Son refineries: 16.5 MM tons.
- Southern Petrochemical complex: 2.7 MM tons in 2024.
- 2028: Dung Quat Refinery upgrading and expansion project completed will increase the capacity to 7.6 MM tons.

Accessibility of gas and LNG infrastructure

Vietnam



Policy and regulation framework (1)

Vietnam

- Resolution 55-NQ/TW of the Politburo on orientation of Vietnam's National Energy Development Strategy through 2030, with a vision toward 2045
- National Energy Master Plan for period of 2021-2030, a vision to 2050
- National Energy Development Strategy of Vietnam to 2030, a vision to 2045
- Scheme on developing a competitive energy market to 2030, a vision to 2045
- Oil and Gas Industry Development Strategy toward 2025, orient to 2035
- Master plan on development of Vietnam's gas industry up to 2025, orientation to 2035
- National Master plan on infrastructure for petroleum and gas stockpiling and supply to 2030 and the orientation towards 2050
- Vietnam's Hydrogen energy development strategy through 2030, with a vision to 2050
- National Power Development Plan 8 (PDP8)
- Petroleum Law and relevant regulations



Policy and regulation framework (2)

Vietnam

To the energy (oil and gas) security supply:

- ✓ Domestic fossil energy to judiciously exploit and use
- ✓ Energy stabilization, reservation, and stockpiling to ensure the implementation and oil stoking obligations
- ✓ Consideration of gas-fired power development
- ✓ Imports to meet sufficient demand of power plants
- ✓ A national energy system to optimally allocate the supply of all sources based on the advantages of each region and area at the local level

- The target for domestic production:

- + Oil production: 6-9.5 MM tons per year by 2030 and 7 – 9 MM tons/year by 2050
- + Gas production: 5.5 – 15 BCM/year by 2030 and aim for 10-15 BCM/year by 2050
- + Total capacity of refining upto 2025: 18 – 20 MM tons/year
- Develop gas infrastructure to ensure sufficient capacity to meet 100% of gas demand for power generation and other uses
- LNG import capacity reaches about 15.7 - 18.2 BCM by 2030 and about 10.6 - 12.2 BCM by 2050
- Oil refinery plants to meet at the minimum 70% of the domestic demand
- Oil and petroleum product stockpiling system: 80 days of net import by 2030, 90 days – after 2030, in which:
 - Commercial stockpiling: about 30-40 days
 - Production stockpiling: about 20-25 days
 - National reserves: 15-20 days by 2030, 25 - 30 days after 2030

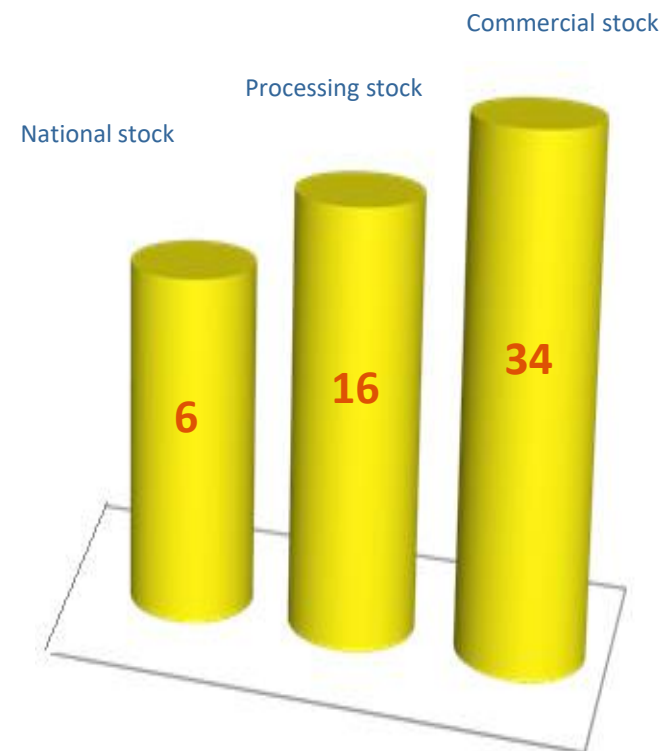


Oil stockpiling regulation

Vietnam

The total capacity of the stockpiling system of crude oil and petroleum products in Vietnam is about 56 days of net imports, in which:

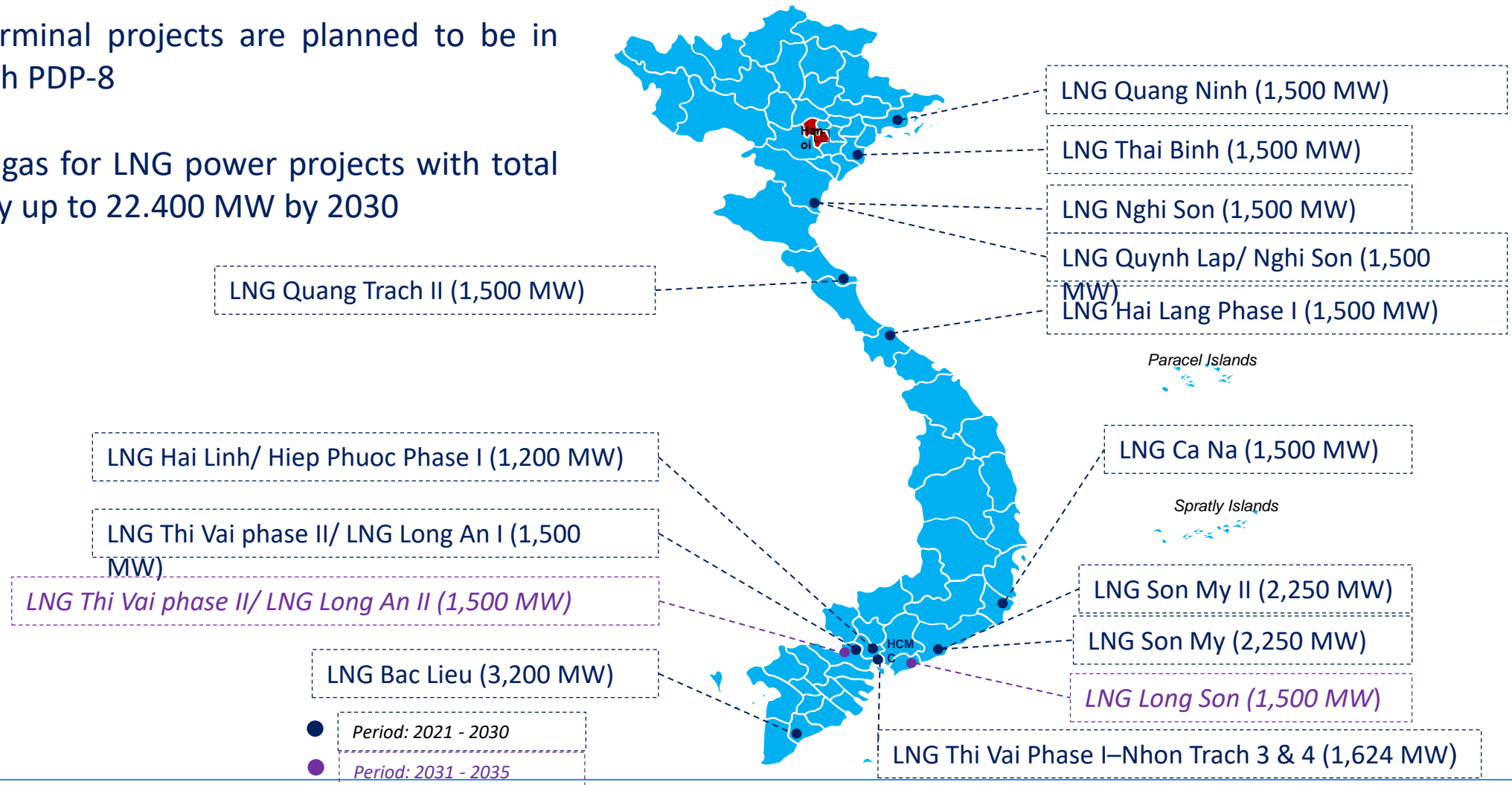
- Commercial stockpiling: 34 days of net imports (Stick to the goal)
- Producers' stockpiling: 16 days of net imports (at Dung Quat and Nghi Son Refinery)
- National stockpiling: 6 days of net imports (only petroleum products)



List of LNG-to-power projects

Vietnam

- LNG terminal projects are planned to be in line with PDP-8
- Supply gas for LNG power projects with total capacity up to 22,400 MW by 2030



List of hydrogen production projects

Vietnam

No.	Title of project	Projected capacity (1,000 tons/yr)
I	The 2026-2030 period	
1	Projects in the Northern region	100 - 200
2	Projects in the Central region	200 - 400
3	Projects in the Southern region	200 - 400
II	The 2031-2050 period	
1	Projects in the Northern region	1,000 - 6,000
2	Projects in the Central region	3,000 - 12,000
3	Projects in the Southern region	3,000 - 12,000

THANK YOU VERY MUCH!