กระทรวงพลังงาน
MINISTRY OF ENERGY

"Notable Development on Oil and Gas in Thailand"

By

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The 2nd APEC Expert Group on Clean Fossil Energy (EGCFE)
Oil and Gas Meeting
11th April 2019, Sendai, Japan

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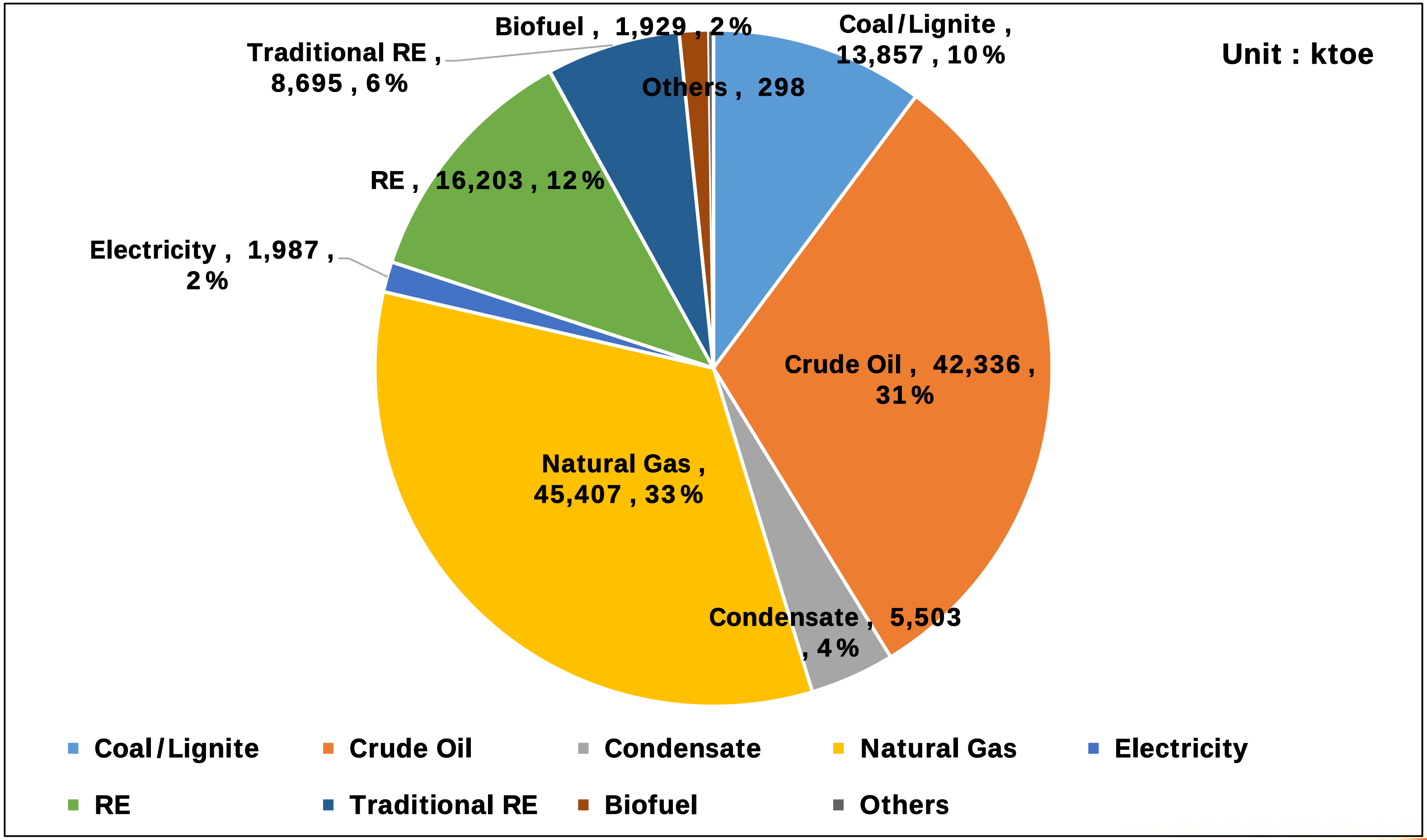
Total Primary Energy Supply

In 2017, Total Primary Energy Supply by Fuels = 136,215 ktoe



Source: Energy Balance of Thailand 2017

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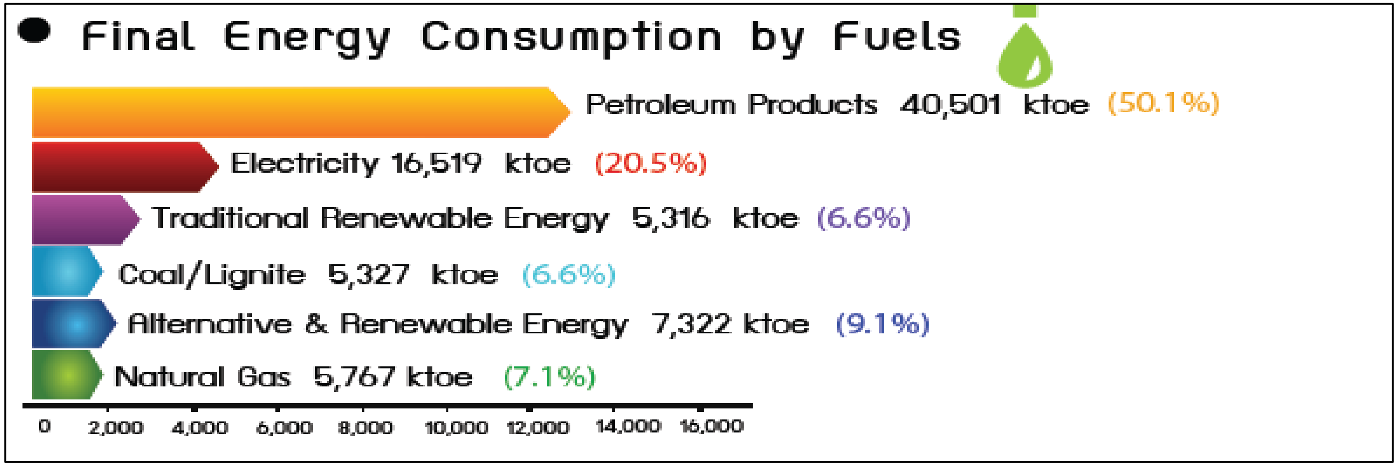
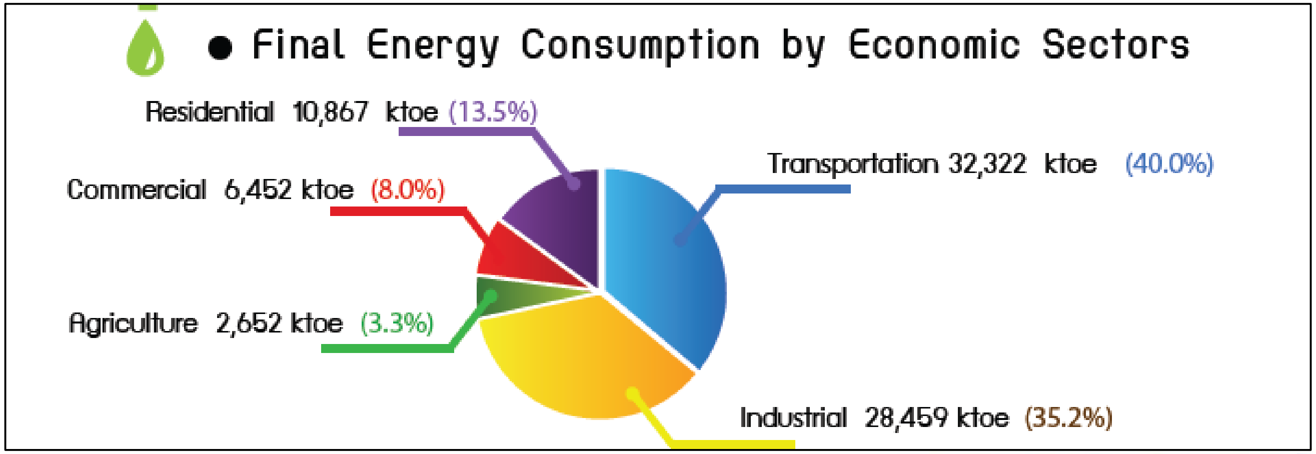
Final Energy Consumption

In 2017, Final Energy Consumption = 80,752 ktoe





Energy Situation

Primary Commercial Energy

Production

10.9 % * (2018 – 2019)

881 thousand barrel / day*

Total energy production has decreased 10.9 % except hydropower and lignite

Net Import

15.0 % * (2018 – 2019)

1,593 thousand barrel / day*

Net energy import has increased 15 %

Consumption

4.0 % * (2018 – 2019)

2,076 thousand barrel / day*

Energy consumption has decreased (Coal, Natural gas, hydropower)

Final Energy

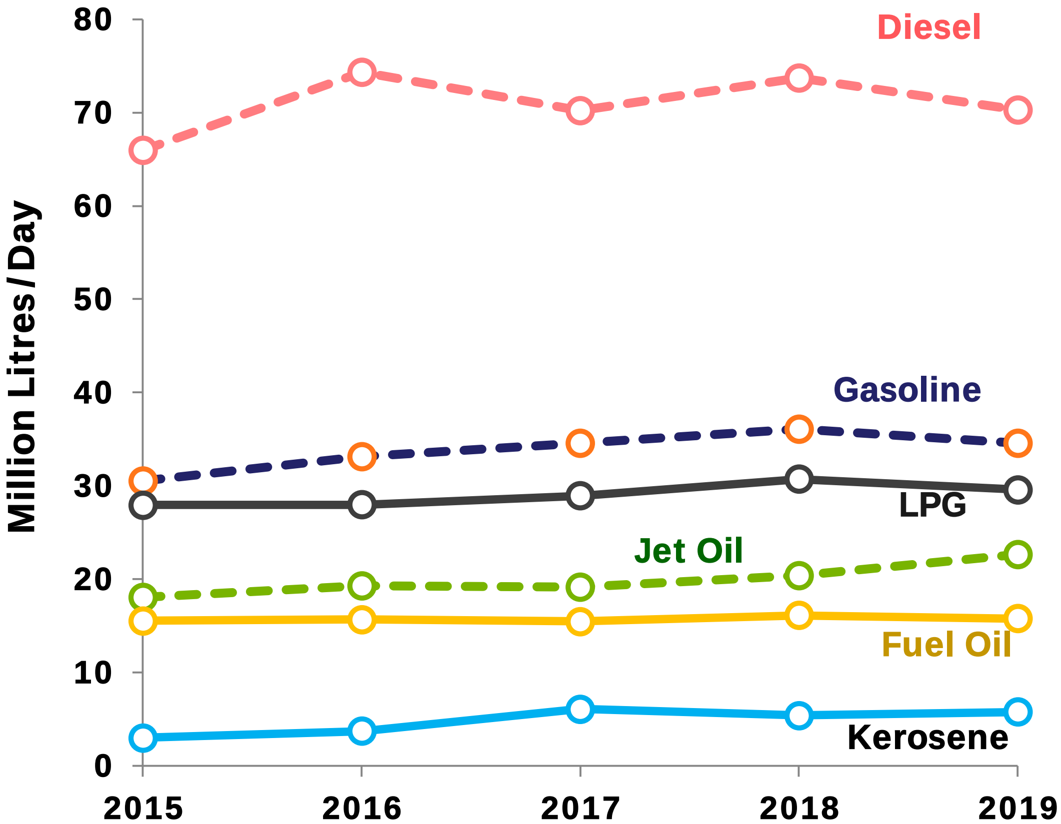
1.6 % * (2018 – 2019)

1,503 thousand barrel / day *

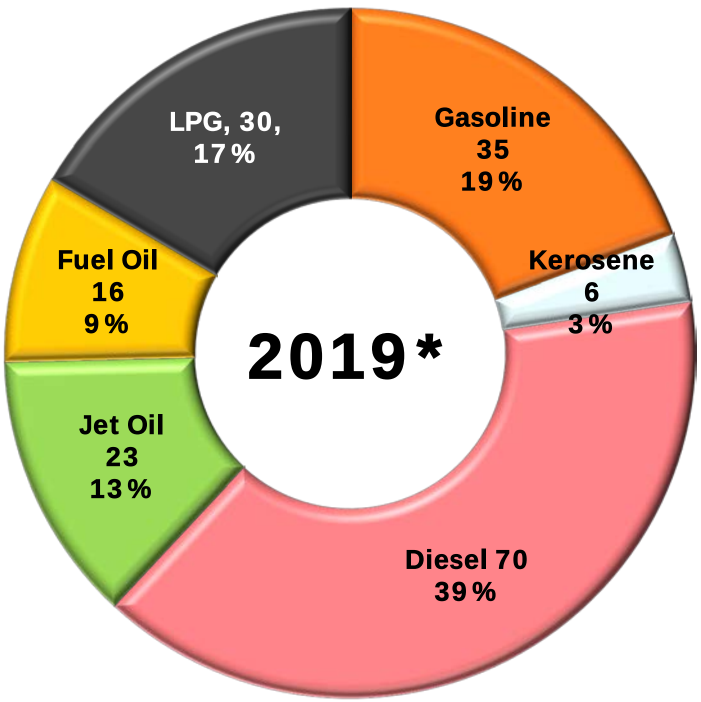
Oil product	58 %
Electricity	20 %
NG	11 %
Coal	11 %
Lignite	0.3 %

* *Remark : Year on Year basis*

Oil Supply



Oil Supply Ratio



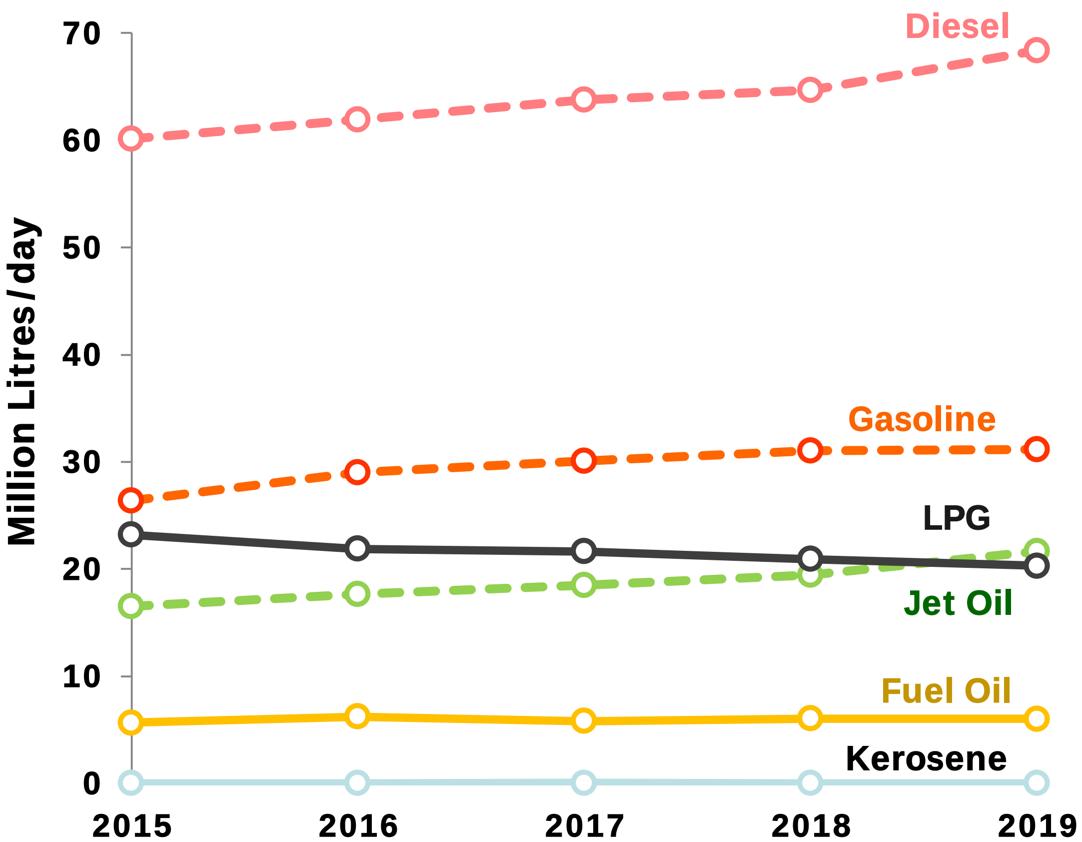
Total 179 Million Litres/day

Oil Supply Growth ↓ **4.2%**

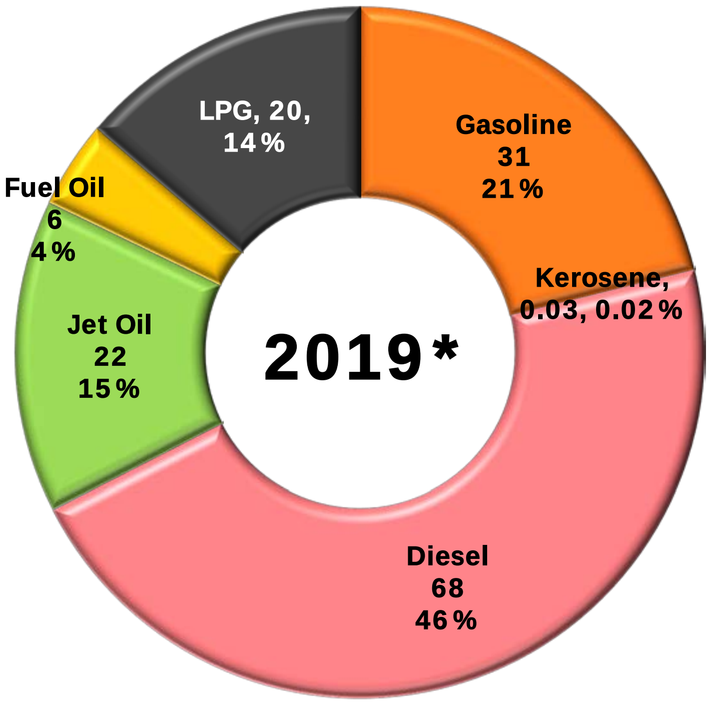
** Remark : Year on Year basis (2018-2019)*

Source : EPPO, Jan 2019

Oil Demand



Oil Product Demand Ratio



Total 148 Million Litres/day

Oil Product Demand 2.2%

** Remark : Year on Year basis (2018-2019)*

Source : EPPO, Jan 2019
Exclude : Petrochemical Sector

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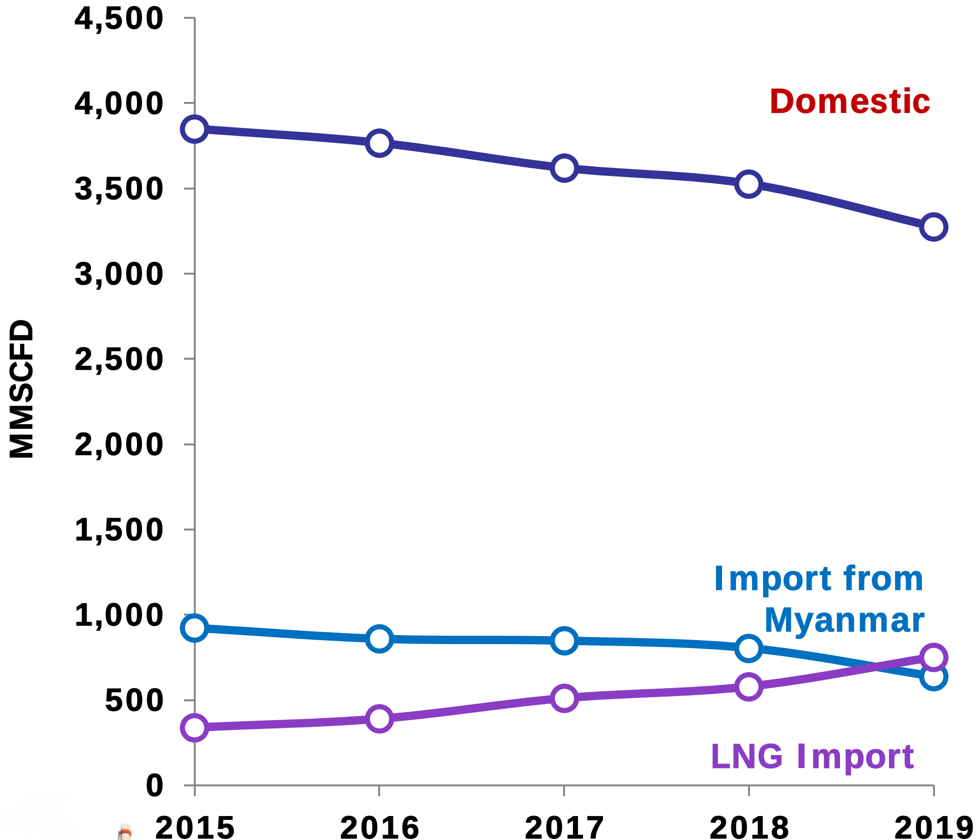
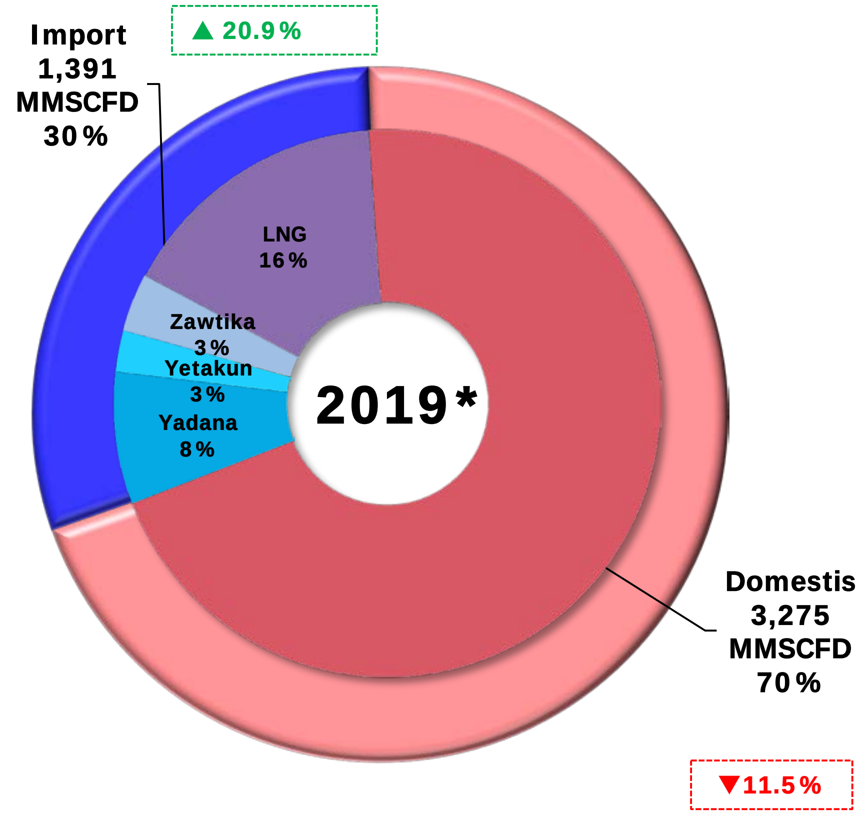
Gas Supply



Gas Supply Ratio

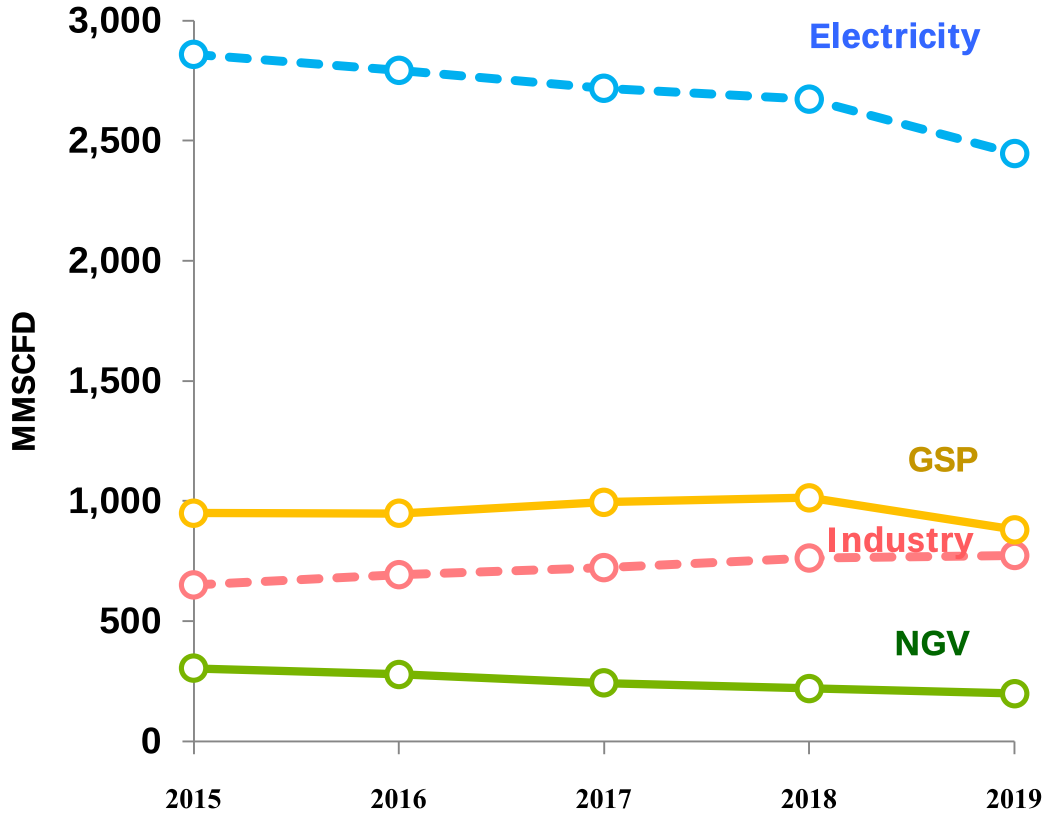


Total 4,666 MMSCFD

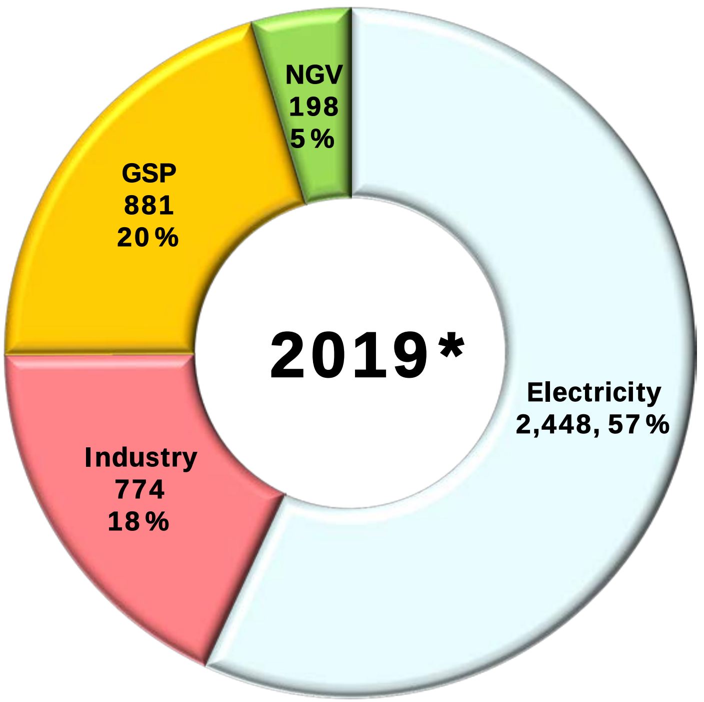
Gas Supply ↓ **3.8%**

** Remark : Year on Year basis (2018-2019)*

Gas Demand



Gas Demand Ratio



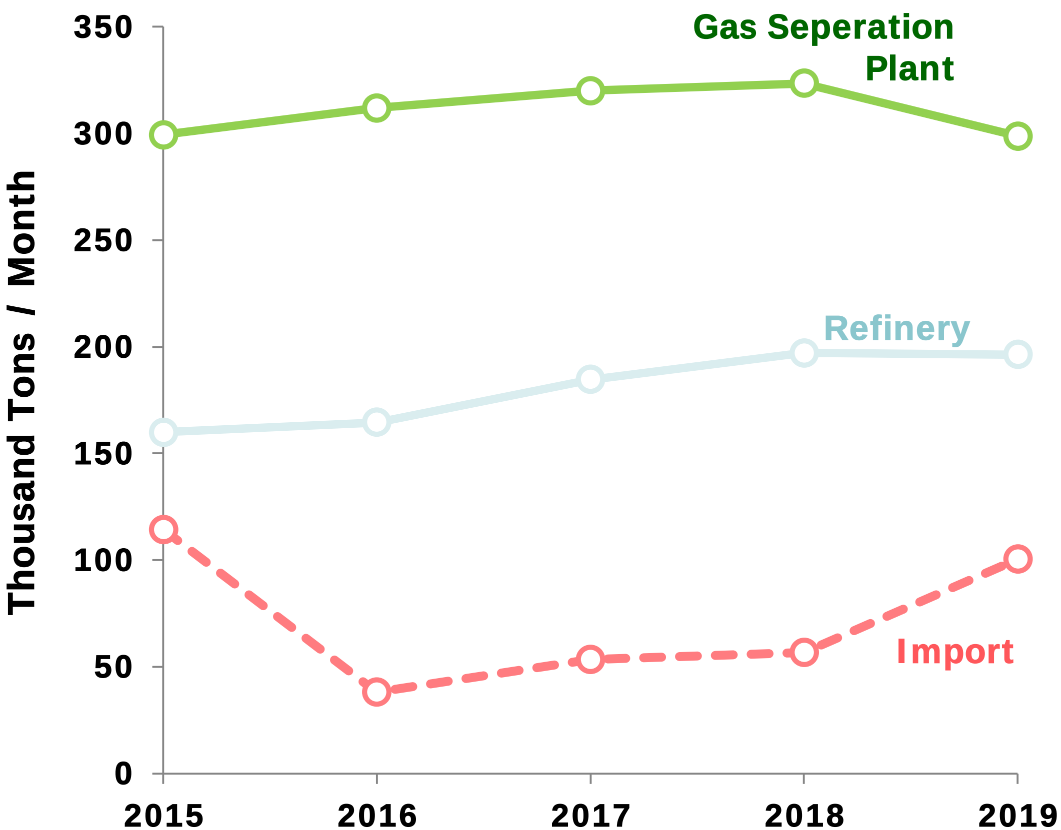
Total 4,301 MMSCFD

Gas Demand ↓ **3.2 %**

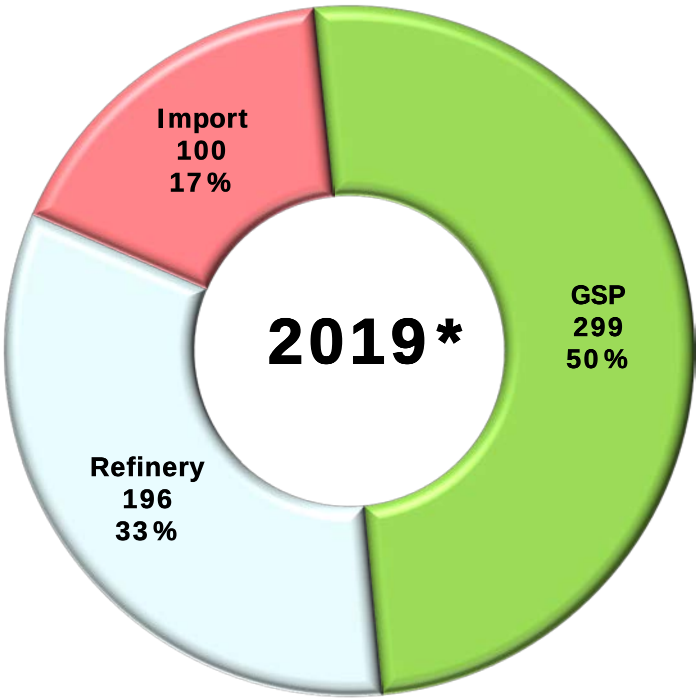
** Remark : Year on Year basis (2018-2019)*

Source : EPPO, Jan 2019

LPG Supply



LPG Supply Ratio



Total 596 Thousand Tons / Month

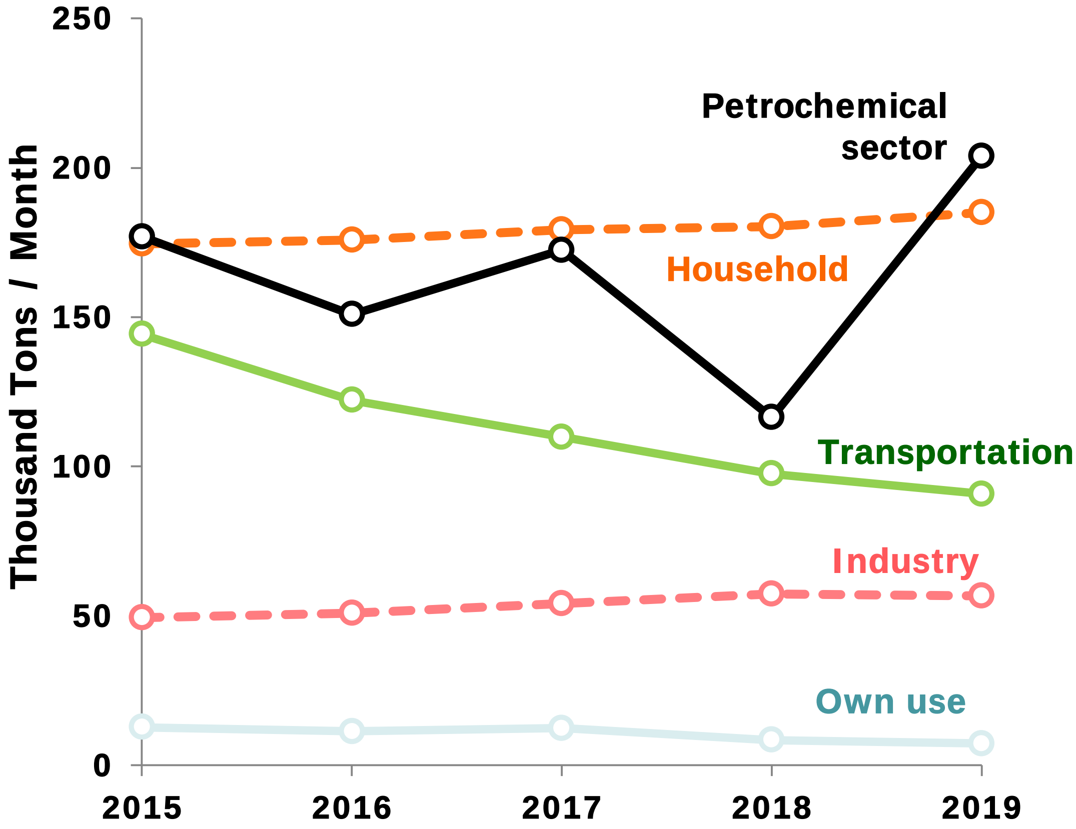
LPG Supply **0.6 %**

** Remark : Year on Year basis (2018-2019)*

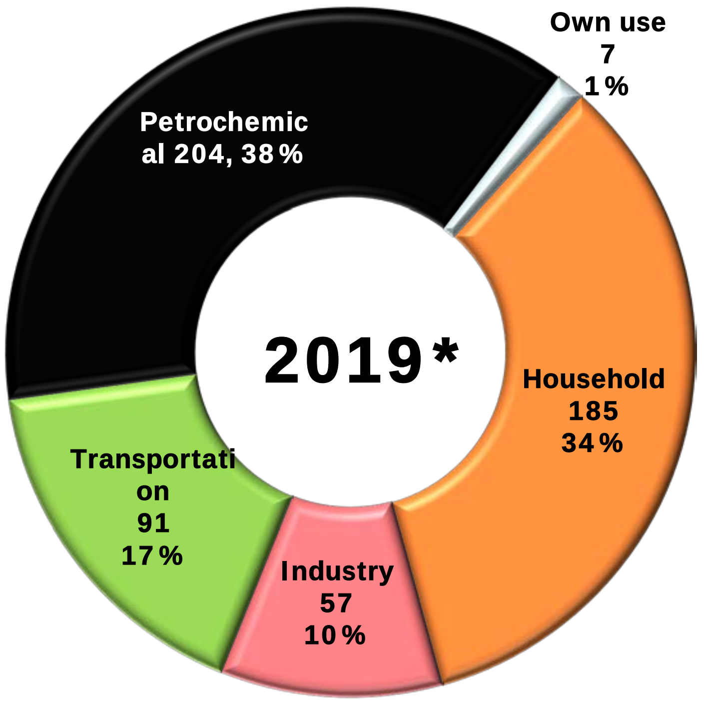
In 2018

- LPG Import has increased due to open market LPG policy
- Number of private companies import LPG increases.

LPG Demand



LPG Demand Ratio



Total 544 Thousand Tons/Month

LPG Demand ↓ 4.3%

* *Remark : Year on Year basis (2018-2019)*

Oil Policy

➤ **Focus area**

1. Oil Security

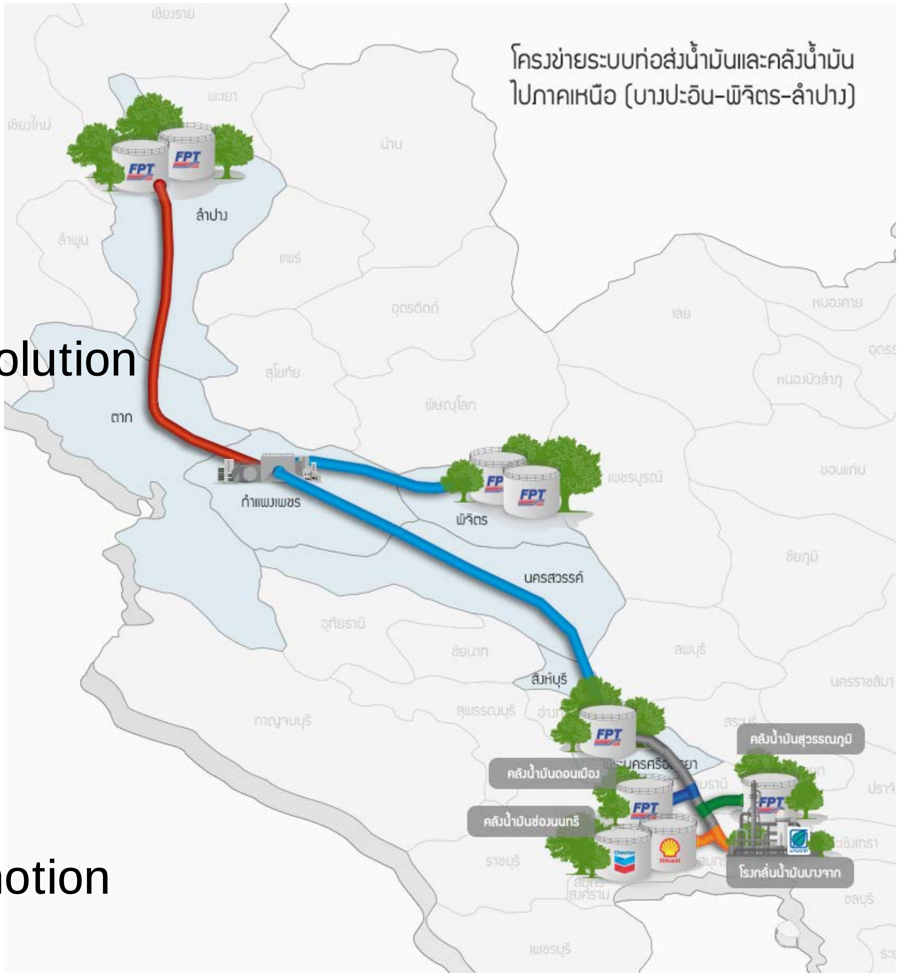
- Infrastructure Investment
- preventive measures and solution for oil shortage situation

2. Financial management

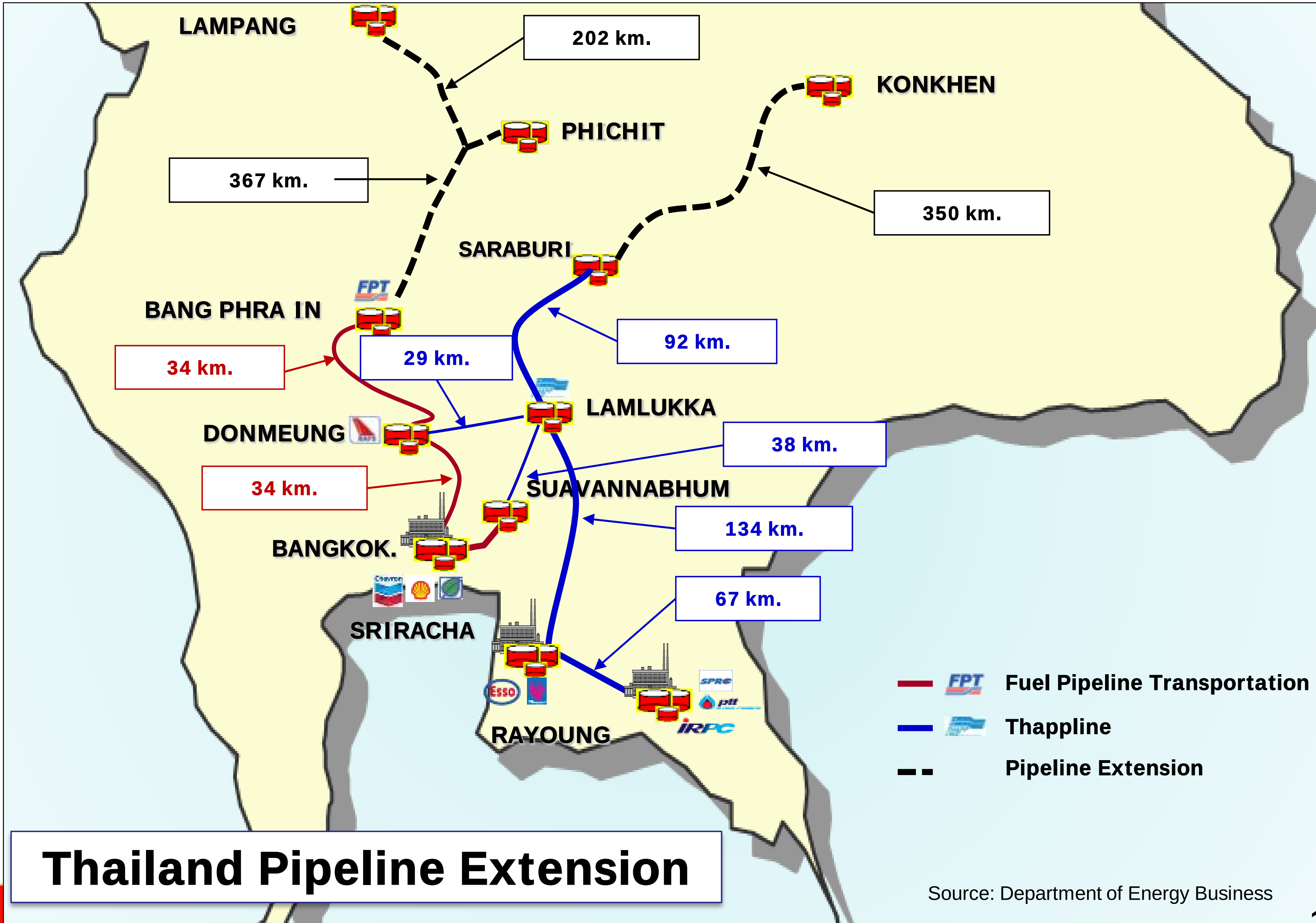
- Competitive market
- Third party access
- Price mechanism
- Fuel type management

3. Sustainability

- Euro 5 standard
- Ethanol and Biodiesel promotion
- EE in transportation sector



Oil Pipeline networks



Gas Policy

➢ **Focus area**

1. Gas Security

- Capability and flexibility of long term gas supply and risk management

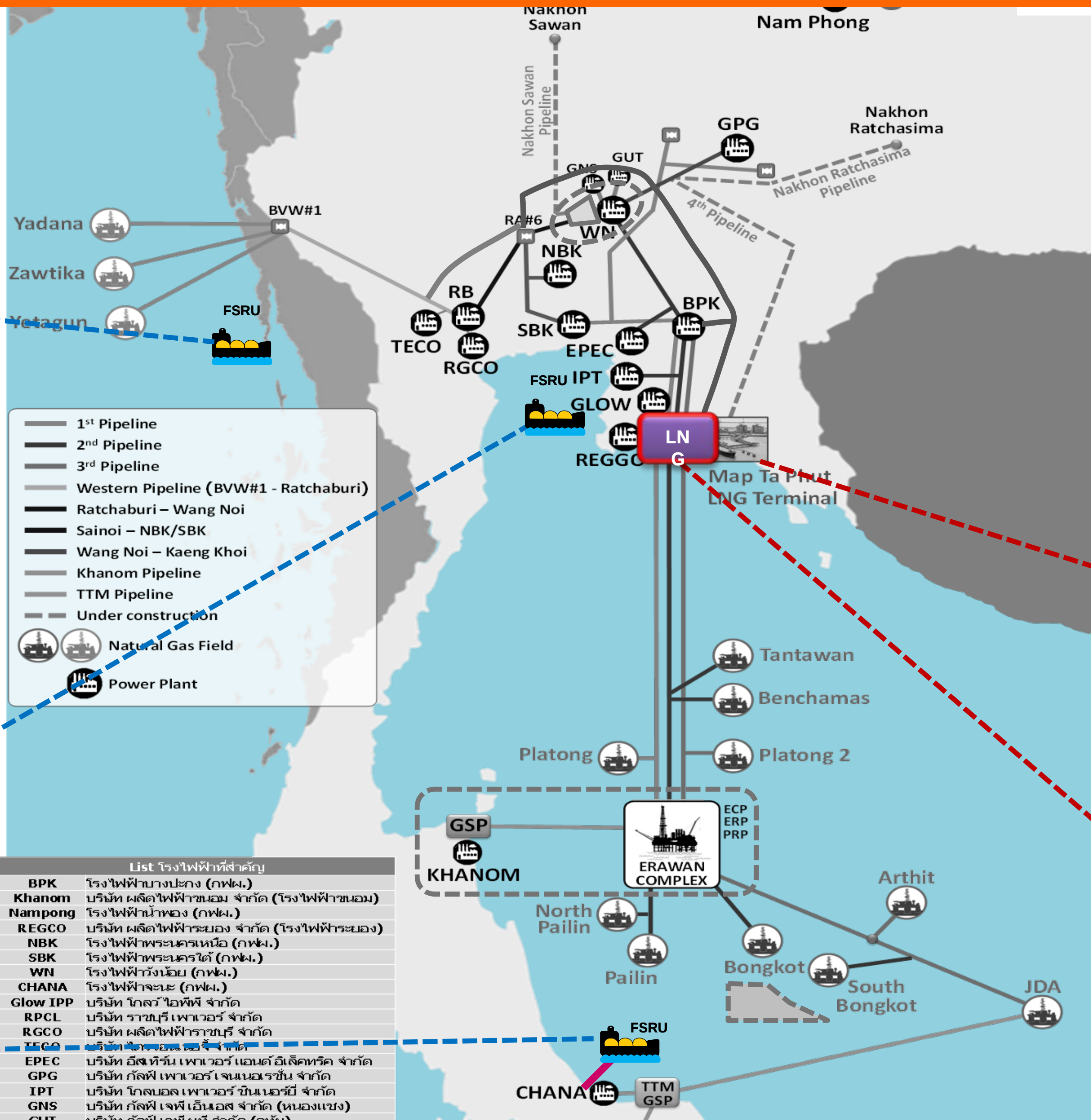
2. Financial management

- Value added on domestic gas
- Gas infrastructure
- Price mechanism
- Third party access

3. Sustainability

- Promote gas demand for industrial and transportation sector

LNG Facilities



Future FSRU Myanmar (3 MTA) (Studying)

Future FSRU EGAT (5 MTA) (Studying)

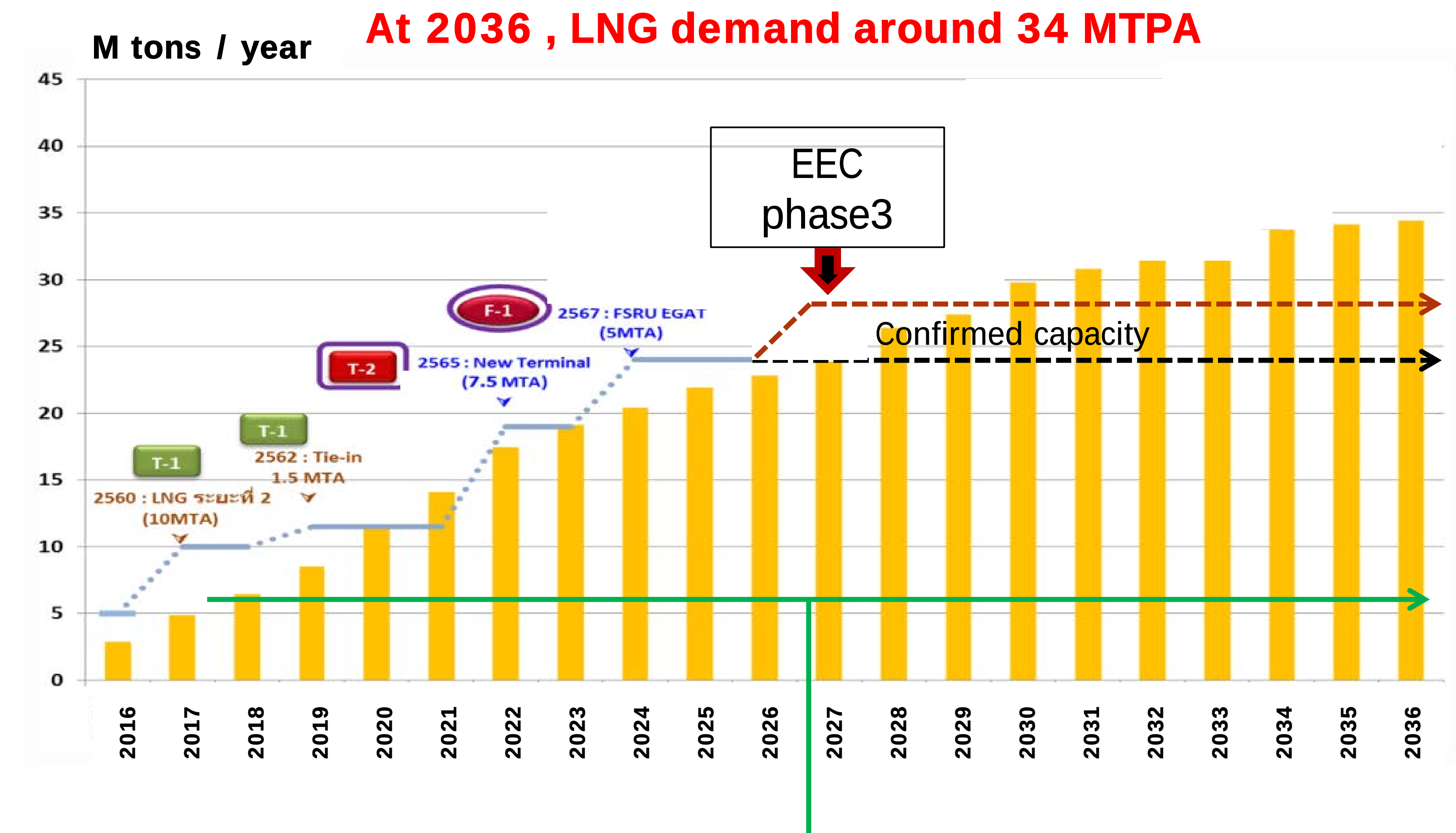
Future FSRU CHANA (2 MTA) (Studying)

Map Ta Phut Terminal (10 MTA) + Tie-in 1.5 MTA

New LNG Receiving Terminal (5 – 7.5 MTA)

List โรงไฟฟ้าที่สำคัญ	
BPK	โรงไฟฟ้าบางปะกง (กฟผ.)
Khanom	บริษัท ผลิตไฟฟ้าขนอม จำกัด (โรงไฟฟ้าขนอม)
Nampong	โรงไฟฟ้าน้ำพอง (กฟผ.)
REGCO	บริษัท ผลิตไฟฟ้าระยอง จำกัด (โรงไฟฟ้าระยอง)
NBK	โรงไฟฟ้าพระนครเหนือ (กฟผ.)
SBK	โรงไฟฟ้าพระนครใต้ (กฟผ.)
WN	โรงไฟฟ้าวังน้อย (กฟผ.)
CHANA	โรงไฟฟ้าจะนะ (กฟผ.)
Glow IPP	บริษัท โกลว์ ไอพีพี จำกัด
RPCL	บริษัท ราชบุรี เพาเวอร์ จำกัด
RGCO	บริษัท ผลิตไฟฟ้าราชบุรี จำกัด
TECO	บริษัท [illegible] จำกัด
EPEC	บริษัท อีสเทิร์น เพาเวอร์ แอนด์ อิเล็คทริค จำกัด
GPG	บริษัท กัลฟ์ เพาเวอร์ เจนเนอเรชั่น จำกัด
IPT	บริษัท โกลบอล เพาเวอร์ ซินเนอร์ยี่ จำกัด
GNS	บริษัท กัลฟ์ เจพี เอ็นเอส จำกัด (หนองแซง)
GUT	บริษัท กัลฟ์ เจพี ยูที จำกัด (อุทัย)

LNG Demand by Gas Plan 2015



Current , LNG Long Term Contract

5.2 MTPA in 4 contracts.

Thank you for your attention