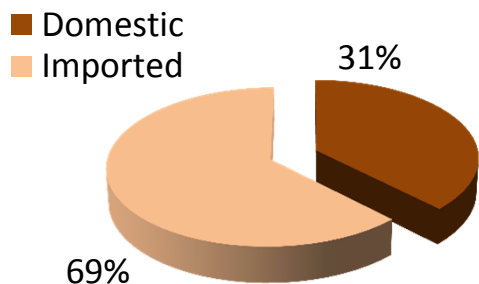


Thailand's Upstream Petroleum Business Overview



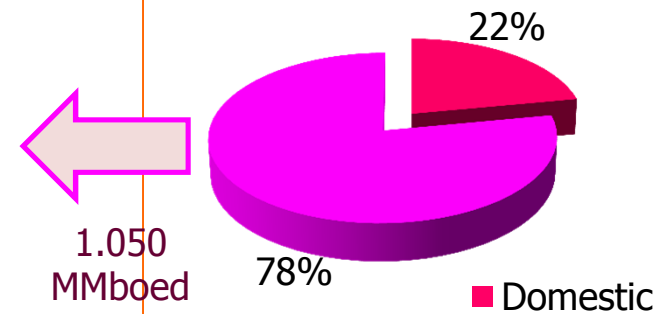
Primary Commercial Energy in 2012: Supply

Coal and Lignite Supply

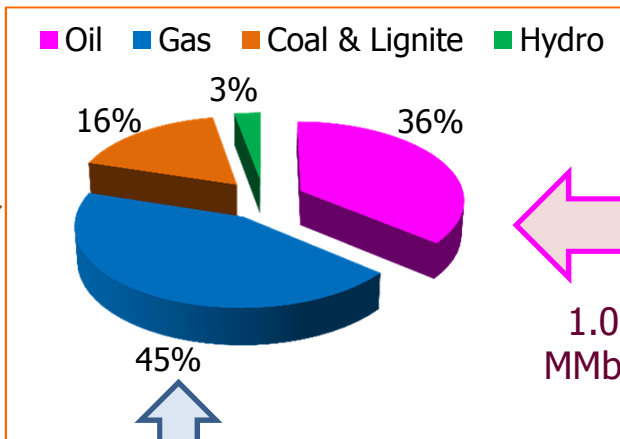


0.331 MMboed

Crude and Condensate Supply

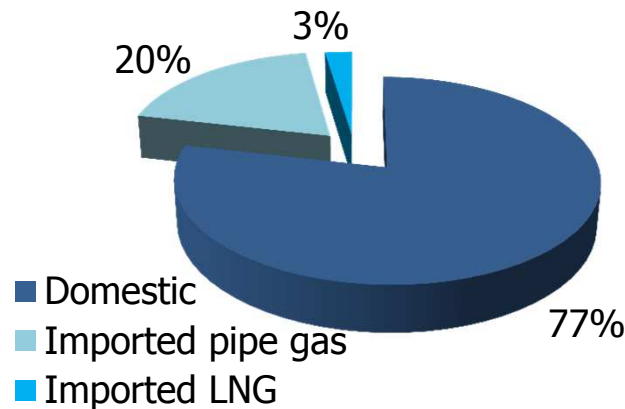


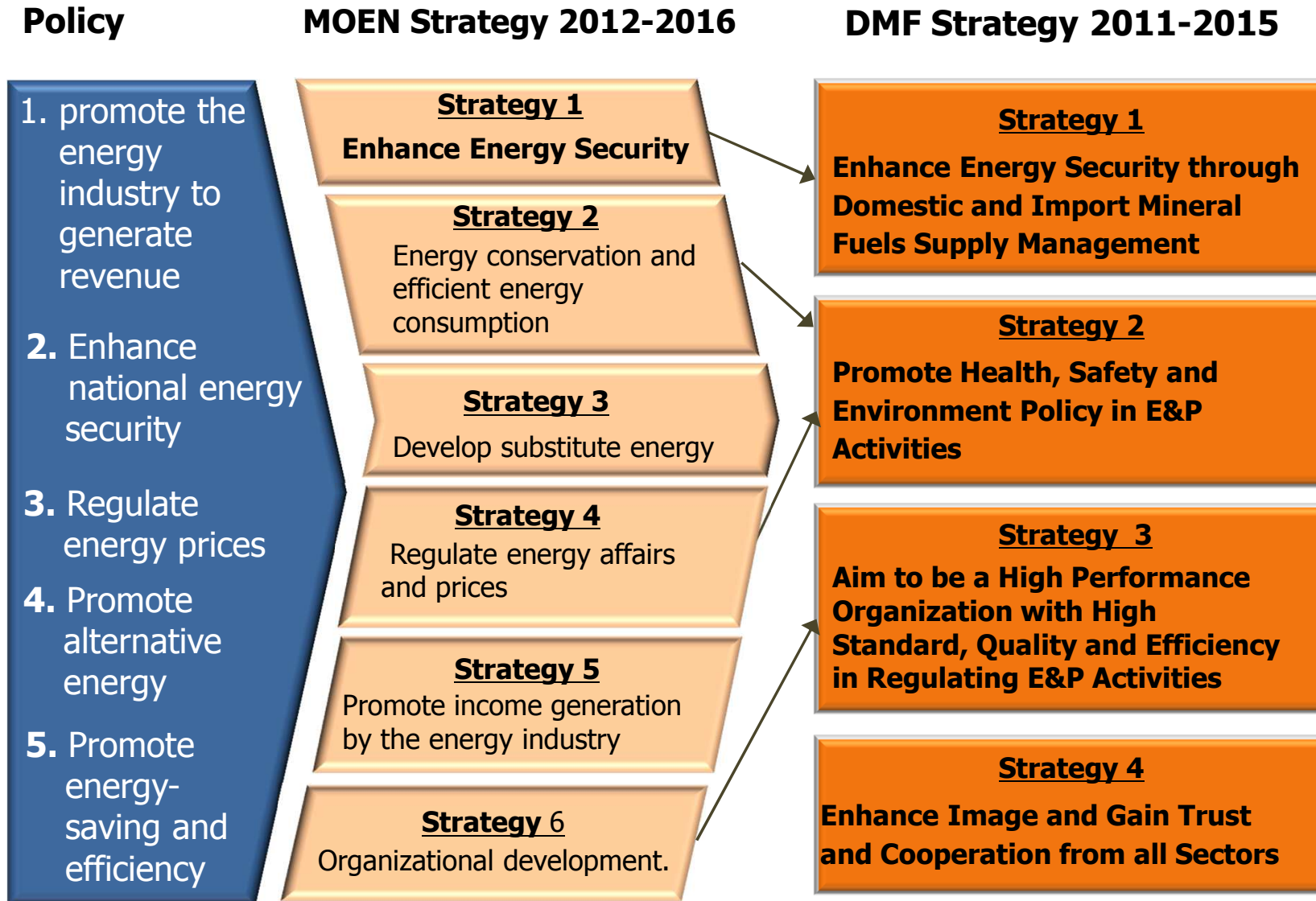
1.050 MMboed

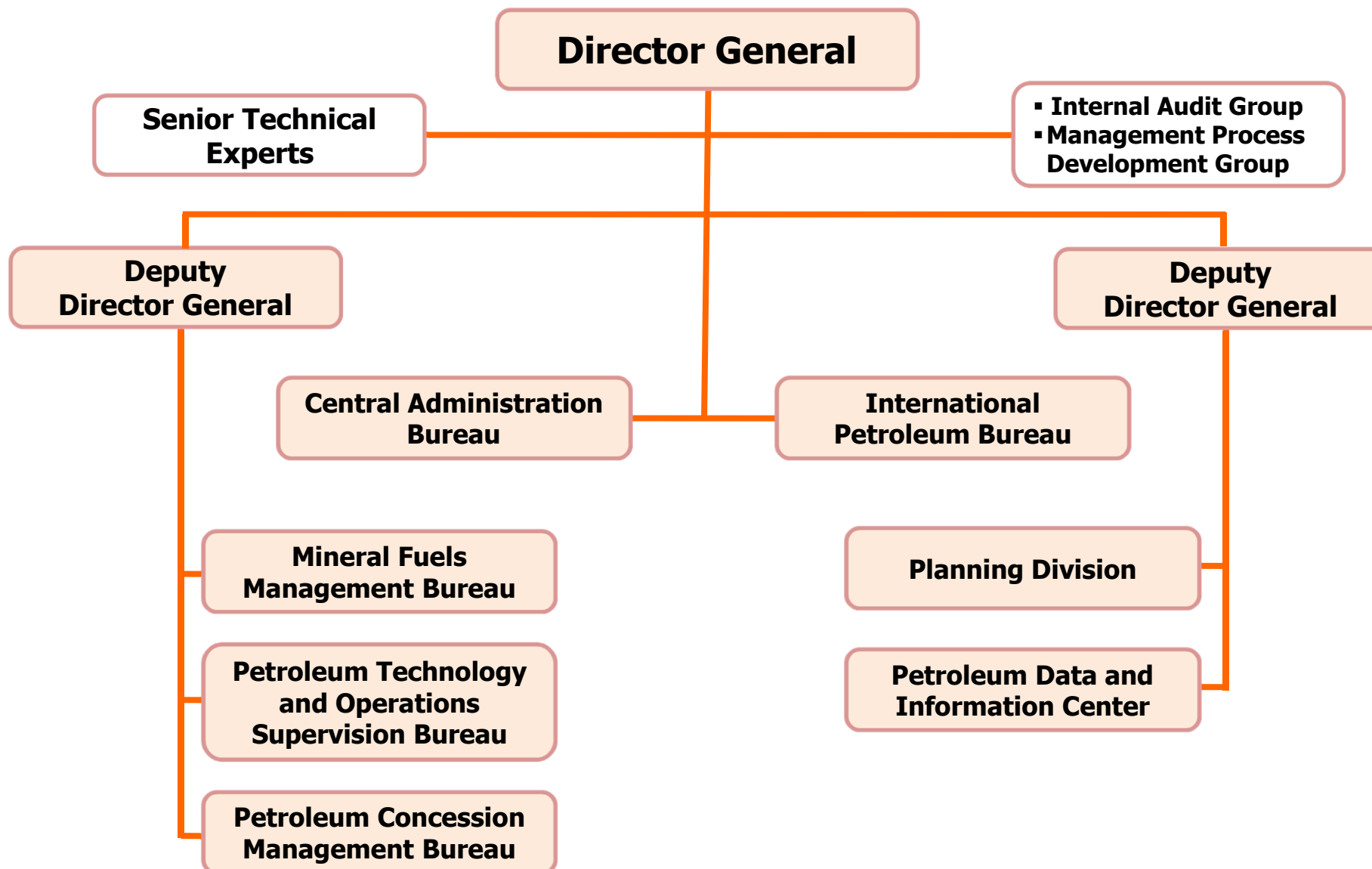


4,850 MMscfd

Natural Gas supply







- **Petroleum Act B.E.2514 (1971AD)**
- **Petroleum Income Tax Act B.E.2514 (1971AD)**

- **Thailand I Regime : 1971-1989**
- **Thailand III Regime : 1989 - present**

	<u>Thai I</u>	<u>Thai III</u>
<i>Exploration Period (yrs)</i>	3 + 5 + (4 ext.)	3 + 3 + (3 ext.)
<i>Production Period (yrs)</i>	30 +10 (Ext.)	20 +10 (Ext.)
<i>Government Take</i>	<ul style="list-style-type: none"> • Royalty 12.5% • Petroleum Income Tax 50% 	<ul style="list-style-type: none"> • Royalty 5-15% • Petroleum Income Tax 50% • SRBs 0-75% on Windfall Profit

Present status of Thailand's Petroleum Concessions



□ No. Bidding Round to date = 20
(since 2514 B.E.)

□ 53 Concessions 67 Blocks

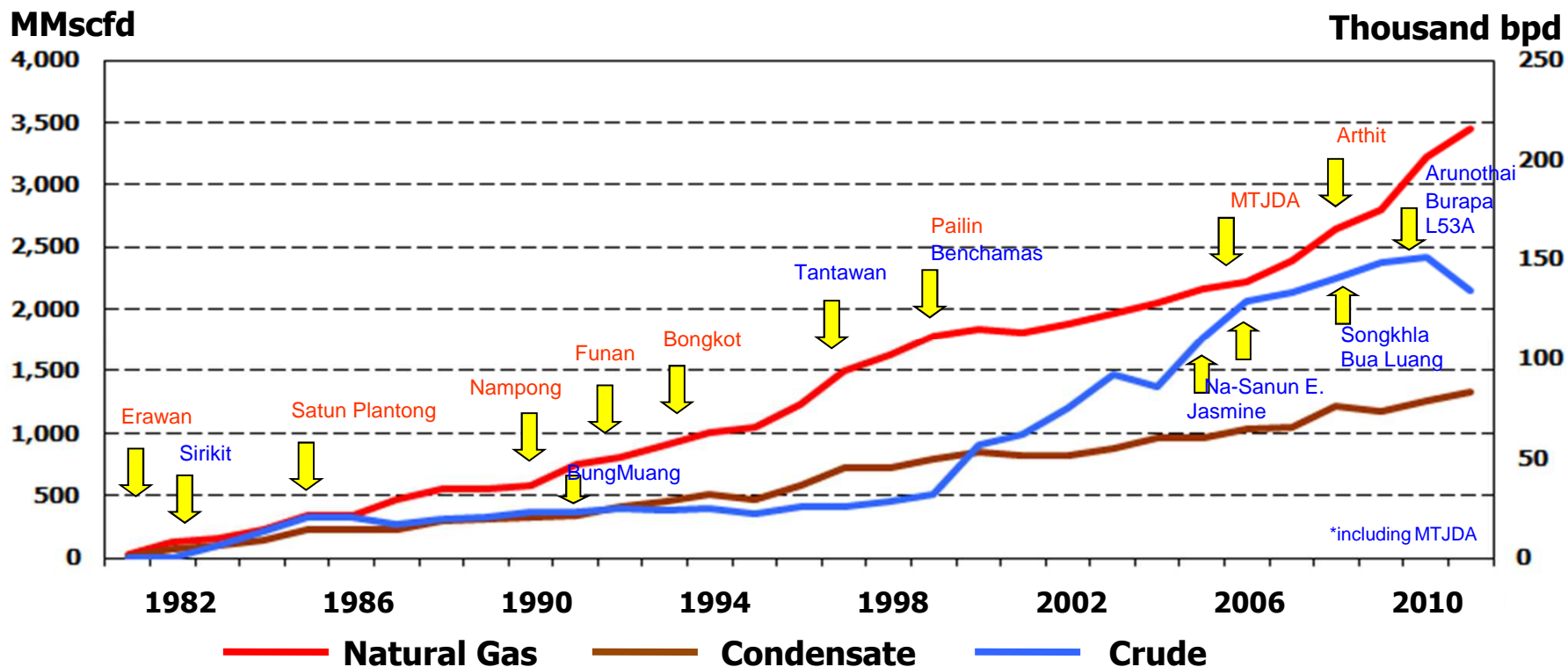
*Including 6 inactive blocks

	Production	Exploration
Onshore	15	26
GoT	16	18
Andaman	-	2
Total	31	36

(GoT = Gulf of Thailand)

**▪ Thailand – Malaysia Joint Authority Act
B.E. 2533 (1990AD)**

- **Royalty** : **10 %**
- **Cost Recovery** : **50 %**
- **Profit Split** : **50:50 (MTJA : Contractors)**
- **Research Cess** : **0.5 % (of Cost Recovery
+ Contractor Profit Share)**
- **Export Duty** : **10 % (of Contractor Profit Oil Share)**
- **Petroleum Income Tax**
 - 1st 8 yrs of production* : **0 %**
 - Next 7 yrs of production* : **10 %**
 - Subsequent yrs* : **20 %**
- **PSC Contract** : **up to 35 yrs.**



Average Production Rate (2012)

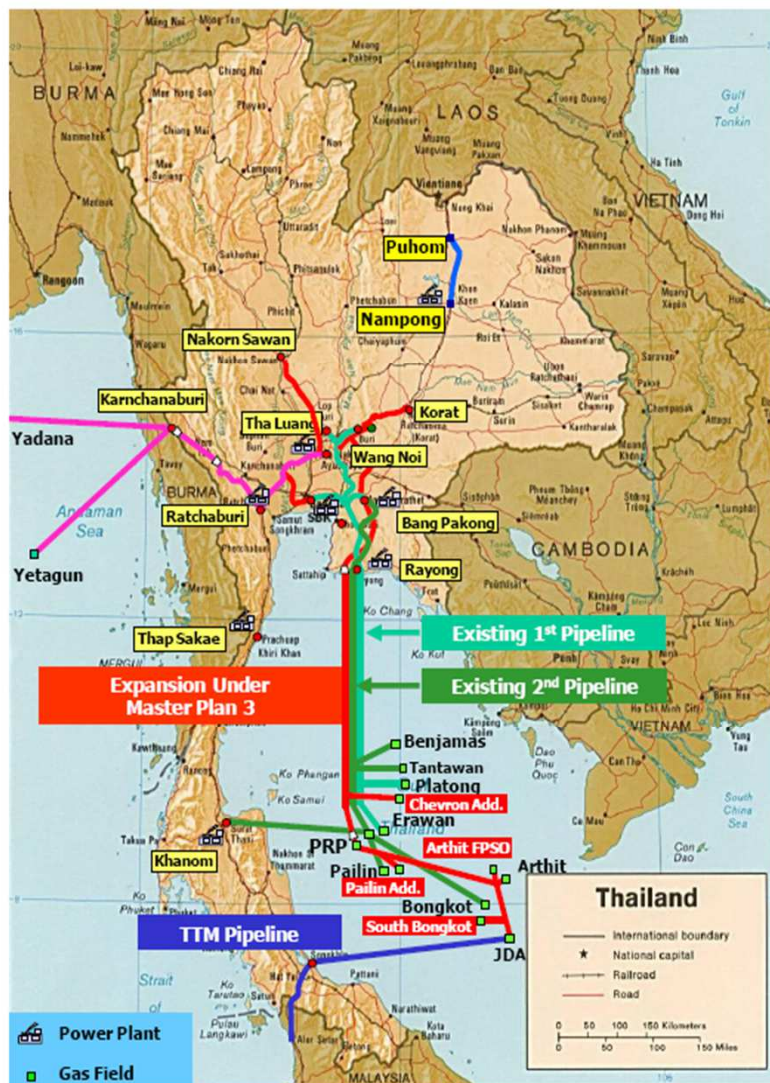
- Natural Gas 2,930 * MMscfd
- Condensate 91,000 bpd
- Crude 145,000 bpd

* Excludes MTJA ~ 750 MMscfd

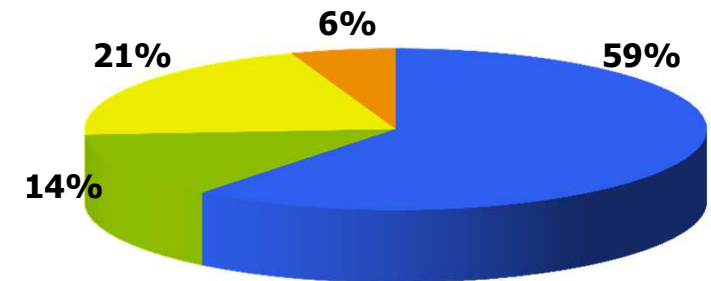
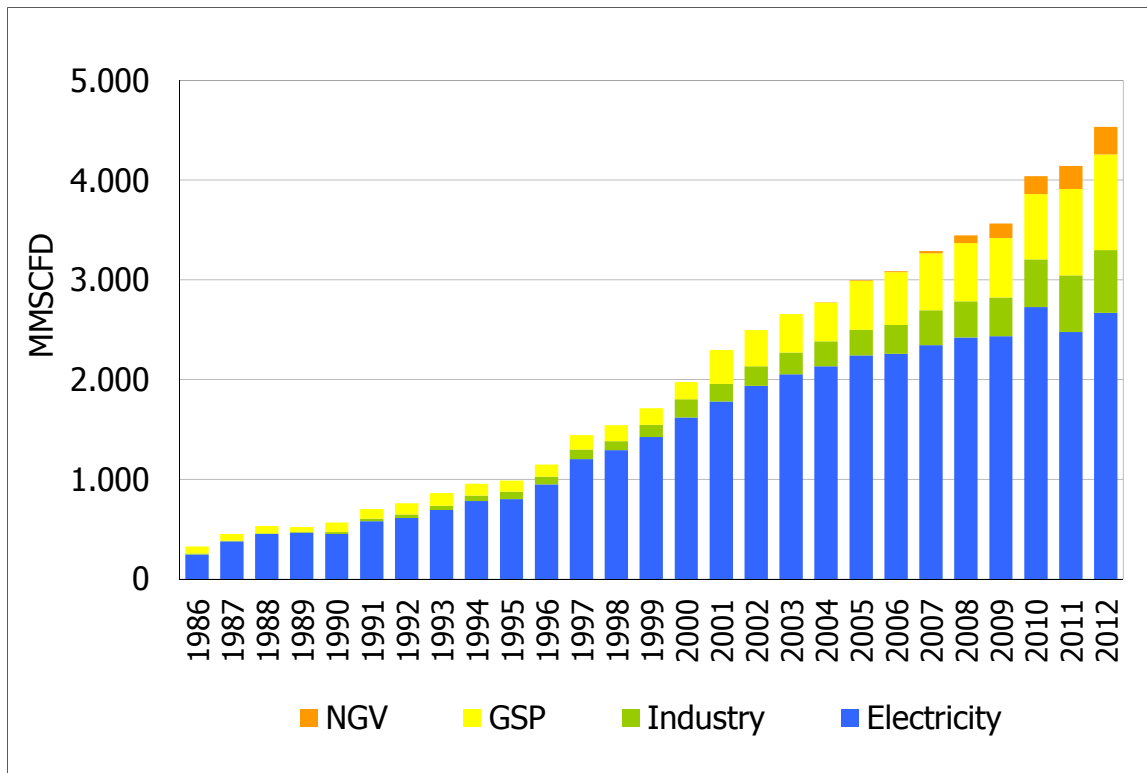
TYPES	Proved Reserves (P1)	Probable Reserves (P2)	Total 2P (P1+P2)
Natural Gas (TCF)	10.06	10.79	20.85
Condensate (Million Barrels)	239	306	545
Crude Oil (Million Barrels)	215	383	598

@ Dec 2011





Existing network (3,508 km.)			
MMcfd	East	West	Total
Capacity	3,080	1,300	4,380
Trans Thai-Malaysia (363 km.)			
Capacity			1,020
Future Network (756 km.)			
Capacity	2,600	7,00	3,300
Total (4,264 km.)			
Capacity	5,680	2,000	8,700



■ Electricity ■ Industry ■ GSP ■ NGV

(2012 averaged) source: EPPO

Natural Gas utilization by sector (1986 – 2012)



THANK YOU



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