

An Update on Taiwan's Natural Gas and LNG Market

CPC Corporation, Taiwan
November, 2023



Outline



**Energy Supply &
Consumption**



**LNG/Gas Market
in Taiwan**



Conclusion



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Energy Supply & Consumption



LNG/Gas Market in Taiwan

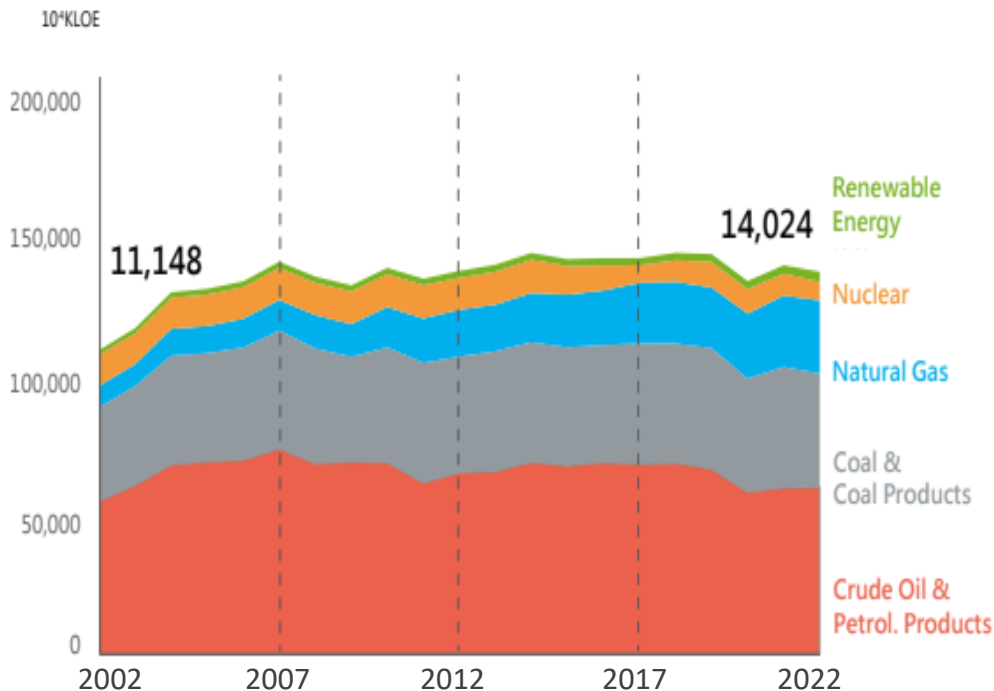


Conclusion



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Energy Supply in Taiwan



In 2022

- Total energy imported: **97.3%**.
- Fossil energy share was 92.4%: coal (29.7%), oil (43.6%), and **gas (19.1%)**.
- Renewable energy (Indigenous) 2.7%.

Compared to the last year:

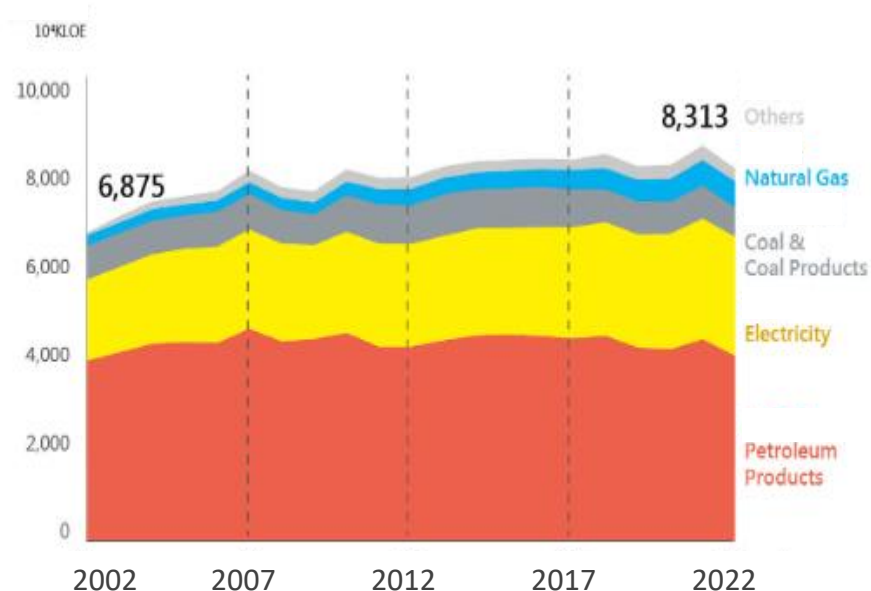
- Energy imported decreased 0.4%.
- Natural Gas: 2021/17.8% - >2022/19.1%

Source: Energy Statistics Handbook 2022, Bureau of Energy, Ministry of Economic Affairs, Taiwan.



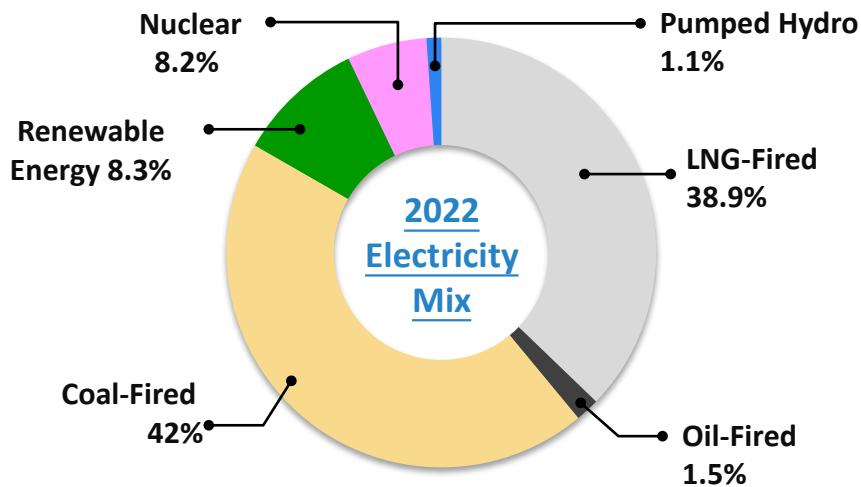
Energy Consumption in Taiwan

Structure of Domestic energy Consumption



Source: Energy Statistics Handbook 2022, Bureau of Energy, Ministry of Economic Affairs, Taiwan.

- **Electricity** made up **32.1%** of total energy consumption in 2022.
- Main fuels for power generation : Coal (42%), **LNG(38.9%)** and Nuclear (8.2%).





Energy Supply &
Consumption



**LNG/Gas Market
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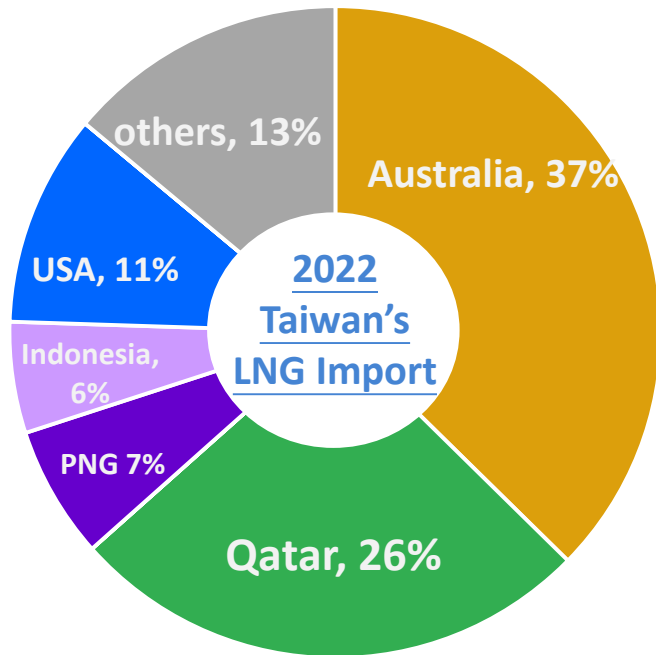


Conclusion




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Taiwan's LNG Imports in 2022



Source: Energy Statistics Handbook 2022, Bureau of Energy, Ministry of Economic Affairs, Taiwan.

Taiwan imported **19.96** million tons of LNG in 2022, shared **5.1%** of global LNG imports.

Principal LNG importers		
Country	Volume (Million tons)	Global share
Japan	72.16	18.5%
China	63.32	16.3%
S. Korea	47.19	12.1%
France	24.75	6.4%
 Taiwan	19.96	5.1%
India	19.90	5.1%

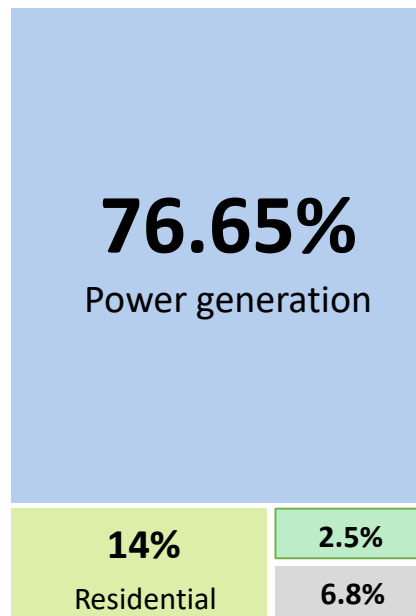
Source: GIIGNL Annual Report 2022



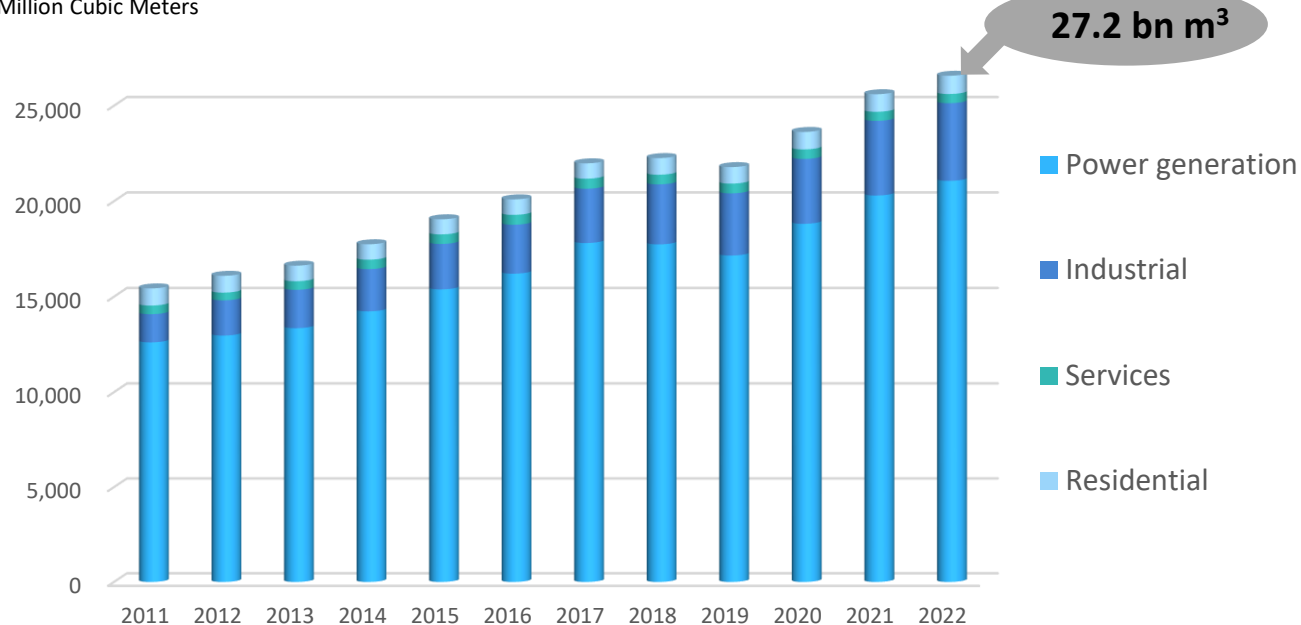
Taiwan's Gas Market in 2022

In 2022:

Power generation takes the majority of gas consumption.



Million Cubic Meters



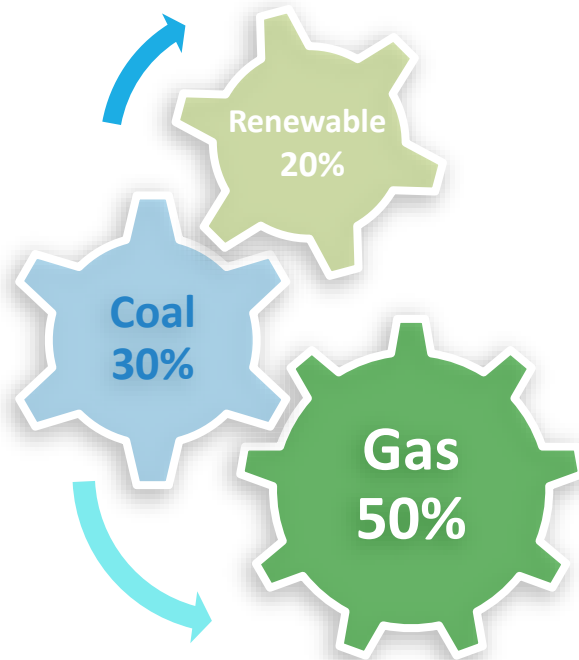
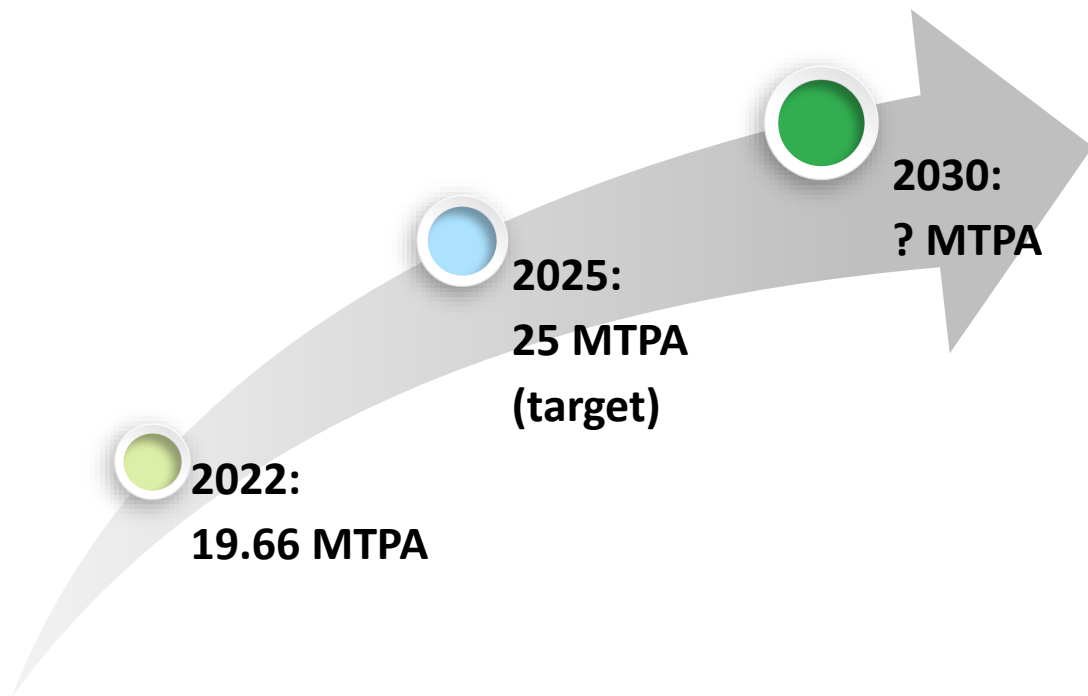
Source: Energy Statistics Handbook 2022. Bureau of Energy MOEA R.O.C.



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Increasing LNG Demand

Total Capacity



2025 Electricity Mix

LNG Infrastructure Expansion

GuanTang (Phase I)

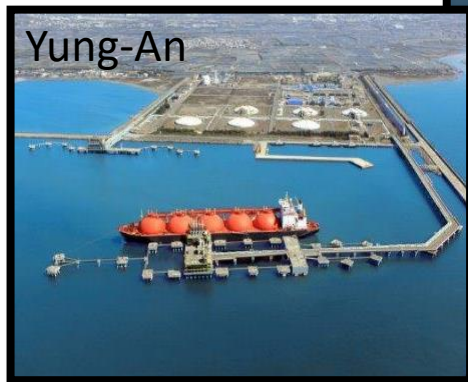
3MTPA

Commissioning in mid 2025

Taichung

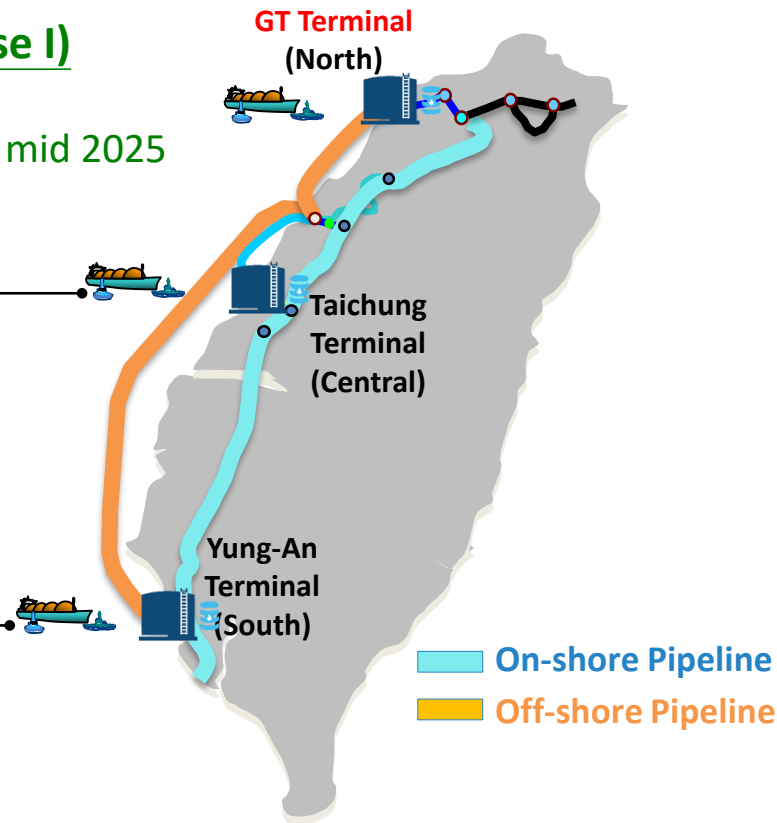
+2 Tanks (180k m³ /each)
by end 2026

+4 Tanks (180k m³ /each)
by end 2028



Yung-An

+2 Tanks
(feasibility study)





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Taiwan's LNG demand remains increasing.



LNG infrastructure matters.



Cooperation with other LNG importers to enhance flexibility and security of supply.

Thank you for attention.

