

# Canada's Next Chapter in the Indo-Pacific

*-From the Viewpoint of Current Energy Landscape-*

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# Canada's Next Chapter in the Indo-Pacific

- 1. Energy Reality of the Global South & Indo-Pacific**
- 2. Energy Needs and Security in the Indo-Pacific**
- 3. Japan's Energy Policy – A cautionary tale post Fukushima**
- 4. Canada's Role for Decarbonization and Energy Security in the Indo-Pacific**

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# Energy Poverty of the Global South

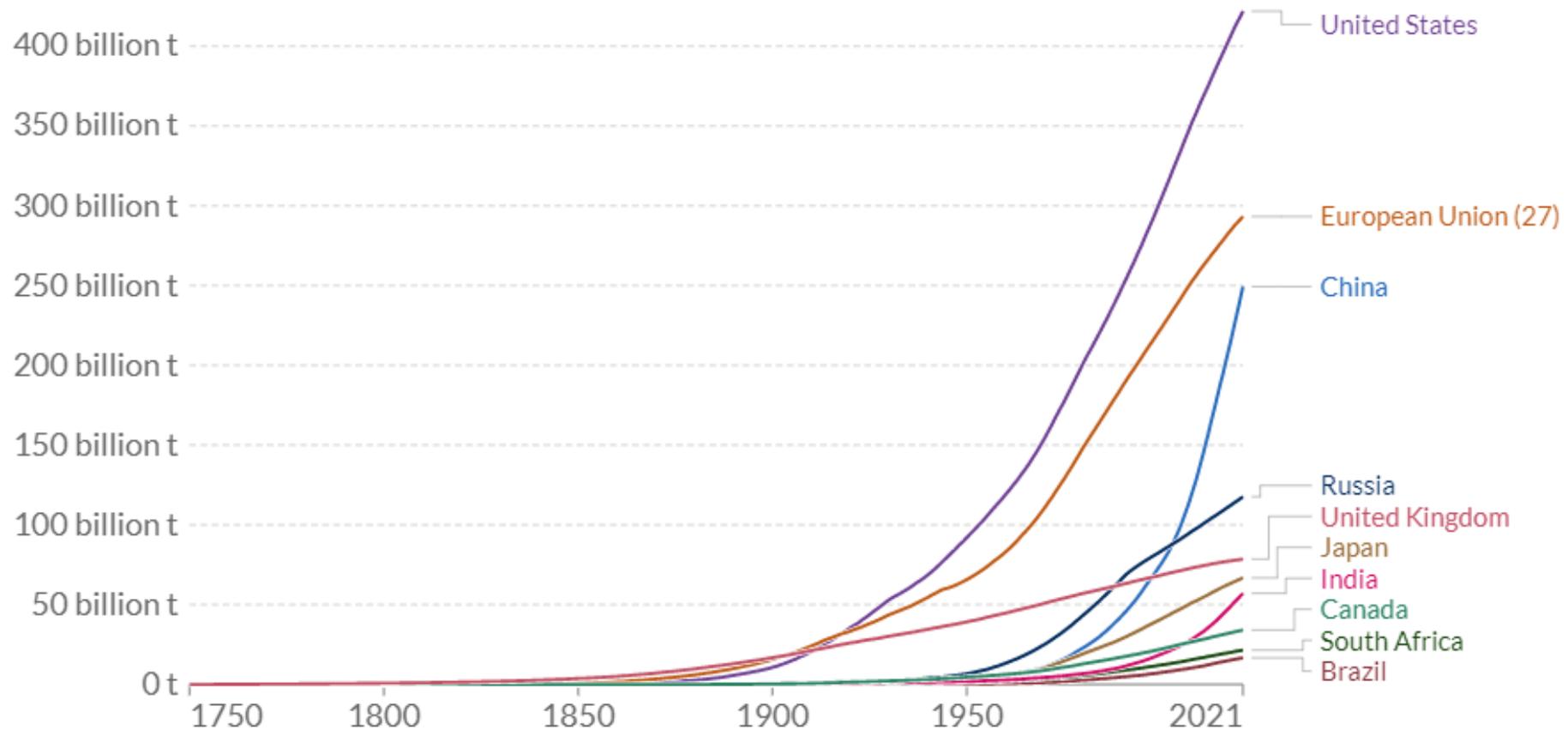
- **2.5 billion people have no access to clean cooking**
  - 30% of the global population / 60% are in Asia
- **3 million people are losing their lives prematurely every year** due to household air pollution



# Is the Global South Responsible for Climate Change?

- Since 1751, the world has emitted over 1.5 trillion tons of CO<sub>2</sub>
- Developing countries urge the world's top CO<sub>2</sub> emitters to take on the greatest responsibility

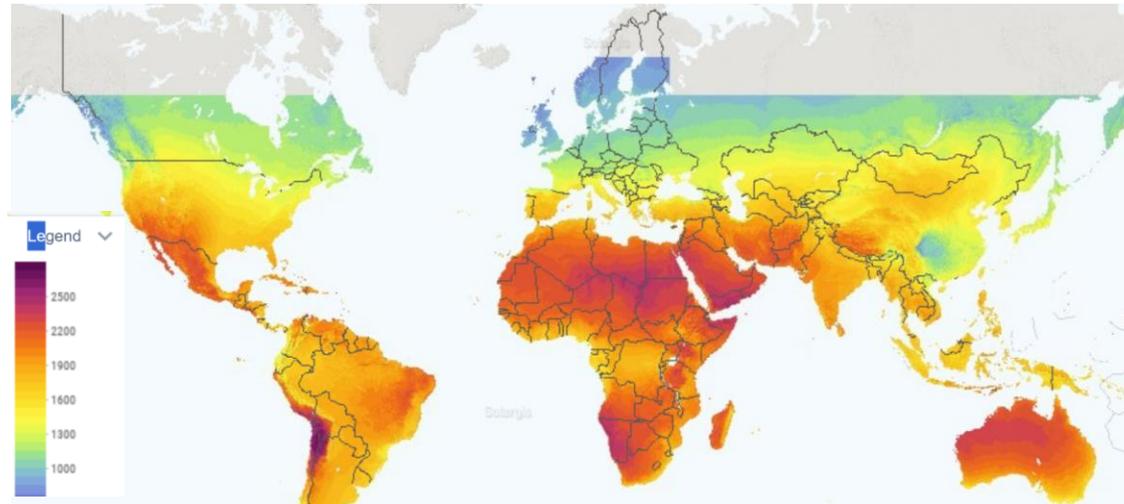
## Cumulative CO<sub>2</sub> Emissions



(Source : Our World in Data)

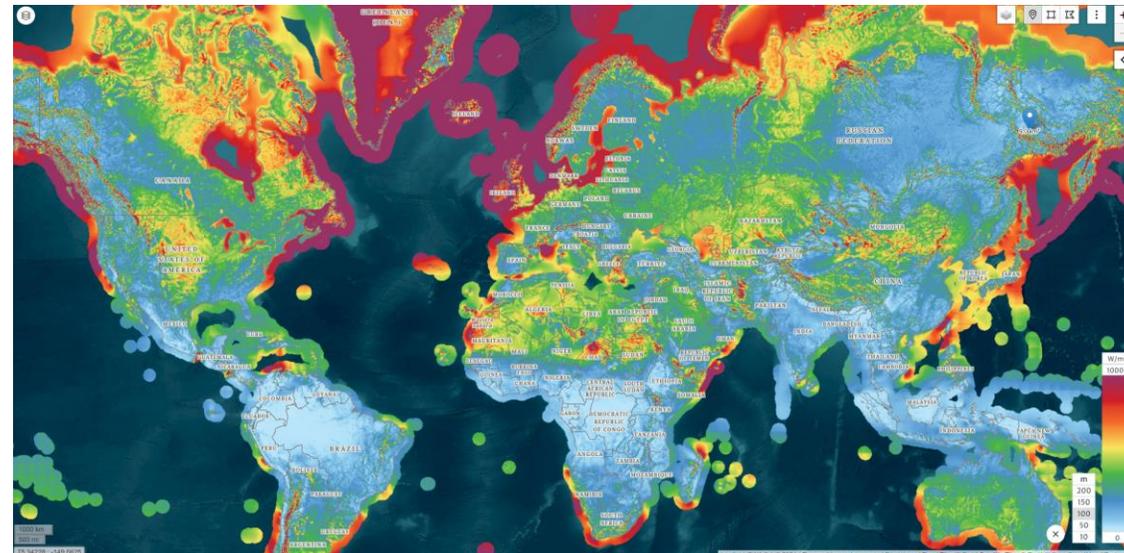
# Renewable Resource Constraints in the Indo-Pacific

## Solar resource



(Source : Global Solar Atlas  
<https://globalsolaratlas.info/map>)

## Wind resource



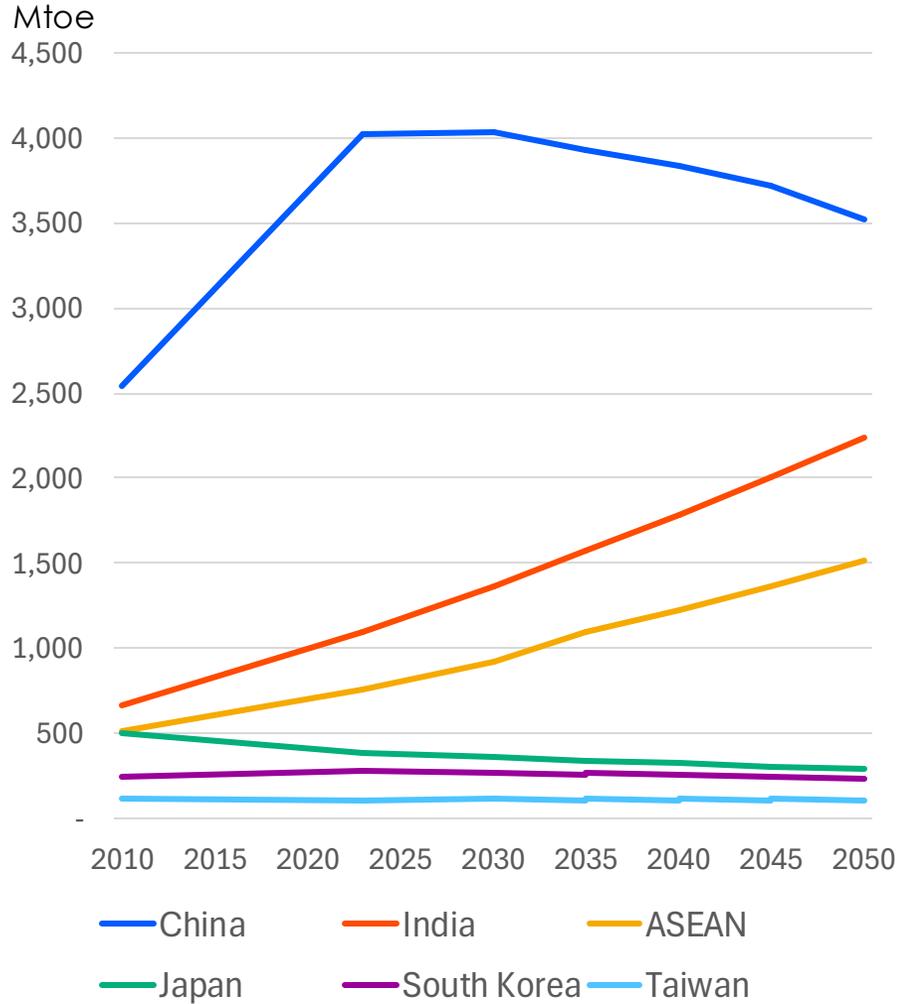
(Source : Global Wind Atlas  
<https://globalwindatlas.info/en/>)

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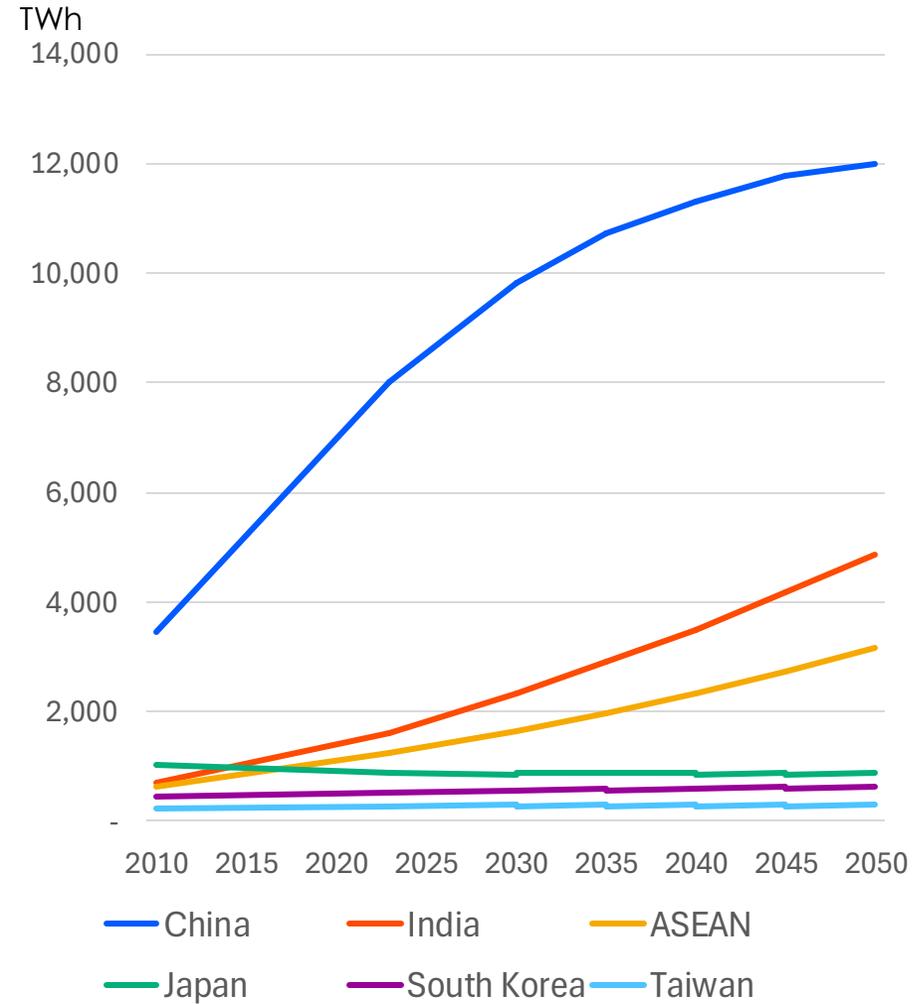
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# Energy Demand Outlook in the Indo-Pacific

## Primary Energy

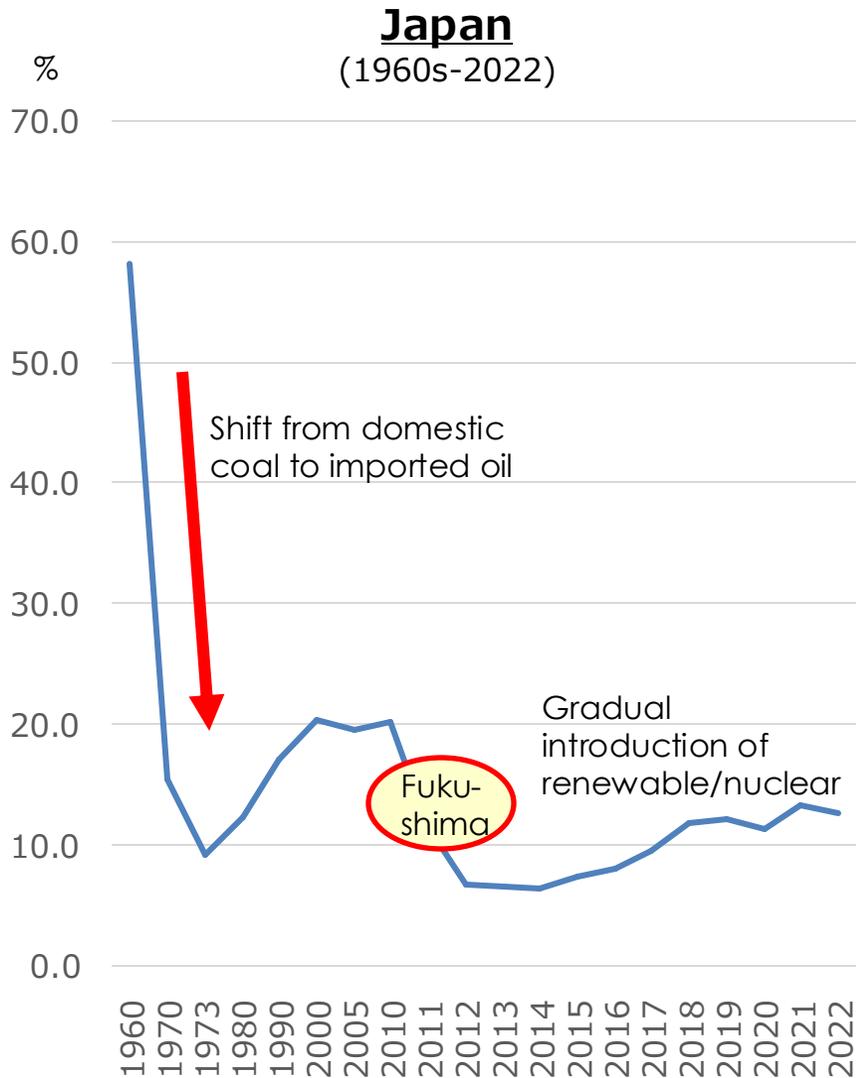


## Power

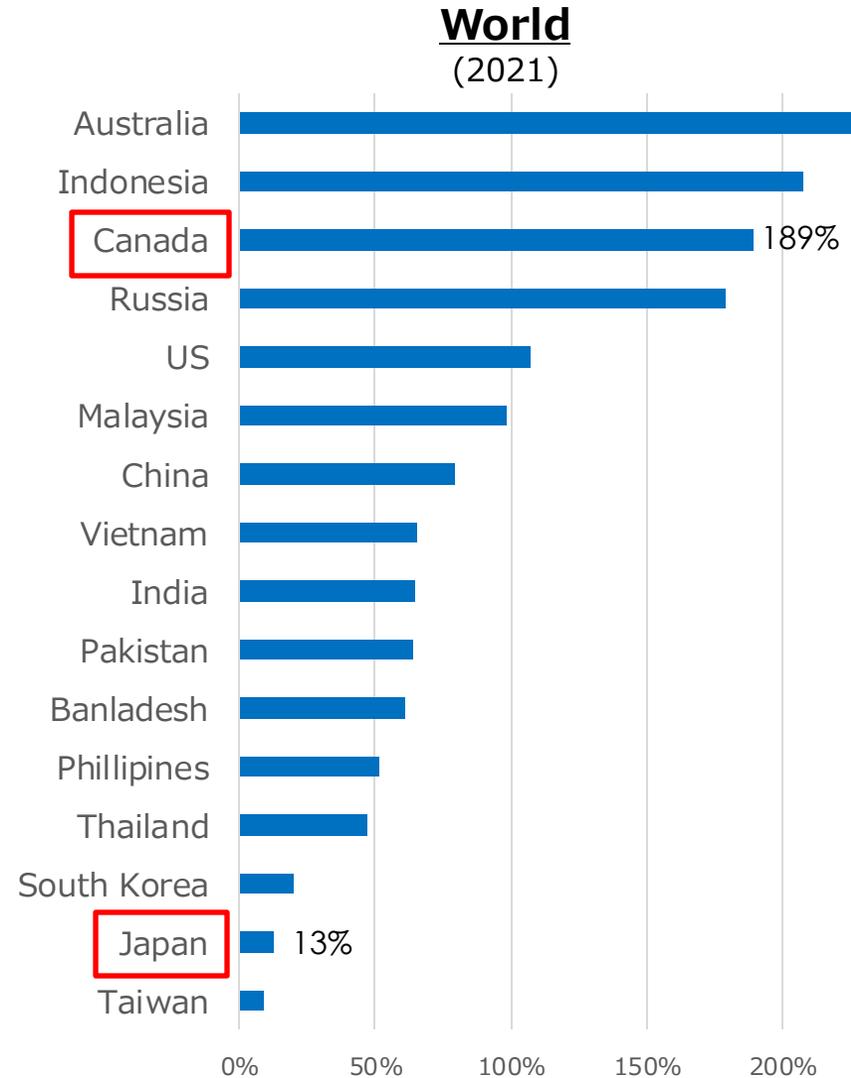


(Source : IEEJ Outlook 2026)

# Energy Self-Sufficiency Rate in the Indo-Pacific



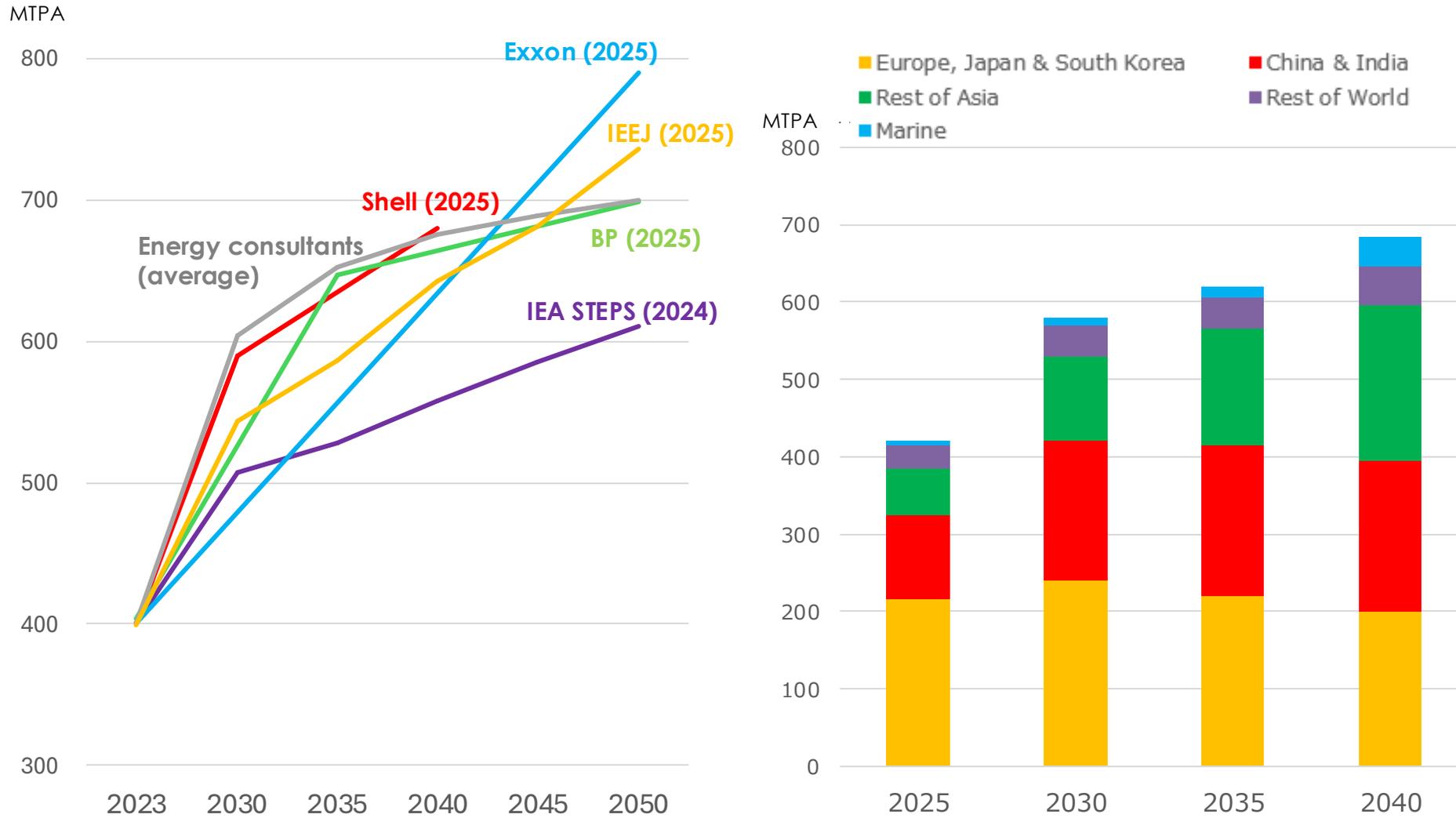
(Source : METI "Energy White Paper")



(Source : [Energy self-sufficiency data - Lowy Institute Asia Power Index](#))

# LNG Demand Outlook

## Global LNG Demand



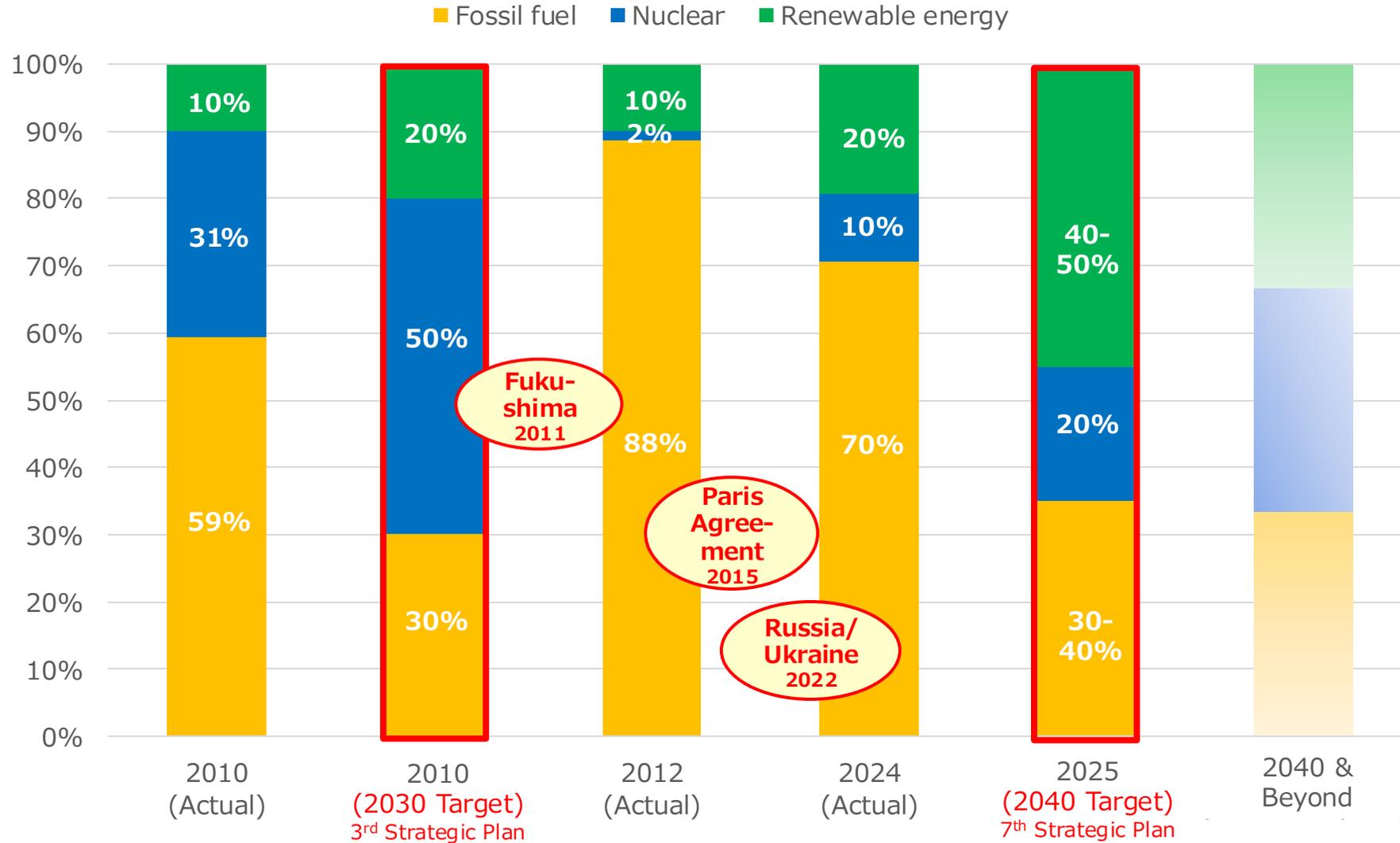
(Source : Shell LNG Outlook)

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# Japan's Strategic Energy Plan & Actual Records

## Power Energy Mix



# Status Quo of Nuclear Power Plants in Japan

Under operation

再稼働  
14基

稼働中 12基、停止中 2基 (送電再開日)

Under/Pre-review

設置変更許可  
4基

(許可日)

新規制基準  
審査中  
8基

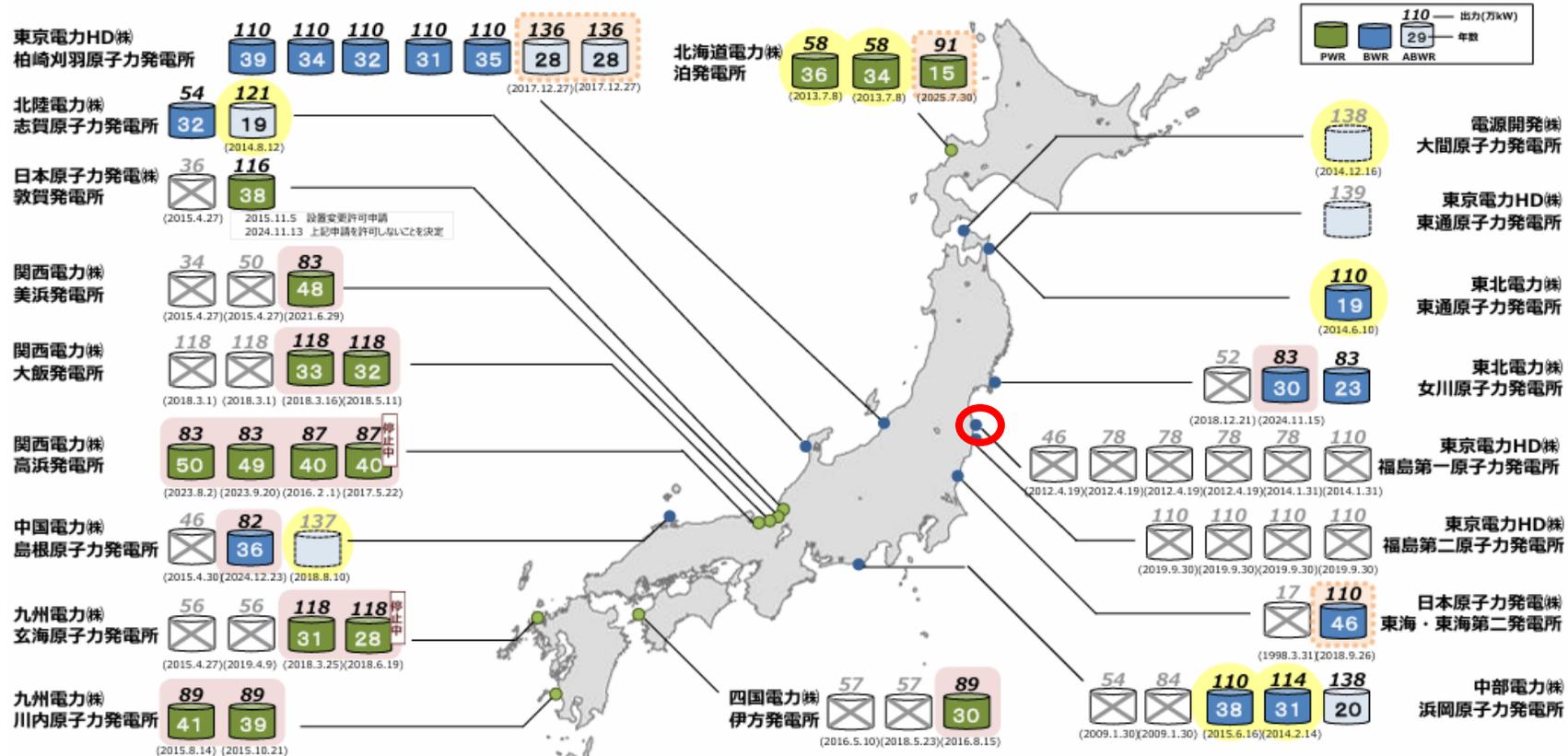
(申請日)

未申請  
10基

Decommissioned

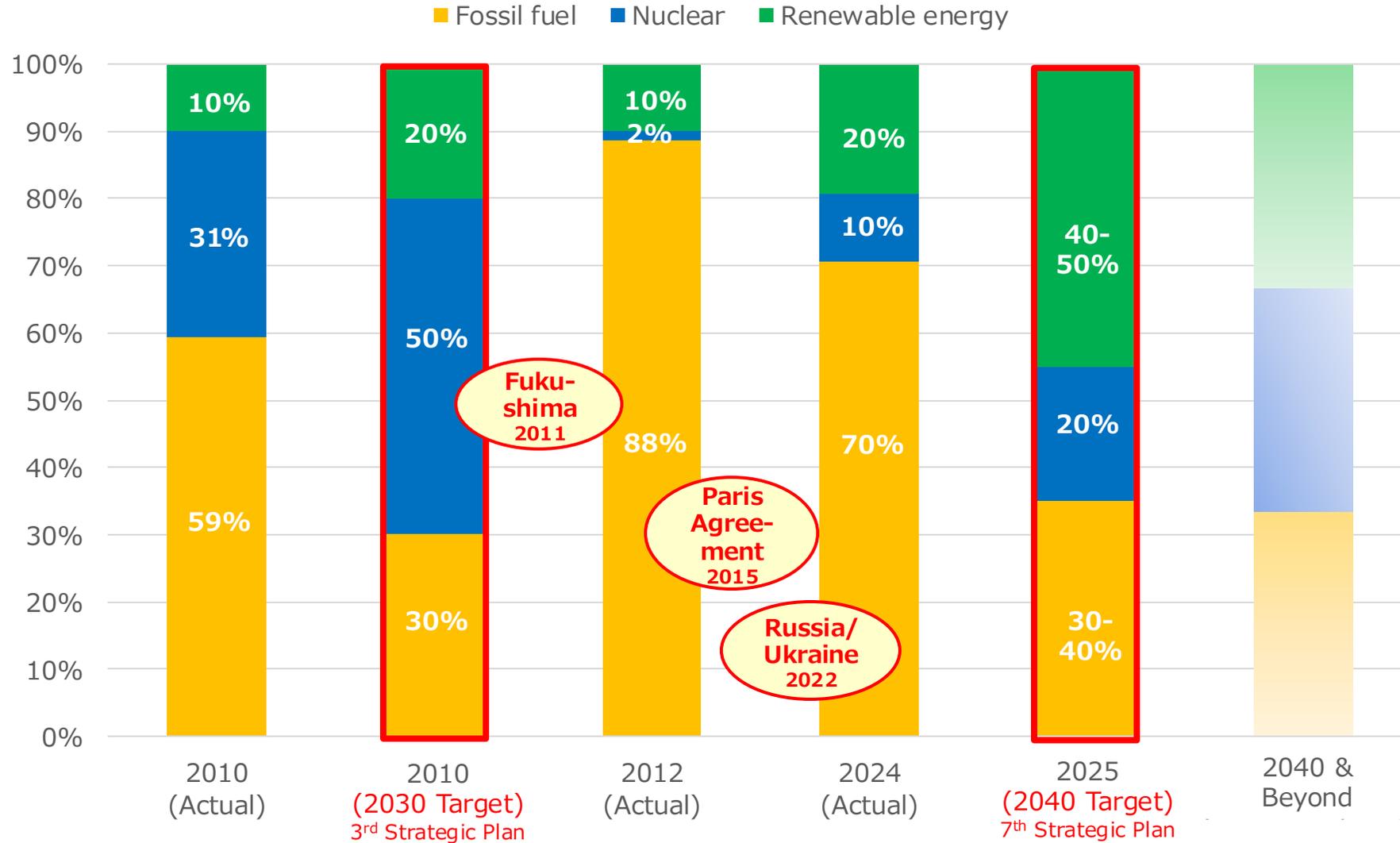
廃炉  
24基

(電気事業法に基づく廃止日)



# Japan's Strategic Energy Plan & Actual Records

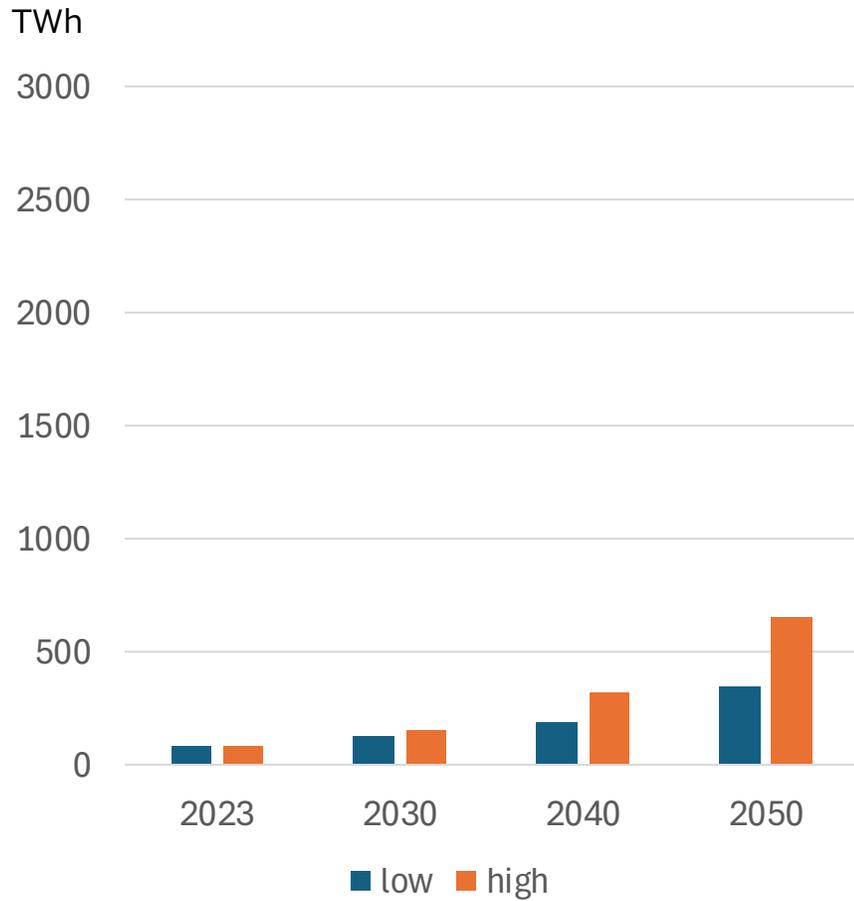
## Power Energy Mix



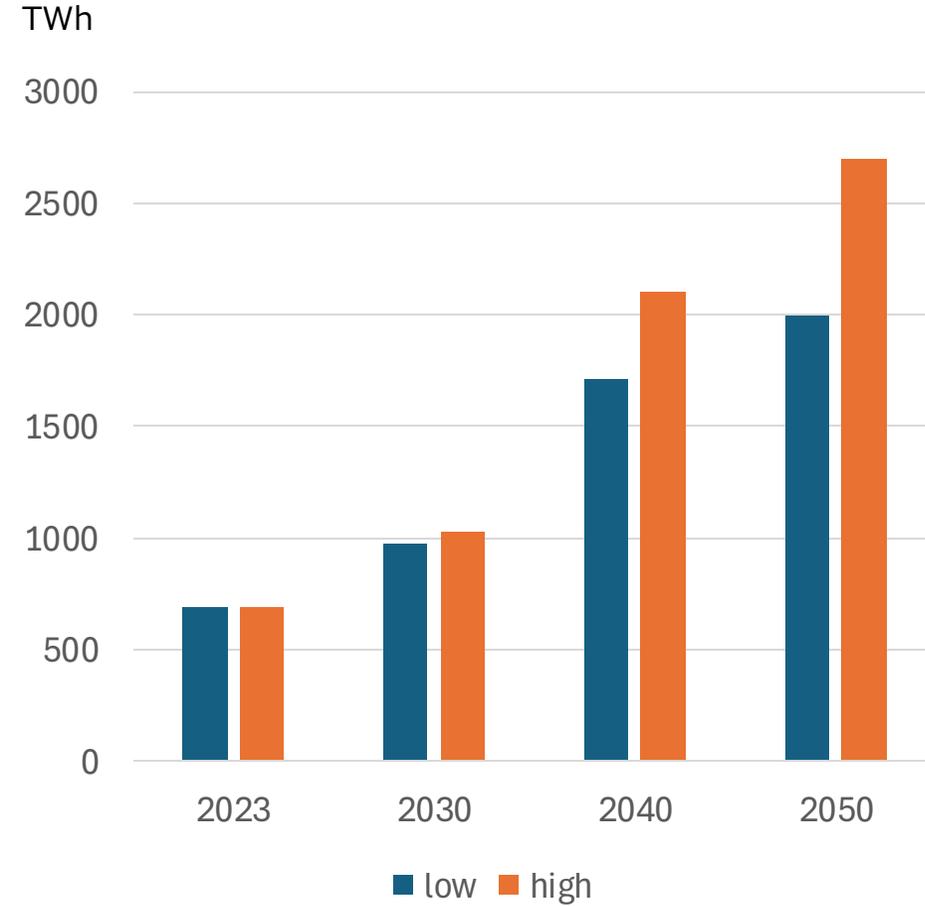
# Nuclear Power in Asia (Outlook)



### Southern Asia



### Central & Eastern Asia



(Source : INTERNATIONAL ATOMIC ENERGY AGENCY, Nuclear Power Reactors in the World , IAEA, Vienna (2025)  
<https://doi.org/10.61092/iaea.1g28-w3uk>)

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# Future LNG Supply – Strategic Questions

1. Will US/Qatar dominance reach 70% by 2040?
2. Will Australian/SE Asian LNG supply decline?
3. Will Alaska deliver LNG?
4. Will Russia return to the market or fade away?
5. Can Canada step forward?

# LNG Canada



(26<sup>th</sup> Sep 2025)



**10 LNG CARGOES ACHIEVED**

(as of 2<sup>nd</sup> Sep 2025)

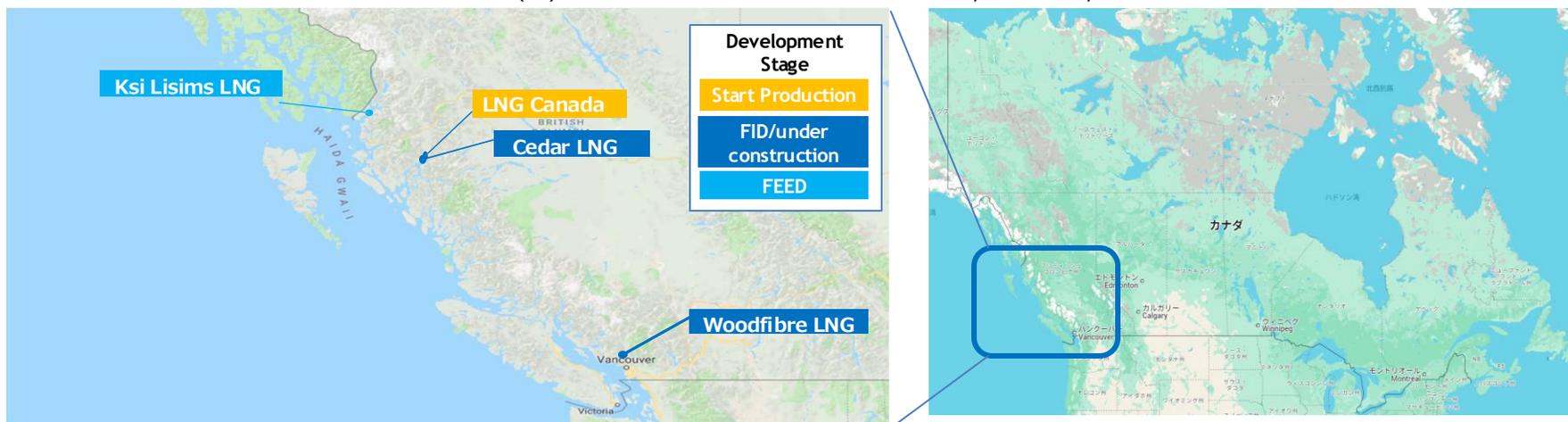
**LNGCANADA**

# LNG Projects in West Canada

Project Name	Partners	Development stage	FID	Start of production	Production capacity (mtpa)	Contractor
LNG Canada	Shell 40% Petronas 25% Petro China 15% Mitsubishi 15% KOGAS 5%	Start Production [Phase 2 : under FEED*1]	Oct 2018 [TBA]	Jun 2025 [TBA]	14 [14]	[EPC] JGC/Fluor(JFJV)
Cedar LNG	Haisla FN 50.1% Pembina 49.9%	Under Construction	June 2024	2028	3.2	[FEED/EPC] Black & Veatch and Samsung Heavy Industries
Woodfibre LNG	Pacific Energy 70% Enbridge 30%	Under Construction	2022 (NTP*2)	2025	2.1	[Dual FEED] JGC, KBR [Pre-NTP] KBR [EPC] McDermott
Ksi Lisims LNG	Western LNG Rockies LNG Nisga'a Nation	FEED	2024	early 2030s	12	[FEED] Black & Veatch and Samsung Heavy Industries

(\*1) Phase2 : under FEED process by JFJV (before EPC award).

(\*2) NTP: Notice to Proceed. FID was not officially declared by Woodfibre.



**Thank you.**