



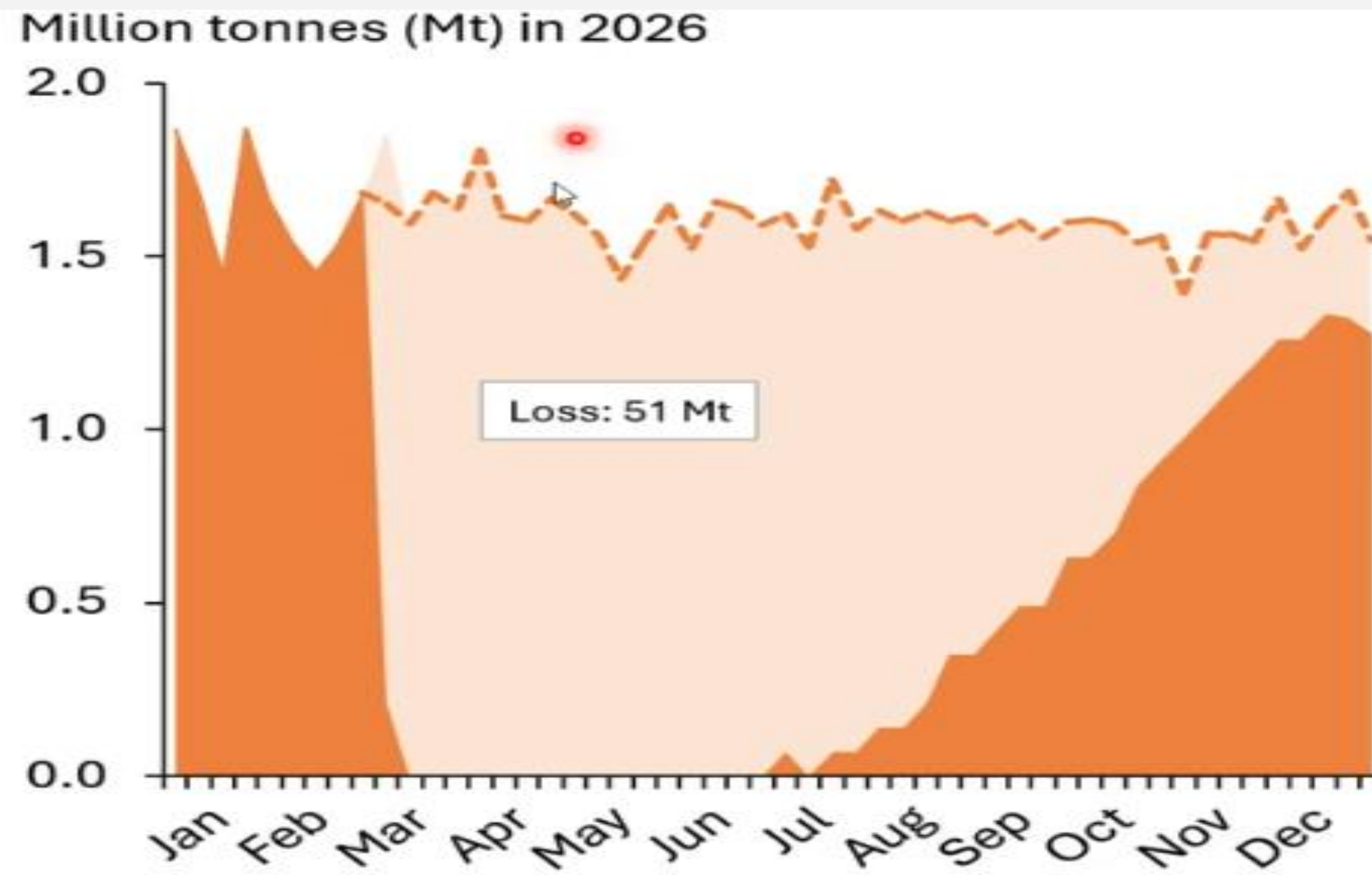
Weathering the Energy Storm: A Whole-of-Society Resilience Action Plan

Dr. Chia-Wei Chao

Research Director, Taiwan Climate Action Network

2026/6/25 @ The Dual Climate and Energy Emergency

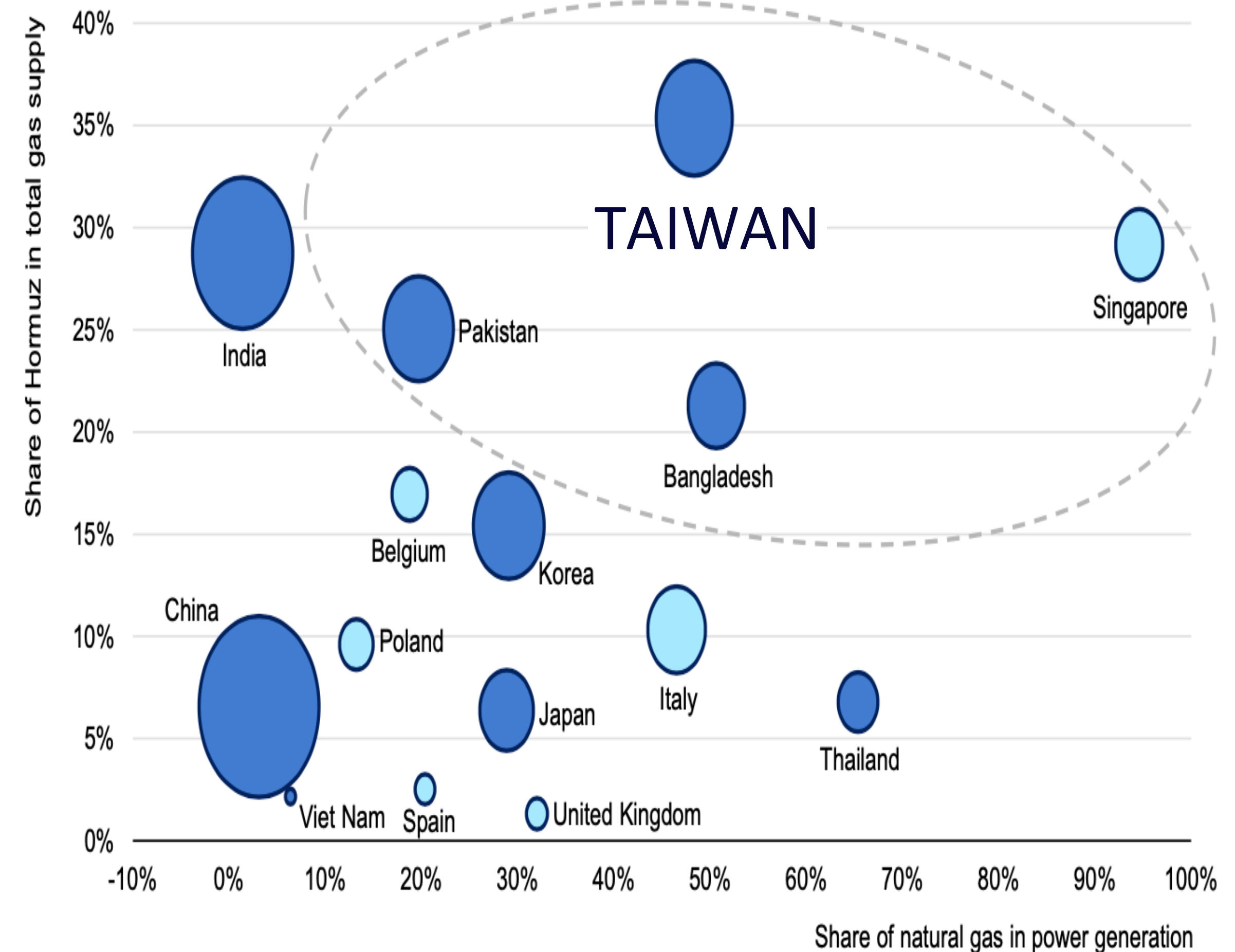
Taiwan on the Frontline of the Most Severe Energy Crisis



Asia Spot LNG: \$20/MMBtu avg 2026

- Recovery begins mid-June
- US quick exit, Iran retains leverage over the strait
- Flows partially and unevenly
- Insurance won't normalize until underwriters have confidence
- Geopolitical risk premium remains high

RystadEnergy, 2026

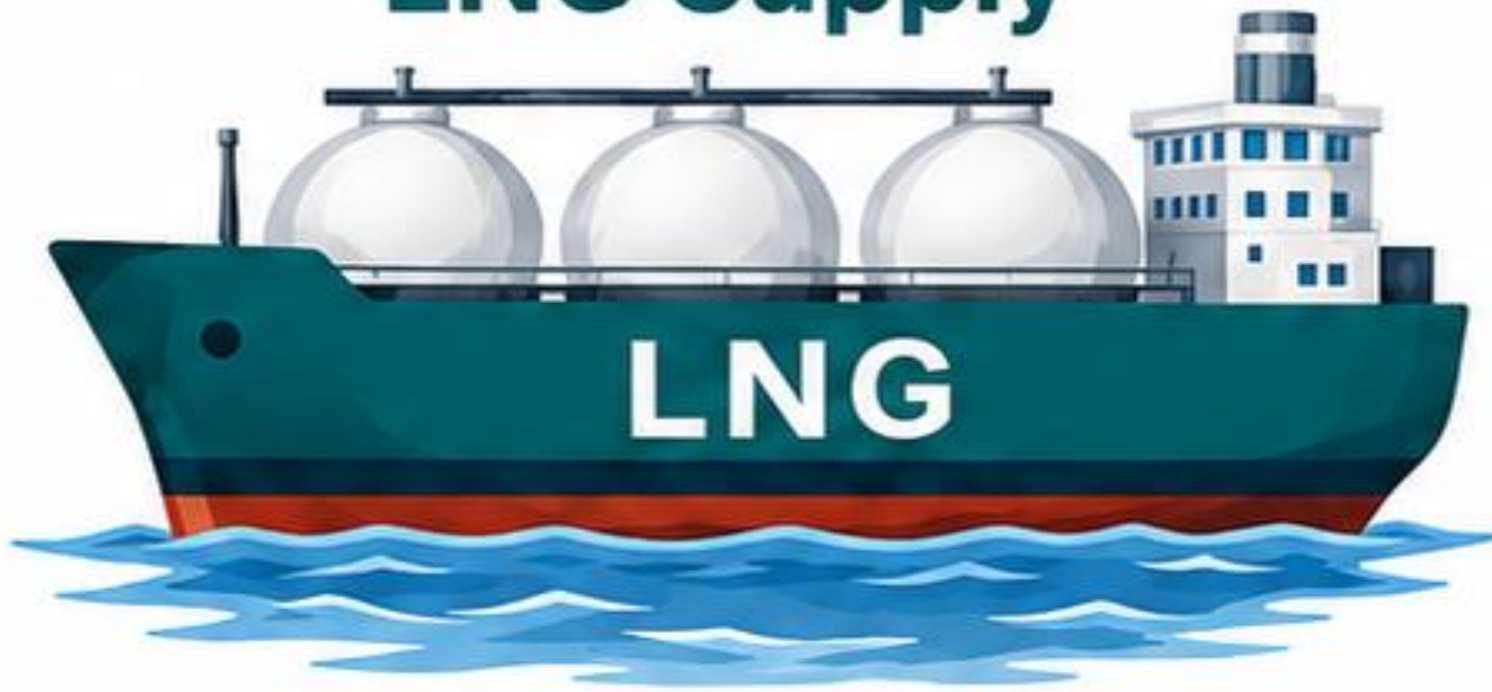


IEA, 2026

Taiwan's 3 Responses to the Energy Crisis

Short-term supply stability, but rising downstream risks.

1. Secure Alternative LNG Supply



- CPC used “advance rescheduling, intra-Asia diversions, and spot purchases” to secure replacement cargoes.
- In March, Taiwan bought a 70,000-ton LNG cargo from Equatorial Guinea at more than **2×** the usual price.
- In April, a 75,000-ton LNG cargo from Texas, originally bound for the Netherlands, was redirected to Taiwan.
- Government says LNG supply was secure through May, June scheduling was nearly complete, and July cargoes were being arranged.

2. Subsidize Oil and Power Prices



- Global crude oil prices roughly doubled during the crisis.
- Taiwan's domestic fuel price increase was limited to about

20%

- At the late-March electricity tariff review, power prices were frozen.

3. Restart the Mailiao Coal Plant



- The Ministry of Economic Affairs and Taipower referenced Japan and South Korea's looser coal plant rules.
- Starting in May, Taiwan arranged short-term procurement from Mailiao Power Plant Units 1 and 3.
- Both units still held operating permits and electricity business licenses.

Not a Good Case for Energy Resilience(1/2)



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Asia LNG scramble pulls cargoes from Europe; one US shipment switches destination to China

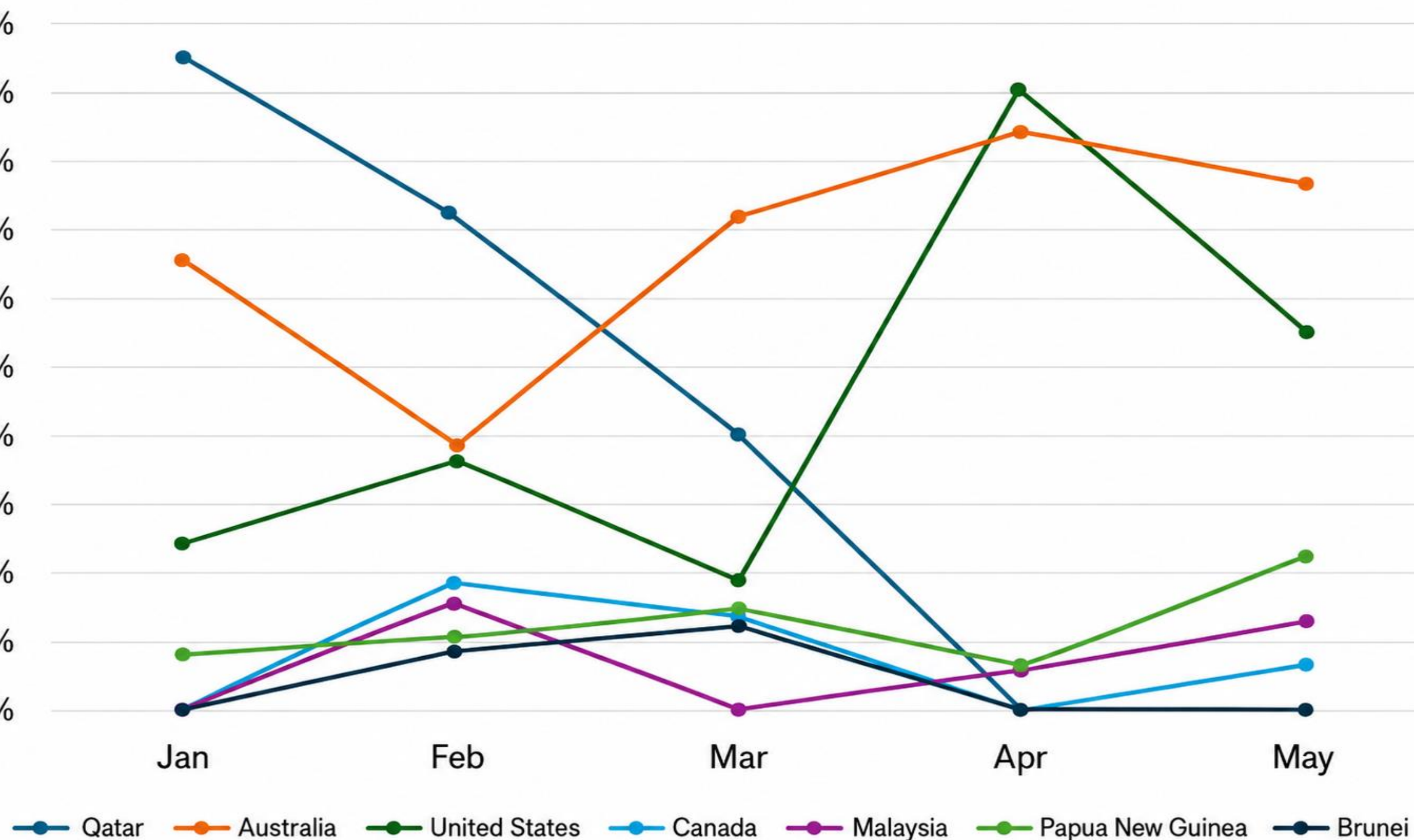
Apart from the UMM Ghuwailina, the Elisa Ardea which loaded at Freeport LNG in the U.S. state of Texas was set for the Netherlands before diverting to Taiwan.

Global Renewable Alliance : Global Energy Crisis Policy Monitor

2026						
Taiwan	High Exposure: reliant on gulf region LNG and Oil	31/03/26	RE	Announcement	Prepared Round 3.3 offshore wind auction with about 3.6 GW on offer	Ongoing conflict urged the Government to ease procedure for the incoming offshore wind auction.

Not a Good Case for Energy Resilience(2/2)

Changes in LNG Import Shares by Country, Jan–May 2026



For the past 100 days :

- Taiwan's LNG import volume increased by 5.9%.
- average price per unit increase of nearly 30%

3 Major Costs of Taiwan's Response

Supply stability comes with financial, climate, and perception costs.

1. Massive Fossil Fuel Subsidies



- Power-sector gas price: **NT\$20.5** per m³.
- Baseline used in the electricity tariff review: **NT\$13.5** per m³.
- If gas prices stay at the May level for the whole year:
 - Taipower and IPP gas costs rise by about **NT\$190 billion**.
 - Generation and procurement cost rises by about **NT\$0.8 per kWh**.
 - The required average electricity tariff rises from NT\$3.85/kWh to about **NT\$4.6/kWh**.
- If tariffs remain frozen, Taipower's additional losses exceed **NT\$180 billion** this year.

2. Decarbonization Delayed



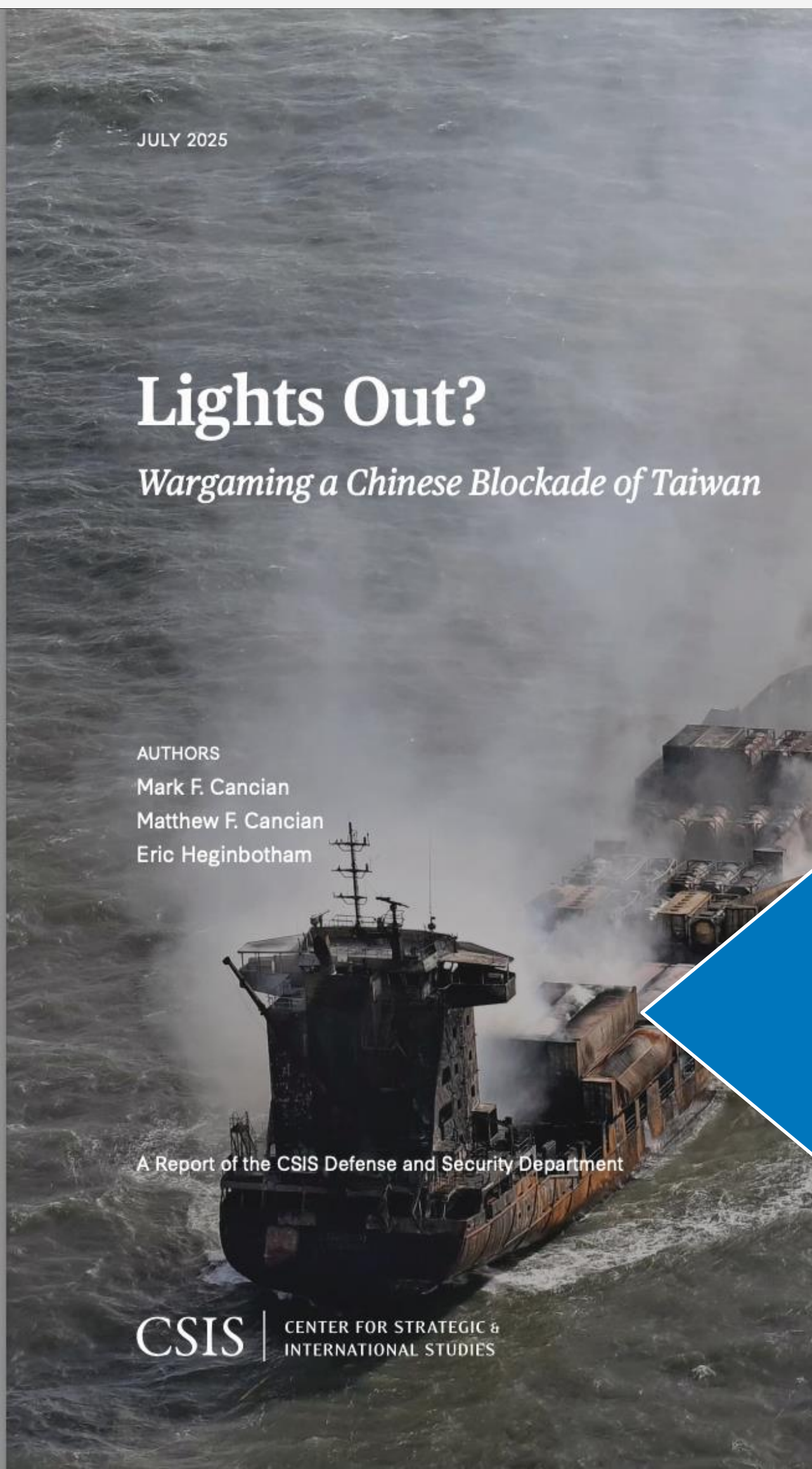
- Taiwan originally aimed to cut coal's share of generation from **35% → 30%** last year to
- But with gas supply tight and expensive, coal's share may stay around **35%**.
- Additional emissions would exceed **7 million tonnes CO₂**.
- That equals about **3%** of Taiwan's total emissions.

3. The Nuclear Myth Deepens



- Academia Sinica survey research by Tsung-Hung Lin's team found that power-shortage anxiety is shaped by political stance and perceptions of geopolitical threat.
- People with stronger power-shortage anxiety tend to support nuclear power and oppose renewables.
- In late March, President Lai Ching-te raised the need to restart Nuclear No. 2 and No. 3.
- This may reinforce the public myth that only nuclear power can ensure energy security.

Common Myths of Taiwan's Energy Resilience



JULY 2025

Lights Out?

Wargaming a Chinese Blockade of Taiwan

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A Report of the CSIS Defense and Security Department

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Why the Island Should Shore Up Its Energy Security and Resurrect Its Nuclear Reactors

JIM ELLIS AND STEVEN CHU

July 30, 2025

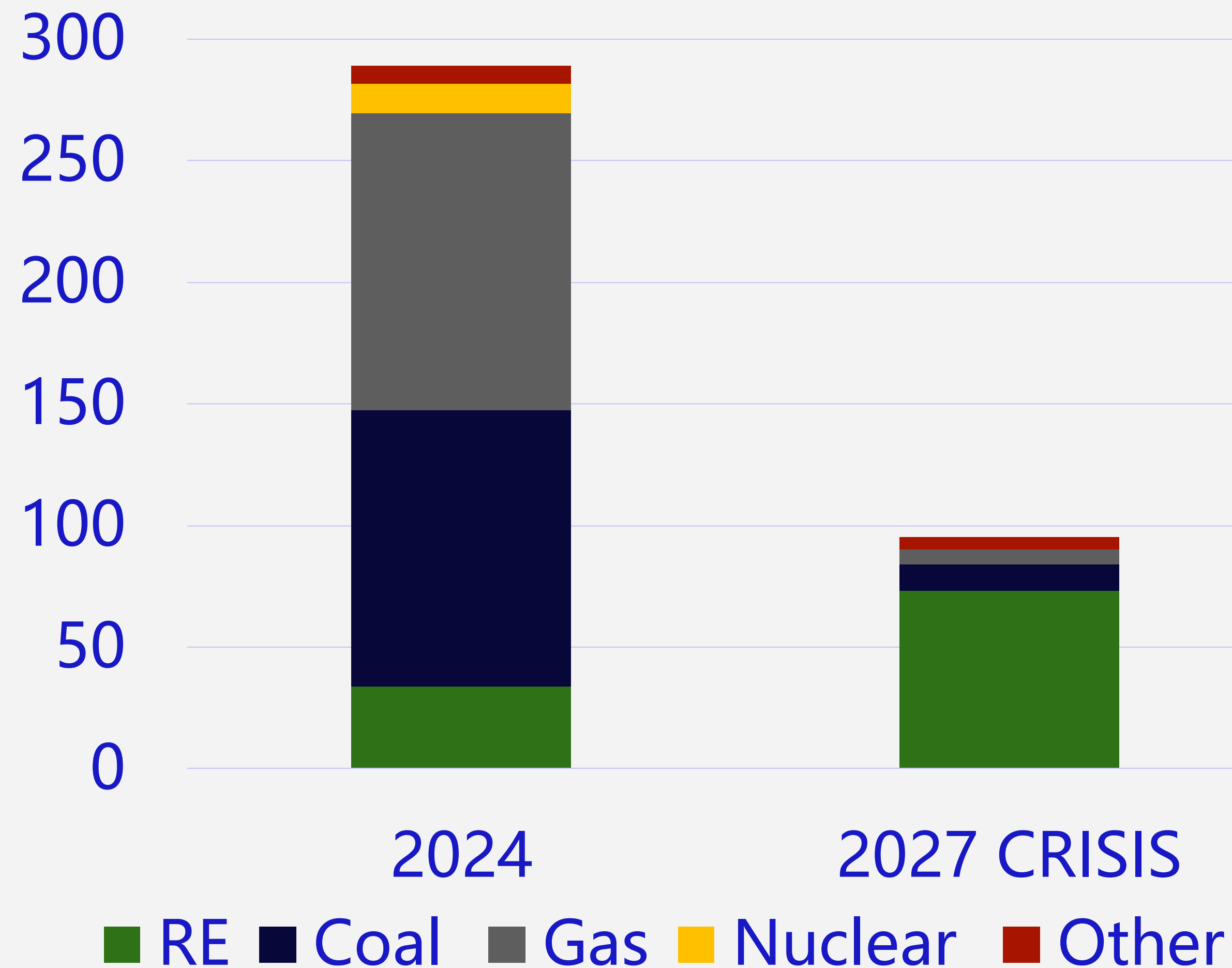
Nuclear is the
Saviour

US LNG as
Steroid

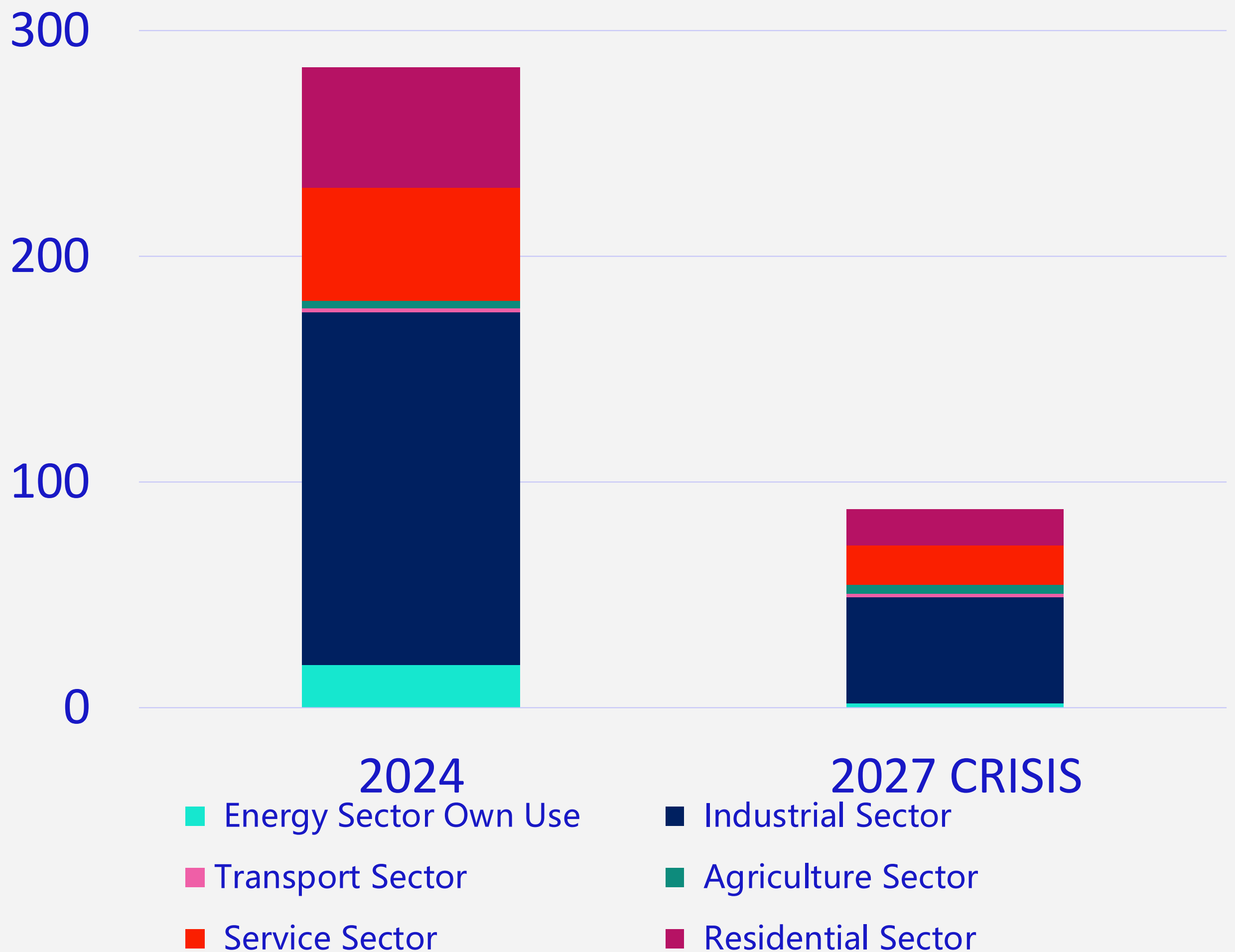


How long Taiwan can Keep Lights On ?

Electricity Supply (TWh)

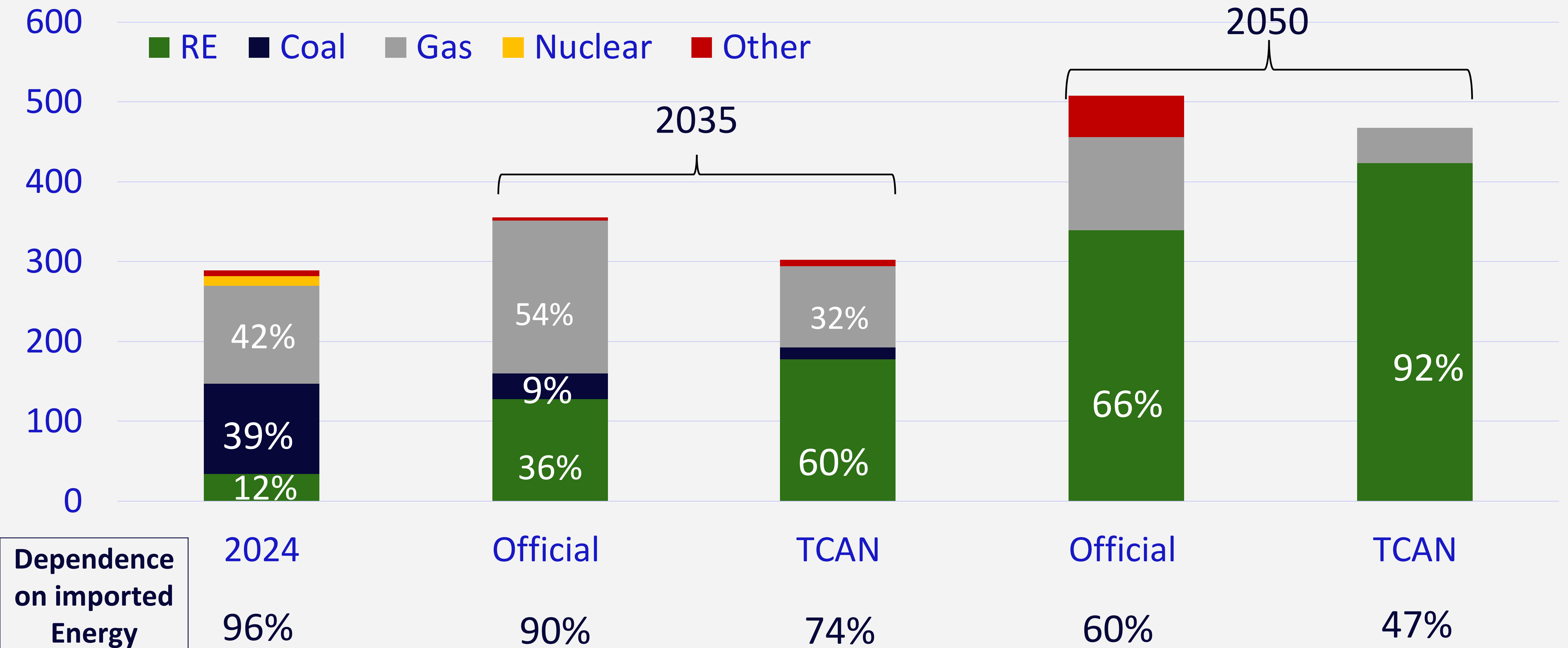


Electricity Demand (TWh)

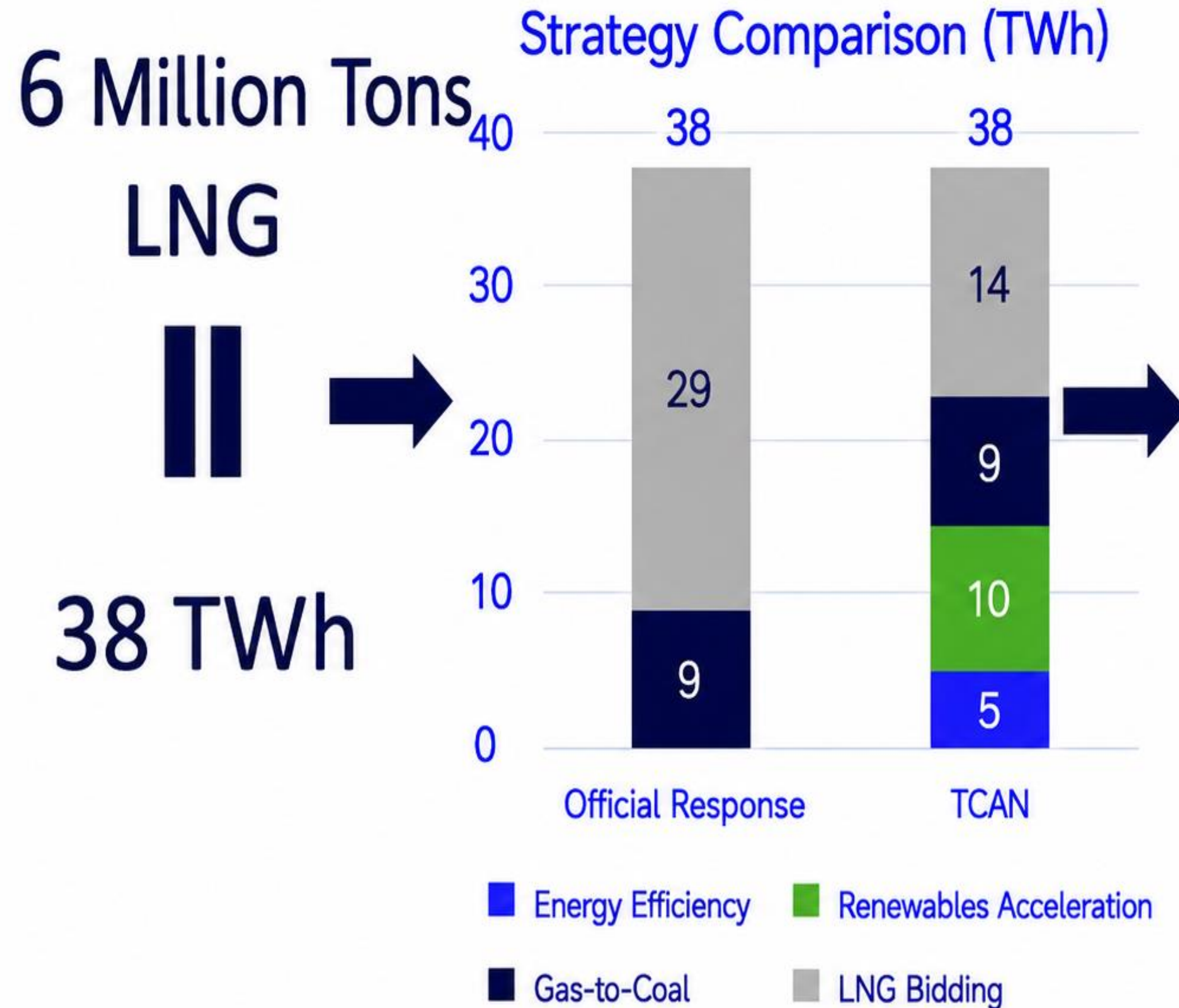


Supply Resilience

Power System in Transition (TWh)



Turning Crisis into Resilience



Energy Resilience Review

"Energy Transition is New National Security" TTX

Plug-in Solar Campaign