

WORLD ENERGY MARKETS OBSERVATORY

South East Asia ID Card

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Region Description

Quick introduction



Region: Southeast Asia
(Hong Kong, Singapore, Malaysia, Philippines, Vietnam, and Taiwan)

Population: 276,322,029

GDP: USD \$2,267.51 billion

Electricity

Total electricity generation (2020): **864 TWh**

Access to electricity (average % of population) (2019): **99%**

Energy

Regulatory model:

Hong Kong and Malaysia: Regulated market, Singapore, Philippines and Vietnam: Partly deregulated
Taiwan: Subsidized, quasi-monopolized

Environment

Energy-related CO₂ emissions:

Hong Kong: 68.2 Mt CO₂
Singapore: 211 Mt CO₂
Malaysia: 256 Mt CO₂
Vietnam: 283.9 Mt CO₂
Taiwan: 275.9 Mt CO₂
Philippines: 127.4 Mt CO₂

Renewable Energy

Renewable energy consumption (average): **0.074 EJ**

Energy Players

Hong Kong: CLP Group (USD \$10,225 million), The Hong Kong and China Gas Company (USD \$5,258 million), Hong Kong Electric Company (USD \$1,334 million)

Singapore: Singapore **Power (USD \$2,971.8 million)**

Malaysia: Tenaga Nasional Berhad (TNB) **(USD \$10,569.2 million)**

Philippines: Manilla Electric **(USD \$5,362.9 million)**

Recent Developments

- **Singapore:** Singapore plans to increase its renewable power capacity four-fold by 2030
- **Malaysia:** Royal Dutch Shell will power its Timi gas development project off the coast of Sarawak with a solar and wind hybrid renewable power system
- **Vietnam:** Vietnam has committed to investing more than \$128 billion to achieve bullish targets in its latest power development plan, which seeks to expand gas and renewable generation capacity over the next decade
- **Taiwan:** Total enters a 640 MW offshore wind project under construction in Taiwan
- **Philippines:** PH Renewables, Inc. has begun construction on a 115 MW solar park in Rizal, Luzon

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