

Thailand Wind Development Status

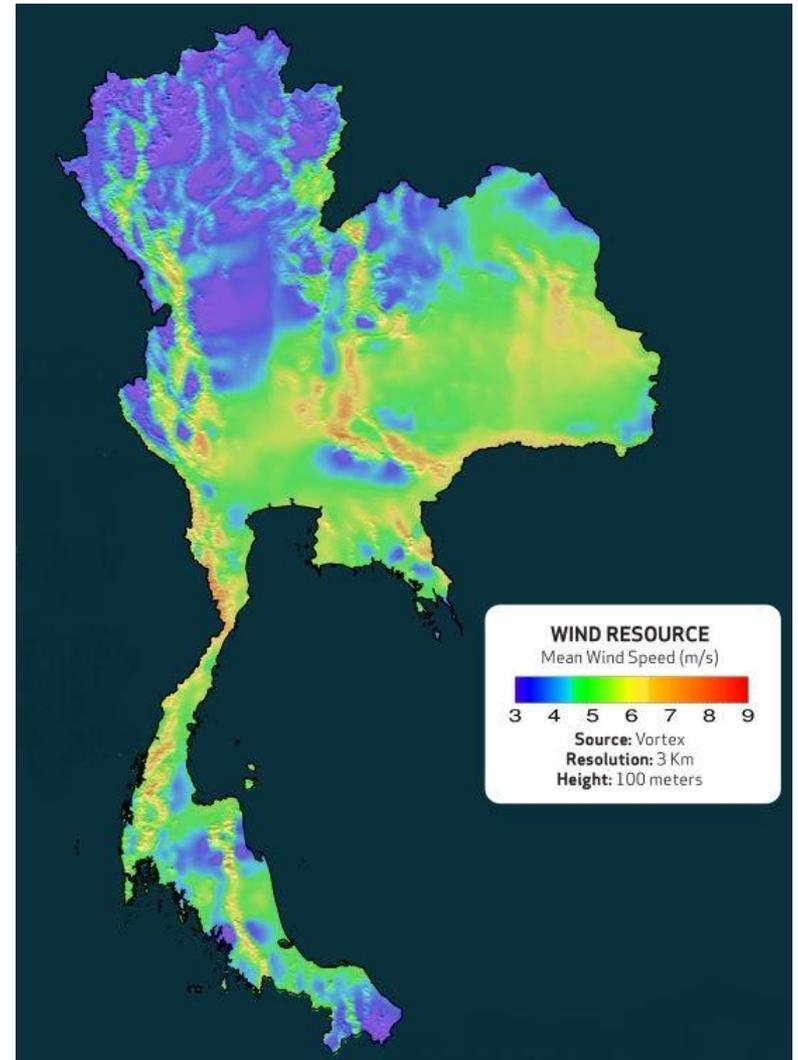
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Wind resource map of the country



Source: Vortex

Wind Energy Roadmap of Thailand

Item	Quantity
Total installed wind power	237MW
Total wind project in pipeline	930MW
Country Renewable Energy Target	13,976MW by 2021 19,778MW by 2036
Wind Energy Target	1,800MW by 2021 3,002MW by 2036
Total installed capacity of generation	40,555MW (as of April 2016)

Item	Quantity
Wind energy tariff	17 USc/kWh
Retail power tariff	
- Peak	10 USc/kWh
- Off-peak	3.3 USc/kWh
Wholesale power tariff	
- Peak	7.3 USc/kWh
- Off-peak	3.3 USc/kWh
Other incentives:	
- Import tariff	Waived
- PPA period	20 years

Wind Project Status in Thailand

Wind Projects in Thailand	Size, MW	Developer Name	Comments
In pipeline:	927	EA, WEH, EGCO, Gunkul and NW	More than 900MW pipeline are in Central region
Under construction: Central region	317	WEH, Gunkul and EGCO	Expected COD during 2017
Southern region	126	EA	Expected COD 16Q4-17Q2
Commissioned projects: Central region	225	WEH, Gunkul and EGCO	207MW WEH first commissioned in 2012, followed by 7.5MW EGCO, and 10MW WED
Southern region	10	IFEC	10MW IFEC

What can be done to accelerate wind development?

- PPA Incentives
- Modern technology and cost-benefits impact
- Wind resource assessment study
- Competent in-country construction contractor and high specialist skills consultancy
- Community buy-in

New developments in terms of policy, tariff and other enablers

- Introduces FiT competitive bidding scheme
- New IEC 61400 standard drives project financing scheme
- New Alternative Energy Development Plan (AEDP) is more focusing on wind energy and other renewables comparing to the previous plan
- Newly regulatory framework (Safety clearance) issued in 2015