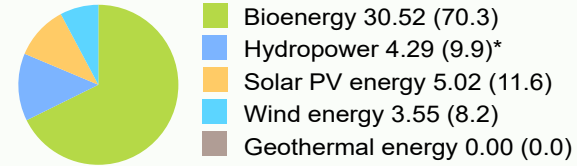


# Thailand • Renewable energy • Geothermal, Hydrogen, Solar, Wind

## Gross electricity generation from renewable sources by 2021, TWh (%)



**Total: 43.37 (100)**

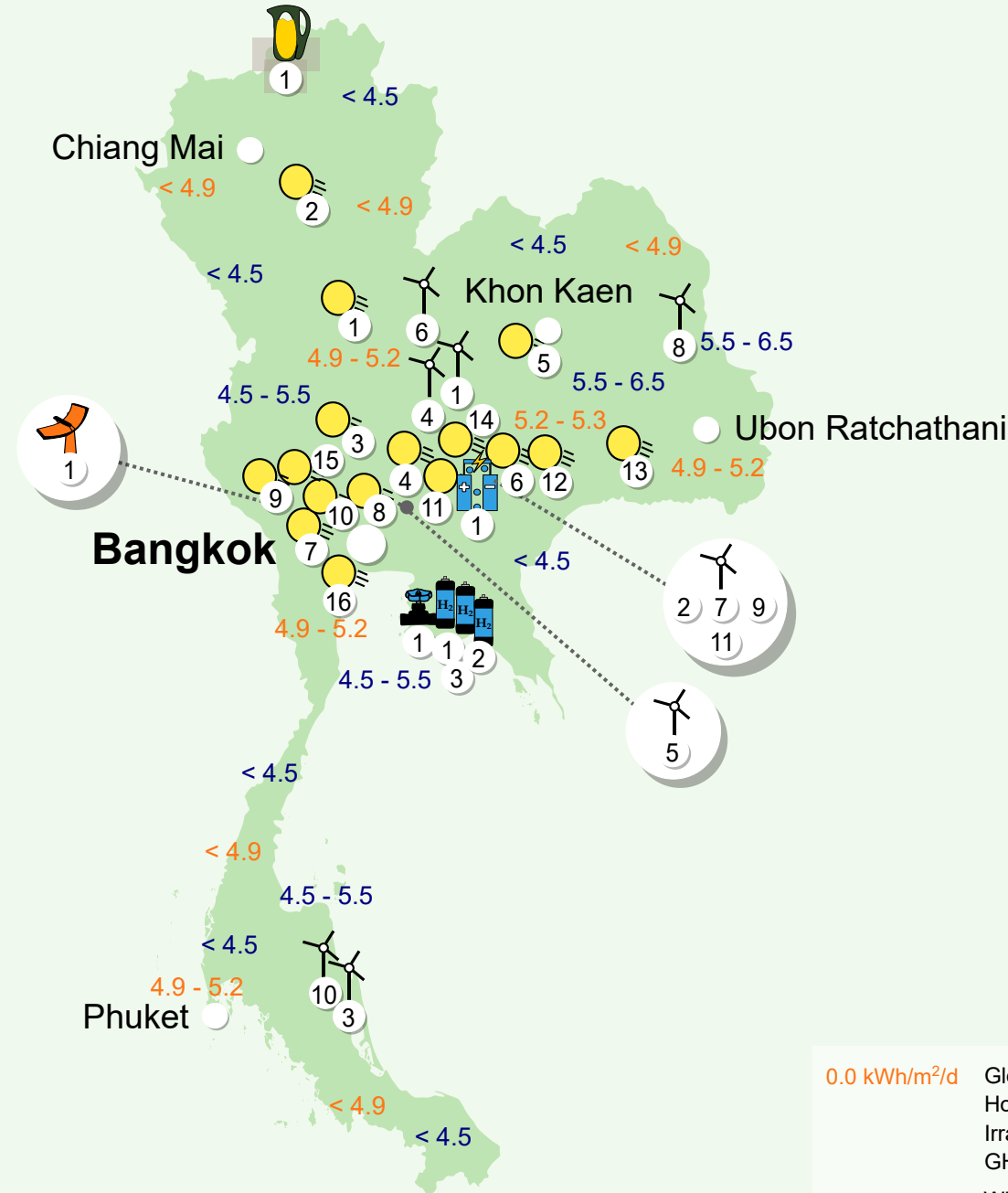
Source: Renewable Energy Statistics 2023 © IRENA  
\* excluding pumped storage

## Key solar PV power plants over 20.0 MWeI, MWeI:

- 1 Phitsanulok, 134.0
- 2 Lampang, 128.4
- 3 Nakhon Sawan, 126.1
- 4 Lop Buri, 83.5
- 5 Khon Kaen, 73.3
- 6 Korat, 60.4
- 7 Yanhee, 59.7
- 8 Bangchak, 44.0
- 9 Kanchanaburi, 31.5
- 10 Sena (Nakhon Pathom), 24.0
- 11 Sena (Saraburi), 22.5
- 12 Buri Ram (Bureerum), 22.4
- 13 Surin, 22.4
- 14 Nakhon Phanom, 21.0
- 15 Suphan Buri, 21.0
- 16 Wattanachai Safety Glass Site Solar PV Park, 70.0

## Key wind farms over 10 MW, MW:

- 1 Hanuman, 260.0
- 2 West Huay Bong 2-3, 207.0
- 3 Had Kang Han, 126.0
- 4 Chaiyaphum, 80.0
- 5 Sarahnlom, 67.5
- 6 Khao Kor (Petchaboon), 60.0
- 7 Wayu, 50.0
- 8 Rom Klao, 44.8
- 9 Lam Ta Khong, 26.5
- 10 Hua Sai, 12.7
- 11 Subplu 1-2, 10.0



## CSP Parabolic type plants over 1 MW, MW:

- 1 Thai Solar Energy-1 Project, 5.0

## Binary type geothermal power plant, kWe:

- 1 Fang, 300

## Key Compressed Hydrogen Plants:

- 1 Rayong, Air Products
- 2 Rayong, Air Liquide
- 3 Rayong, Linde

## Hydrogen pipelines, km:

- 1 Map Ta Phut, Air Products, 13

## List of some largest electrolysis plants, power-to-gas, energy storage and gas into the natural gas grid projects, kW:

- 1 Lam Ta Khong Wind-Hydrogen Hybrid Project, 300

## High activity areas:

The most common solar GHI intensity is 5.2 - 5.3 kWh/m<sup>2</sup> per day, distributed in the central part of country, between North, Central and North-East regions.

The most common wind speed is 5.5 - 6.5 m/s at 50 m are distributed in the eastern and central parts of country, between Central and North-East regions.

Source: Energydata.info

0.0 kWh/m<sup>2</sup>/d Global Horizontal Irradiation (GHI)  
0.0 m/s Wind speed