

How much wind power does Heilongjiang province have?

At present, Heilongjiang Province is rich in wind resources, with a potential development capacity of about 23,000,000 kW and an installed capacity of about 54,000,000 kW. By the end of 2019, wind power accounted for 19.07% of the total installed power supply in Heilongjiang Province, as shown in Figure 1.

How much solar energy does Heilongjiang province have?

Heilongjiang Province is rich in solar energy resources, with an average of 2,400-2,800 h of sunshine per year. Also, the installed photovoltaic (PV) capacity in Heilongjiang Province developed rapidly and increased to 201 million kW by 2019.

Does Heilongjiang have hydroelectric power?

Heilongjiang Province demonstrates a high degree of hydroelectric development, with an installed hydroelectric capacity of 1,089,700 kW by the end of 2019, accounting for 3.4% of all installed power sources. By the end of 2020, 1,500,000 kW of biomass power plants and wind power accounts for 28.6% of the total installed capacity: see Figure 1.

How profitable are wind and solar PV projects in China?

The LCOEs of 1552 onshore wind and 414 solar PV projects in China are calculated. The profitability of each project is evaluated with varying levels of FIT. Carbon revenues can compensate for the revenue losses caused by declining FIT. Critical carbon prices making wind and solar PV projects profitable are obtained.

Does the Heilongjiang power grid have a high heating capacity?

In the Heilongjiang power grid (HPG), a typical representative energy system in the Northeastern China, the proportion of heating units is high, and the peak shaving capacity in winter is extremely limited (Richter et al., 2019). Besides, most of HPG's cogeneration units are not gas-fired units and thus demonstrate limited flexibility.

Where is Heilongjiang located?

Heilongjiang is located in Northeast China, with a 32 million population and a power supply area of about 4.7 × 10⁵ km². The overall installed generation capacity in Heilongjiang Province is redundant, and coal power units are mainly for heat supply with low utilization efficiency and severe surplus.

The project generates 107,310 MWh electricity and supplies enough clean energy to power 5,285 households. The wind power project consists of 4 turbines each with 1 MW nameplate ...

Current Situation Analysis and Expectation on Wind Power in Heilongjiang Province of China Yan LI1, Fang FENG2
1Engineering College, Northeast Agricultural University, Harbin, China ...

Heilongjiang wind power generation price

Notice on the first batch of 2019 of non-subsidized wind and PV power generation projects. ... fixed price purchase and sale contract with the grid-parity wind or PV power generation project owner with a price in accordance ...

Sinovel Wind Group was selected as the turbine supplier for the wind power project. The company provided 33 units of SL1500/77 turbines, each with 1.5MW nameplate capacity. For more ...

The thirteen projects involve Hebei, Heilongjiang, Gansu, Ningxia, Xinjiang, and other provinces, with a total capacity of 707,000 kW. ... (National Energy Administration), the ...

Heilongjiang Huanan HengdaishanWest Wind Farm is a 45.05MW onshore wind power project. It is located in Heilongjiang, China. According to GlobalData, who tracks and profiles over ...

Heilongjiang Hailin Hufengling Wind Farm is a 49.5MW onshore wind power project. It is located in Heilongjiang, China. According to GlobalData, who tracks and profiles over 170,000 power ...

Wudalianchi Heilongjiang Wind Power Plant is a 1,200MW onshore wind power project. It is planned in Heilongjiang, China. According to GlobalData, who tracks and profiles over 170,000 ...

Web: <https://nowoczesna-promocja.edu.pl>

