

Do state-owned enterprises contribute to China's Wind Power Development?

Answering the research question posed in this study requires focusing on China's state-owned enterprises - namely central government-run state-owned enterprises (CSOEs). Pillars of China's so-called "state capitalist" economy, they have also played an indispensable role in the country's wind power development.

What is wind power generation?

Wind power generation is the process of converting clean and renewable wind energy into electrical energy.

How many wind power companies are there in China?

The nine largest power companies in China are the "Big Five" and "Small Four" enterprises, as they are popularly known; all of them are CSOEs. 9 And eight of them ranked in China's top 10 wind power developers in 2013, accounting for 71% of the market share (Fig. 4).

Who approves wind power projects?

Wind power projects must be approved by the government. The administrative authority for wind power development is located in the NEA, which guides and monitors wind power development. Specifically, it sets Five-Year-Plans (FYPs) for general installation targets and makes supporting policies.

What is the goal of wind power development in China?

The objective of wind power development in China is to reduce pollution emissions and improve the energy consumption structure to achieve the goal of sustainable development. However, the existing policy system is still flawed.

Why is China the largest producer of wind power in the world?

Abstract The scale of wind power generation in China is increasing, and China has become the largest producer of wind power in the world. This is mainly due to government policy support, providing ...

Third, by treating offshore wind power development as a green societal mission, the state is thus able to reunite its developmentalist drive for growth with the rising environmentalist demand for ...

Zhu et al (2022) examined the role of central state-owned enterprises (CSOEs) in driving China's wind power development and how they are embedded in China's institutional arrangements. ...

We collected wind power policies in China in the past 20 years, used a latent Dirichlet allocation theme model to find themes in the process of wind power policy continuation, and then constructed the policy modeling ...

Firstly, the wind power industry in China is heavily controlled by state-owned enterprise, influenced by

government policy decision, and characterized as an incomplete electricity market. Therefore, the development ...

Wind curtailment negatively affects the capacity factor, or the utilization hours of wind farms, decreasing the amount of wind-generated electricity. 5 From 2011-2016, the total ...

Three of India's biggest central state-owned enterprises--Coal India Limited (CIL), NTPC, and Indian Railways--can help the country reach its climate goals while seizing a share of the clean energy market and mitigating ...

When the "leader" electric enterprise chooses not to build the smart grid strategy, its revenue is composed of revenue $V T$ minus the cost $C T$ and emission reduction costs $r P C$, r is the ...

Huadian Group (also known as China Huadian) is one of the five largest state-owned power-generation enterprises in China, supplying about 10% of the country's electricity. The Chinese company already operates the ...

Nowadays, with the concern of environmental issues, renewable energy generation has received great attention. For example, the wind power installed capacity in China has reached 26GW in ...

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