

Central government policy on wind power generation

What are the different types of wind power policies in China?

Local governments in China have implemented several forms of wind power policies, such as environmental-side policies (ESP), supply-side policies (SSP), and demand-side policies (DSP), to improve the use and development of renewable energy.

How does China promote wind power development?

Meanwhile, China's government issued various policies to promote wind power development, such as the Ride Wind Program, the wind power concession policy. The main objective of the Ride Wind Program is to survey wind resources, plan wind farms, and expand the financial channels for wind power development.

Does China's Wind power industry have a lack of demand-based policies?

Liao (2016) compared different policies issued by the central government during the 20 years from 1995 to 2014 and found that China's wind power industry has fewer demand-based policies and a dearth of service outsourcing policies. The lack of demand policies is primarily due to China's monopolistic power industry which the State Grid dominates.

Do non-price policies promote wind power development?

Hence, non-price policies such as the Renewable Energy Law provided a significant signal of the central government determination to promote wind power development, played a major role in stimulating investors. However, in areas with non-rich wind resources, the return guarantee on investment was important.

Does incentive policy influence China's Wind Power Development?

Li and Ren (2017) analyzed China's wind power development driven by incentive policies based on system dynamics model, and evaluated the variation ranges of simulation results of different factor settings. Li et al. (2018) evaluated the Chinese wind power policy and policy implementation using fitting method, game theory, and empirical analysis.

What role does policy play in the development of wind power?

It is generally recognized that policy plays a vital role in the development of wind power generation in the world (Saidur, et al. 2010; Meyer 2010). In China, wind power has become an important part of power supply system and an important component of national energy strategy for tackling energy supply and environment challenge.

Central Government is committed to policies that ensure financing of viable hydro projects. ... New power generation capacity could come up based on indigenous gas findings, which can ...

In 2002, the central government implemented a set of electricity sector reforms aimed at de-centralizing the

electricity market. As part of these reforms, the generation side of the sector...

In particular, the current wind power policy is characterized by an imbalance between supply and demand, a high level of government intervention, insufficient incentives, and a lack of long-term policy guidance; ...

Both the Central government and the state governments have different spheres of influence (Table ES1) affecting the power sector. Hence, both Central and state policies need to be ...

China continues to add wind and solar power capacity, but below their peak rates: for example, wind installations in 2019 were 26 gigawatts (GW), versus a peak installation of 33 GW in 2015, and photovoltaic (PV) ...

The National Wind-Solar Hybrid Policy aims to provide a framework for promotion of large grid connected wind-solar PV hybrid system for optimal and efficient utilization of transmission ...

Nevertheless, the extant literature on wind and energy policies mainly focuses on the central government's activities and policies [11,20]; fewer studies have been conducted ...

Given that the central government of China has failed to pass national wind power grid legislation, provincial governments need to take policy actions to reduce the barriers for newly installed wind capacity to get ...

As the biggest renewable energy installation and generation country globally, it is important to deeply understand China's wind power production determinants and draw implications for energy policy. This paper ...



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