A-Core Container

Dual carbon goals new energy storage solar

Overview

What are China's 'Dual carbon' goals?

The "dual carbon" goals delineated by China require a substantial decrease in carbon dioxide emissions per unit of GDP by over 65% from 2005 levels by 2030, and an increase in the share of non-fossil fuel energy consumption to more than 80% by 2060.

What are dual-carbon goals?

In this context, dual-carbon goals have been introduced. These goals aim to achieve “zero growth” in carbon emissions, promote economic and societal transformation and upgrading, mitigate climate change, enhance energy efficiency, and foster both economic prosperity and environmental sustainability 7, 8, 9.

What are China's 'Dual carbon' targets?

In September 2020, at the 75th session of the United Nations General Assembly, China pledged to adopt "dual carbon" targets, which aim to achieve both "carbon peak" and "carbon neutrality" as part of its strategy to mitigate carbon emissions.

Does investment in green innovation and entrepreneurship contribute to a dual-carbon era?

The results indicate that, in the dual-carbon era, investment in green innovation and entrepreneurship plays a significant role. This study enhances the proportion of renewable energy in the market, reduces carbon emissions, and accelerates the transformation of energy demand.

Is local government competition a determinant of Achieving 'dual carbon' objectives?

The Chinese Government recognises local government competition as a critical determinant in achieving the "dual carbon" objectives. In response, our

research incorporates a regulatory variable pertaining to local government competition to delve deeper into this issue.

Why is energy storage important?

Due to the inherent intermittency and variability of new energy sources like solar and wind, energy storage is becoming indispensable for integrating renewables into the grid and ensuring a stable power supply.

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