

National development and reform commission strengthens power grid peak regulation and energy storage





Overview

The guideline, jointly released by four authorities including the NDRC and the National Energy Administration, aims to give full play to NEVs' important role in electrochemical energy storage system, consolidate and expand NEVs development advantages, and support the construction of new energy system and new power system. Can new energy vehicles be integrated with the power grid?

BEIJING, Jan. 4 -- China has released an implementation guideline on strengthening the integration of new energy vehicles (NEVs) with the power grid, according to the National Development and Reform Commission (NDRC).

How will a public sector charging system be improved?

Priority will be given to bidirectional charging for public sector vehicles such as government vehicles, rental vehicles, and public transportation vehicles. Enhance charging and swapping facilities: Intelligent charging facilities will be promoted and existing charging piles will be gradually upgraded.

How will V2G be integrated into electricity demand management?

Strengthen support for and assurance capabilities of grid companies: V2G will be integrated into electricity demand management, and electricity grid operators will be supported in V2G management with new load systems. Besides, grid connection and metering for V2G shall be improved, and grid clearing for V2G merchants shall be optimised.

How can Nev owners benefit from energy storage?

NEV owners can also economically benefit by selling stored electricity back to the grid through charging stations, and the scale of China's electric vehicle fleet may reach several hundred million in the next decade, amplifying the energy storage value. [Read more.](#)

Who is affected by the new power market rules?



The revised rules now encompass a broader range of market participants, including power market operators, grid companies, provincial-level power trading centers, power sales firms, energy storage companies and virtual power plants, with the goal to ensure competition and orderliness in the market.



National development and reform commission strengthens power g



China accelerates reform of renewable power pricing to promote

BEIJING, Feb. 10 -- China is accelerating the market-oriented reform of its renewable power pricing system in a bid to build a new power system and promote the sustainable development ...

SCIO briefing on promoting high-quality development: National

The State Council Information Office invited officials from the National Development and Reform Commission to brief the media on promoting high-quality ...



China's NDRC vows more proactive, effective macro policies in ...

BEIJING, Dec. 13 -- The National Development and Reform Commission (NDRC), China's top economic planner, said on Friday that it will implement more proactive ...



National Development and Reform Commission (NDRC) and National Energy

On December 2, the National Development and Reform Commission and the National Energy Administration issued "Notice on Completing the



Signing of Medium- and ...



[National Development and Reform Commission](#)

...

On July 29, the NDRC issued the "Notice on Further Improving the Time-of-Use Electricity Price Mechanism", requesting to further improve

...



[Sarawak Energy Strengthens Grid Resilience With ...](#)

KUCHING 14 FEBRUARY 2025 With the growing demand for reliable electricity supply, Sarawak Energy has recently commissioned the first utility-scale ...



National Development and Reform Commission and Energy ...

National Development and Reform Commission National Energy Administration on encouraging Renewable Energy Power generation enterprises build or purchase peak regulation capacity ...





[New Energy Storage Technologies Empower Energy ...](#)

Foreword Stepping up efforts to develop new energy storage technologies is critical in driving renewable energy adoption, achieving China's 30/60 carbon goals, and establishing a new ...



NDRC: Significance Progress Has Been Made in "Allowing for ...

On October 12, the National Development and Reform Commission issued the "Notice on Further Deepening the Market-oriented Reform of Coal-fired Power Generation On ...

Energy storage in China: Development progress and business ...

Even though several reviews of energy storage technologies have been published, there are still some gaps that need to be filled, including: a) the development of ...



The action plan for the large-scale construction of new ...

5 ???· In order to implement the Guiding Opinions on Accelerating the Development of New Energy Storage and the Action Plan for Accelerating the ...



Impact of China's market-oriented reform on the energy storage ...

On February 9, China's National Development and Reform Commission (NDRC) and National Energy Agency (NEA) jointly published the Notice on Deepening Market-Based ...



National Development and Reform Commission and Energy ...

Undertake the peak regulation resources corresponding to the consumption of renewable energy, including pumped storage power stations, chemical energy storage and other new energy ...

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Circular of the National Development and Reform Commission ...

National Development and Reform Commission
National Energy Administration on encouraging
Renewable Energy Power generation enterprises
build or purchase peak regulation capacity ...

National Development and Reform Commission: Strengthen the ...

On January 4, the National Development and Reform Commission and other four departments issued the "Implementation Opinions on Strengthening the Integration and Interaction of New ...



[National Development and Reform Commission Measures ...](#)

National Development and Reform Commission
"Measures for the guaranteed full purchase of
renewable electricity" NDRC Energy [2016] No.
625 To Development and ...

China strengthens NEV industry design to support the sector's ...

Most recently, the National Development and Reform Commission and three other authorities released a guideline to strengthen the integration of NEVs into the country's ...



Working Guidance for Carbon Dioxide Peaking and Carbon ...

35.Strengthening overall coordination. To strengthen overall coordination, the National Development and Reform Commission will work with local authorities and relevant ...



Policy Interpretation , Four Key Firsts in China's Market-Based Reform

According to China Power Enterprise Management, on February 9, 2025, the National Development and Reform Commission (NDRC) and the National Energy ...



China issues guidelines for vehicle-grid interaction, ...

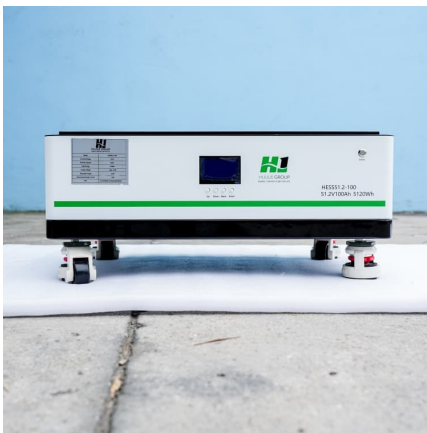
China aims for NEVs to become an important part of the energy storage system by 2030, providing tens of millions of kilowatts of regulation ...





Evaluating and aggregating the grid-support capability ...

To comprehensively consider the peak regulation requirements of the power grid and the operational characteristics of ESSs, this paper ...

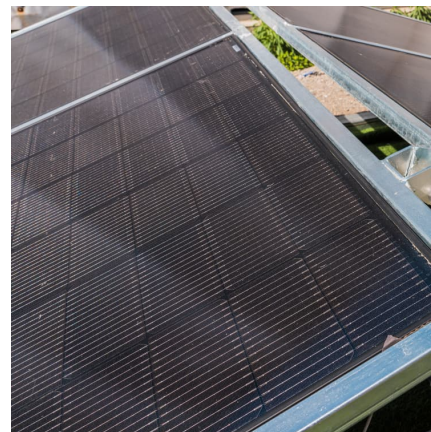


Working Guidance for Carbon Dioxide Peaking and Carbon Neutrality ...

35.Strengthening overall coordination. To strengthen overall coordination, the National Development and Reform Commission will work with local authorities and relevant ...

Beijing targets vehicle-grid integration to manage power demand ...

The notice, published on Thursday by China's National Development and Reform Commission (NDRC), calls for the creation of initial technical standards governing new energy ...



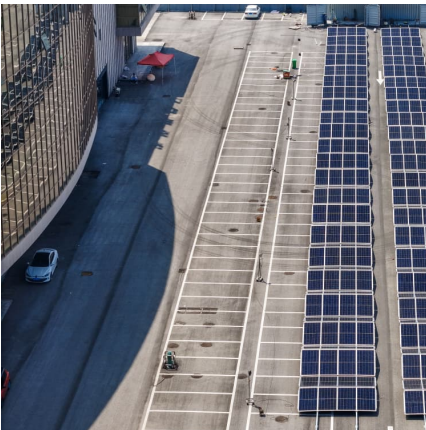
Approval and progress analysis of pumped storage power ...

Pumped storage power stations in Central China are typical for their large capacity, large number of approved pumped storage power stations and rapid approval. This ...



[Guiding Opinions on Energy Work in 2022](#)

Notes National Energy Administration ????? State administration under the supervision of the National Development and Reform Commission (NDRC). The Administration ...



[China's updated electricity market rules to benefit ...](#)

China's updated power market regulation now encompass a broader range of market participants, including energy storage entities, in a bid ...

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