

NATIONAL ENERGY STORAGE 2020

INDUSTRY POLICY



What is the 'guidance on accelerating the development of new energy storage? Since April 21, 2021, the National Development and Reform Commission and the National Energy Administration have issued the ???Guidance on Accelerating the Development of New Energy Storage (Draft for Solicitation of Comments)??? (referred to as the ???Guidance???), which has given rise to the energy storage industry and even the energy industry.



What is the 'guidance' for the energy storage industry? Based on the above analysis, as the first comprehensive policy document for the energy storage industry during the ???14th Five-Year Plan??? period, the ???Guidance??? provided reassurance for the development of the industry.



What are energy storage policies? These policies are mostly concentrated around battery storage system, which is considered to be the fastest growing energy storage technology due to its efficiency, flexibility and rapidly decreasing cost. ESS policies are primarily found in regions with highly developed economies, that have advanced knowledge and expertise in the sector.



Will energy storage industrialization be a part of the 14th five-year plan? While looking back on 2020, we also looking forward to the development of energy storage industrialization during the 14th Five-year Plan, as policy and market mechanisms become the key to promote the full commercialization and large-scale application of energy storage.



Will energy storage eliminate industrial development? In the context of the ???dual-carbon??? goal and energy transition, the energy storage industry's leapfrog development is the general trend and demand. The follow-up actions will inevitably introduce a series of policies for the development of energy storage to eliminate industrial development. Faced with ???obstacles??? one by one.

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Should power generation firms build energy storage facilities? Power generation firms are encouraged to build energy storage facilities and improve their capability to shift peak loads, according to a notice co-released by the National Development and Reform Commission (NDRC) and the National Energy Administration (NEA).



The Malaysian Government had, on 19 September 2022, launched the National Energy Policy 2022-2040 ("NEP") with the following objectives:
??? Enhancing macroeconomic resilience and energy security ???
Achieving social ???



First, it summarizes the developing status of energy storage industry in China. Then, this paper analyzes the existing problems of China's energy storage industry from the ???



Mechanical energy storage technologies such as megawatt-scale flywheel energy storage will gradually become mature, breakthroughs will be made in long-duration energy storage technologies such as hydrogen storage ???



Buoyed by the rapid growth in the renewable energy industry and strong policy support, China's development of power storage is on the cusp of a growth spurt which will generate multi-billion dollar businesses, experts said. ???

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On November 27, the National Energy Administration released its No. 5 announcement for 2020, approving 502 energy industry standards. Seven of the announced standards relate to energy storage, covering areas including ???



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Energy storage plays a crucial role in the safe and stable operation of power systems under high renewable energy penetration. Unlike conventional energy source policy, and market mechanisms for battery energy storage in ???



In July 2021, the National Energy Administration and the National Development and Reform Commission issued their "Guiding Opinions on Accelerating the Development of New Energy Storage", which for the first time declared the ???



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Heavy Industry Structure: In 2020, six high-energy-consuming industries accounted for about 84% of the energy consumption in the industrial sector. The traditional industrial ???



These cover all application scenarios, from front-of-the-meter (FTM), which consists of power generation to the grid, to behind-the-meter (BTM), which includes commercial and industrial use cases. Central government sets the ???