

The latest policy on new energy storage

Should the UK invest in a strategic reserve of electricity storage?

A strategic reserve of electricity storage is a critical investment to secure the UK's energy supply against future shocks, but the Government is still equivocating over whether it is necessary to invest in one. "Since 2023, the Government has had a Department for Energy Security and Net Zero.

Could long-duration energy storage technology be a key to energy security?

Baroness Brown of Cambridge, Chair of the House of Lords Science and Technology Committee. A House of Lords committee has warned the Government that it must act fast to ensure long-duration energy storage technologies can scale up in time to play a vital role in decarbonising the electricity system and ensuring energy security by 2035.

Does the government have a clear plan for energy supply risks?

"In light of the huge economic damage the recent energy crisis has caused, it is distressing to see that the Government lacks a clear plan for energy supply risks and indeed is still deliberating over investment in energy storage to prevent future crises." Baroness Brown of Cambridge, Chair of the House of Lords Science and Technology Committee.

Why is electricity storage important for a net zero energy system?

2.9.9 Electricity storage is essential for a net zero energy system, it stores electricity when it is abundant for periods when it is scarce, as well as providing a range of services to help maintain the resilience and stability of the grid.

Does the UK need long-duration energy storage?

Long-duration energy storage is critical for ensuring the UK can have both, so it must be a key priority for the Department. "The Government says it wants to deploy enough storage both to balance and to decarbonise the electricity system by 2035, but we are not on track.

When is long-term energy storage important?

"This is when long-term energy storage becomes crucial." Long duration energy storage (LDES) generally refers to any form of technology that can store energy for multiple hours, days, even weeks or months, and then provide that energy when and if needed.

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Grid-scale storage plays an important role in the Net Zero Emissions by 2050 Scenario, providing important system services that range from short-term balancing and operating reserves, ...

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