

# The latest new regulations on power system energy storage

Why are we legislating electricity storage?

Why are we legislating? Electricity storage covers a range of technologies that store low carbon energy for when it is needed, for example in batteries on the wall of your home or business, or in facilities that pump water to higher reservoirs when electricity is abundant, and let it flow back down through a turbine when it is scarce.

Will energy storage help a decarbonised power system?

Therefore, the government has said a decarbonised power system will need to be supported by technologies that can respond to fluctuations in supply and demand, including energy storage. The government expects demand for grid energy storage to rise to 10 gigawatt hours (GWh) by 2030 and 20 GWh by 2035.

What are the changes to the electricity storage licensing regime?

These changes will ensure that in the licensing regime electricity storage is subject to the same rules and regulations than other forms of generation; and they will address current issues storage providers face surrounding final consumption levies (where some providers currently face double-charging of such levies).

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.

Is energy storage regulated?

Whilst the Department of Business, Energy & Industrial Strategy ("BEIS") and Ofgem have been supportive of energy storage and recognise the benefits and flexibility provided by the various technologies, there is no specific legislation on or regulation of storage at present.

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.

MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids. Replacing fossil fuel-based power generation with power ...

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Regulations; ... While there are economic and technical factors to consider in deploying Energy Storage System (ESS), it can also ...

1st October, 2023 was a historic day for the Indian Power System as the new Indian Electricity Grid Code, 2023 (the new Grid Code) came into force. Along with the new Grid Code, the ...

On 15 April 2021, the Polish Parliament in the Lower Chamber (Sejm) adopted a draft amendment to the Energy Law Act ("Draft"). The new provisions introduce comprehensive solutions for the ...

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Tier 2 Battery Energy Storage Systems have an aggregate energy capacity greater than 600kWh or are comprised of . 2. Model aw L. 1. Authority . This Battery Energy Storage System Law is ...

The New Kid on the Block: Battery Energy Storage Systems and Hybrid Plants. The New Kid on the Block: Battery Energy Storage Systems and Hybrid Plants ... The rapid increase of BESS and hybrid projects on the bulk power system ...

In the past few decades, electricity production depended on fossil fuels due to their reliability and efficiency [1]. Fossil fuels have many effects on the environment and directly ...

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