

Land security policy for energy storage projects

Does the UK have a long-duration energy storage policy?

It was also acknowledged in the Government's British Energy Security Plan (published in March 2023) in which the Government committed to having an appropriate policy in place to enable private investment in long-duration electricity storage projects by the end of 2024.

Should long duration electricity storage be deployed?

These are: deploying long duration electricity storage is estimated to generate significant system benefits from reduced alternative generation, interconnector, and network costs, with the case for deploying long duration electricity storage increasing if there is a reduced deployment of hydrogen to power and/or CCUS.

What is the 'cap and floor' regime for long duration electricity storage (LDEs)?

Ofgem is the regulator for Long Duration Electricity Storage and oversees implementation of a 'cap and floor' regime for LDES projects, proposed by the Department for Energy Security and Net Zero (DESNZ). The aim of this regime is to stimulate investment in Long Duration Electricity Storage projects.

Can long duration electricity storage help decarbonise our energy system?

We're consulting on the policy framework to enable investment in long duration electricity storage. Long duration electricity storage can provide an important contribution to decarbonising our energy system. For example, it can store renewable power and discharge it during periods of low wind.

What is the British Energy Security Strategy (BESS)?

The government therefore committed in the British Energy Security Strategy (BESS) to encouraging all forms of flexibility with sufficient large-scale, long duration electricity storage to balance the overall system by developing appropriate policy to enable investment, with this consultation setting out the proposed approach.³

What is long duration electricity storage (LDES)?

Long Duration Electricity Storage (LDES) technologies contribute to decarbonising and making our energy system more resilient by storing electricity and releasing it when needed. LDES can also help reduce costs for consumers through reducing their bills and by avoiding the need for expensive electricity grid upgrades.

Planning law in the UK allowing energy storage projects over 50MW has officially changed, allowing much bigger projects to come online without going through the national planning process. In July, ministers passed secondary legislation that will allow battery storage to bypass the Nationally Significant Infrastructure Project (NSIP) process in Britain.

The UK's booming battery storage sector. The UK's battery storage capacity is growing rapidly, with over 1.6 GW of operational projects as of 2023, according to the Department for Business, Energy & Industrial

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Strategy. The government has set an ambitious target of reaching 18 GW of storage capacity by 2035, including 10 GW from long-duration energy storage (LDES) ...

The previous largest projects in the world are 20MW systems in New York (Beacon Power) and Pennsylvania (Hazle Township), US, owned by Convergent Energy + Power. The Dinglun project is one of the first batch of ...

EMP synthesizes foundational data, conducts original research, and provides technical support to public agencies and others on utility-scale renewable energy and storage. Our work seeks to inform domestic and global decision-making ...

The Crimson Energy Storage Project is in an area analyzed and identified as suitable for renewable energy development as part of BLM's Desert Renewable Energy Conservation Plan Land Use Plan Amendment. ...

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What do the changes to energy storage planning law mean? Essentially, the relaxation of the planning rules means that battery storage projects above 50MW in England, and 350MW in Wales can now go ahead ...

The energy crisis underlined exactly why we must end Britain's reliance on volatile gas markets for electricity generation - only then will we have true energy security for every community ...

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The passing of the Inflation Reduction Act in August of 2022 included provisions that are significantly impacting the utility-scale battery storage industry. This includes the decoupling of storage from solar projects, allowing ...

He regularly acts for sponsors, developers, funders and other stakeholders on project development, acquisitions, disposals and project financings. As co-head of ...

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