



Teesside Energy Transition Gigapark: plans for UK's largest Battery Energy Storage System submitted to Redcar and Cleveland Borough Council

20.12.24

NatPower UK, one of the UK's leading developers of clean energy generation, distribution and energy transition infrastructure, has submitted proposals for a 1GW battery energy storage system (BESS) to Redcar and Cleveland Borough Council.

The BESS would be constructed on a 50-acre section of the 4,500-acre Teesworks site at Long Acres, storing enough clean power for 3.9 million homes for up to four hours at a time. If the proposals are approved, the Teesworks Gigapark would be the largest battery storage system in the UK. Up to 300 local jobs would be created during the construction period.

Battery storage is crucial to guaranteeing a secure, affordable and clean energy supply for the UK. While wind and solar farms rely on changeable weather patterns, batteries allow us to store this intermittent electricity during generation and release it at times of peak demand. This will ensure grid resilience in a time of change, with [demand increasing by up to 50%](#) as we electrify transport and heating, and we transition to renewable forms of generation.

The UK Government's [Clean Power by 2030 Action Plan](#) has stated that the country needs up to 27GW of battery storage by 2030 to help manage the renewables generation volatility, with just 4.5GW of capacity currently on the system. Right now, we're paying wind farms billions of pounds each year for clean energy that is not used, because there is nowhere to store it. Very large battery storage can store this energy during the day when supply exceeds demand and release it when demand increases or generation falls.

The submission of the plans follows a period of engagement and consultation with the local community which demonstrated local support for the proposals.

John Sturman, Managing Director at NatPower, said:

'We are thrilled to submit these ambitious proposals for our Teesside Gigapark to Redcar and Cleveland Borough Council. The project will make a significant contribution to establishing Teesside as the UK's clean energy capital, securing it's long term future, creating up to 300 local jobs during construction and driving progress toward a fully decarbonised electricity supply by 2030.'



‘Our plans also represent real opportunity for the local community of Teesside. Our Community Energy Transition Foundation will support local initiatives that promote sustainable living and environmental stewardship. We estimate that the Gigapark will contribute up to £1m each year to the Foundation to be used exclusively for the benefit of the local community. Our goal is to leave a lasting, positive legacy—investing in the local community while delivering transformative change on a national scale. We welcome collaboration with local organisations and encourage interested parties to reach out to us at teesside.bess@natpower.uk’