The need for battery energy storage

Our energy system is in a transitionary period.

Ageing infrastructure is being replaced and greater flexibility introduced into our networks via technological advances, such as battery energy storage, to manage the increasingly complex supply and demand needs of the 21st Century.

Battery energy storage is crucial in enabling the rollout of zero carbon energy and supporting England's net-zero emissions target.

Renewable energy technologies are needed to replace electricity generation from fossil fuels, however, they can generate electricity intermittently depending on weather conditions, which can cause imbalances in the electricity network.

Battery energy storage works by storing energy at times when generation exceeds demand and then releases electricity back to the electricity network when demand exceeds generation.

Battery energy storage is also considered the fastest technology for responding to a sudden spike in demand or an abrupt loss of supply, helping support grid stability and avoiding power cuts.

Image for illustrative purposes only

Winking Hill Energy Storage Proposal

winkinghill-energystorage.co.uk

power for good