

Environmental considerations

RES will design the battery energy storage system so that it will fit sensitively in the surrounding landscape.

Winking Hill proposal is located within the designated greenbelt near to the power station and adjacent to the A453. If consented, there will be no permanent impact on the land, which will be reinstated to its original use after the life time of the project. The project is also being designed to deliver a significant BNG to the local area and further information can be found on the Landscaping and Biodiversity exhibition board.

A number of surveys and assessments are being carried out to ensure any potential impact upon the environment, landscape, heritage and local residents is appropriately assessed and mitigated.

The assessments to be carried out will include:

Ecology

A Preliminary Ecological Appraisal will present the main findings of a desk study and walkover survey, categorising baseline habitats and conditions and their nature conservation value and predicting any potential ecological impacts from the project.

Acoustics

Noise is an important consideration, and the battery energy storage system will be designed to comply with strict noise limits set by the determining authority should the project be granted consent. The scope of the acoustic assessment includes determining the baseline background sound levels and predicting sound levels from the project in order to assess the level of potential impact, in accordance with relevant planning guidance.

Flood risk & surface water management

Detailed design and flood modelling is being undertaken to minimise increased flood risk anywhere on or off site. A Flood Risk and Drainage Impact Assessment will accompany the planning application which will also set out any proposed surface water drainage solution.

Landscape

A Landscape and Visual Appraisal (LVA) considers the site and its surrounding context in both landscape and visual terms, to assess the potential effects of the proposed battery energy storage system upon landscape features, landscape character and visual amenity.

Heritage & Archaeology

This assessment sets out the cultural heritage baseline of the site as well as assessing the site's archaeological potential. It will assess the potential effects of the project on the cultural heritage resource, within the context of relevant legislation and planning policy, and determine, should any predicted adverse effects be identified, how these effects can be mitigated.



image for illustration purposes only

Winking Hill Energy Storage Proposal

winkinghill-energystorage.co.uk