



INDICATIVE IMAGE



Battery Energy and Storage System (BESS)

Why does the site include a BESS?

Battery storage, or battery energy storage systems (BESS), are devices that enable energy from renewables, like solar and wind, to be stored and then released when the power is needed most.

The BESS part of our proposal comprises:

- Approximately 48 battery cells and inverters are housed within six containers. The containers will have a maximum height of 2.6m.
- The containers will be placed on a slightly raised platform, with 0.5m between each container.
- The BESS compound will be secured by 2.4m tall fencing.
- One water tank, approximately 3m high, will be included for fire-fighting purposes.
- It is close to the site access, with two dedicated entry points, should there be a need for emergency access.

Safety

A few people asked about the safety of the BESS part of our proposal after the first exhibition.

Our response

BESS safety is ensured via regulations, site-specific features and best practice. Fires at BESS facilities are extremely rare. Nevertheless, all necessary safety features are being designed in compliance with the most up-to-date guidance from the National Fire Chiefs Council.

For example, the units will include early warning fire detection and suppression,

thermal management and best-in-class design, installation and maintenance.

Once the BESS is operational, regular, preventative maintenance of the individual units will be carried out to ensure the system performs well and the risk of any failures is minimised.

An Outline Battery Safety Management Plan will be submitted as part of our planning application.

If you have any comments or questions about any aspect of the project please talk to a member of the project team or visit our website.

