



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. Battery

storage technology has a key part to play in ensuring homes and businesses can be powered by green energy, even when the sun isn't shining or the wind has stopped blowing.

BESS Features

- **Cells and containers:** We'll have approximately four six-metres-long containers. The exact model and manufacturer will be determined later, but they will be a maximum height of 2.6m.
- **Layout:** The containers will be placed on a raised platform, with 0.5m between each container.
- **Security:** The BESS will be secured by 2.4m tall fencing.
- **Monitoring and control:** Each of the containers will have early warning sensors.
- **Safety:** Each of the cells/ containers will be fitted with a water-based fire suppression system.
- **Location:** We've placed the BESS in part of the site where visual impact is minimised, and it is over 500m from any residential property.
- **Access:** The BESS will have two access points for vehicles.

According to the National Grid



Every day engineers at National Grid and electricity grids worldwide must match supply with demand. Managing these peaks and troughs becomes more challenging when the target is to achieve net zero carbon production. Fossil-fuel fired plants have traditionally been used to manage these peaks and troughs, but battery energy storage facilities can replace a portion of these so-called peaking power generators over time.

The UK government estimates technologies like battery storage systems – supporting the integration of more low-carbon power, heat and transport technologies – could save the UK energy system up to £40 billion by 2050, ultimately reducing people's energy bills.

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.

