



## About Us

YLEM Energy is an international organisation based in Manchester. We have installed more than 400 megawatts of power generation and energy storage, which is enough to power one million homes.

Following the development of renewable energy projects in China, South America, South Africa and throughout Europe, YLEM Energy is now focused on the development and construction of advanced battery energy storage which enables better balancing of the grid.

The Company's commitment to environmental responsibility underscores its importance in fostering a greener and more sustainable energy landscape.



The UK aims to achieve net-zero greenhouse gas emissions by 2050, aligning with its commitment to combat climate change. This goal involves reducing emissions across various sectors and transitioning to cleaner energy sources such as solar and wind.



## Public Consultation

YLEM Energy will be holding two public consultation events. These events are an opportunity for you to come and have a look around at the exhibition and speak to the development team.

**Wednesday 24<sup>th</sup> January**

**Tuesday 20<sup>th</sup> February**

**The Bield, Blackruthven,  
Perth, PH1 1PY**

**1pm until 7pm**

YLEM Energy welcome your input, if you are unable to attend the public consultation event, please send in your comments or queries to the email address below.

### Contact us

[flexibility@ylemenergy.co.uk](mailto:flexibility@ylemenergy.co.uk)

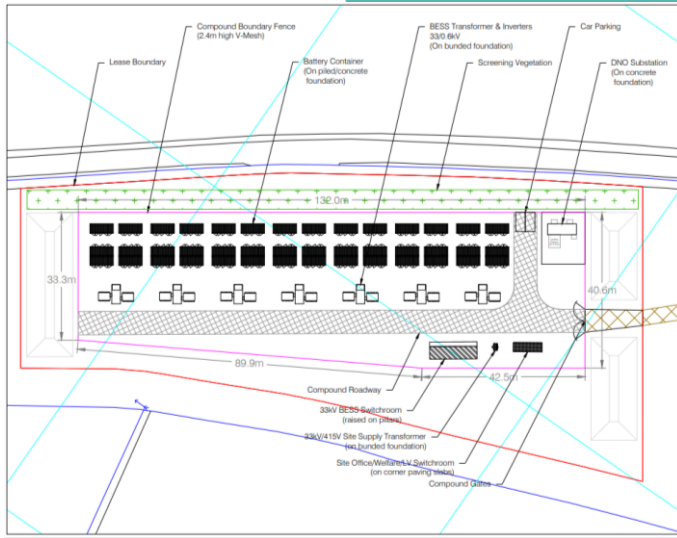
**YLEMENERGY.COM**



## Burghmuir Battery Storage



# Indicative Proposal



**Location: Land to the south of Tibbermore Road, Perth, PH1 1PZ.**

The proposed site is approximately 400m east of Tibbermore village, on agricultural land that is currently used for grazing. The nearest residential properties are located 150m to the east and 300m to the north.

The indicative proposal features a 50MW BESS to provide electricity to National Grid at times of high demand or low generation by renewable technologies. The location of the development was chosen due to the proximity of the nearby Burghmuir GSP substation, as well as the remoteness of the land.

## Considerations



### Noise

A Noise Impact Assessment will be conducted to ensure noise does not exceed recommended limits. This will be submitted alongside any future planning application. In cases of noise disruption, appropriate acoustic dampening techniques will be proposed.



### Heritage

The proposed development site lies on the site of the Battle of Tippermuir. We understand the cultural and historical significance of this site and are committed to minimising the potential impacts of the proposed development as much as possible. A Heritage Impact Assessment outlining the potential impact of the proposal will be submitted alongside any future planning application.



### Safety

The risks of fire related to battery energy storage sites is incredibly low and incidents are rare. We will ensure that all regulations are followed, and robust measures are put in place to prevent fire events.



### Landscape and Biodiversity

A Landscape and Visual Impact Assessment and Ecological Appraisal outlining any development impact will be prepared and submitted alongside any future planning application. Recommendations highlighted are implemented to reduce potential impacts.



## Why Battery Storage?

Battery energy storage involves using batteries to store excess energy generated from renewable sources, like solar and wind. Battery storage avoids generators being paid to switch off renewable and low carbon technologies during periods of low demand. Battery storage systems enable more renewable and low carbon energy to assist the move away from fossil fuels. This helps address the intermittency of renewable energy and ensures consistent, reliable power, whilst reducing emissions of harmful greenhouse gasses.