FIELD

FIELD YAXLEY BATTERY STORAGE

Storing up to 200 MW of electricity to create a greener and more stable grid.

We are holding a public consultation event on
Thursday 5th December 2024 from **2pm-7pm**
at Mellis Memorial Hall, The Common, Mellis, Eye, IP23 8DW.

This event marks the beginning of a two week public consultation that runs until **Thursday 19th December 2024**.

WHAT ARE WE PROPOSING TO BUILD AND OPERATE?

Field builds and operates large batteries which store energy to help create a greener, more stable electricity grid.

We'd like to build one of these battery storage systems, Field Yaxley, on land at the former Eye Airfield, Eye, Suffolk.

Field Yaxley would be capable of storing up to 200 MW of electricity. This is expected to avoid up to 1.4 million tonnes of CO_2e emissions during the first 20 years of operation. This would be achieved by supplying the grid with electricity stored when renewable energy generation is high, therefore reducing reliance on high carbon energy sources when renewable generation is low.

Our first site was Field Oldham, a 20 MW / 20 MWh battery which has been operating since Autumn 2022. Field Yaxley would join Field Newport (20MW / 40MWh), Field Oldham and Field Gerrard's Cross (20 MW / 20 MWh) in Buckinghamshire as part of a nationwide network which, together, will help the UK reach net zero.

WORKING WITH LOCAL COMMUNITIES

Our batteries will provide huge benefits to the UK, and we take great care to make sure this is not to the detriment of the communities that host them.

As a responsible developer and operator, listening to local communities matters to us, as it allows us to understand and respond to local issues, and ultimately build better battery sites.

We engage early with communities throughout the development process, oversee the construction on-site and we're responsible for the project once it's in operation. We're part of communities for the long-term.

WHY DO WE NEED BIG BATTERIES?

To reach net zero, increase energy security and help reduce energy bills, we need to decarbonise our energy supply, store renewable energy and improve the electricity grid's stability and reliability.

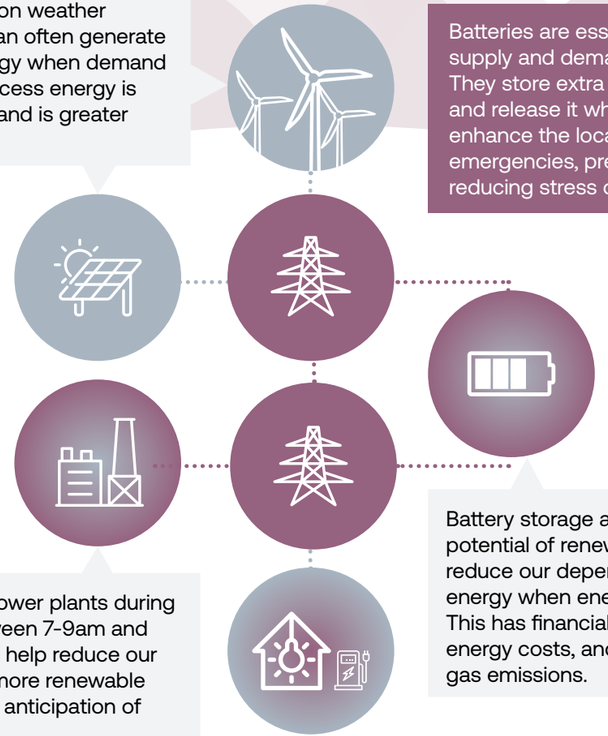
Our batteries are designed to fill gaps in the UK's electricity supply by charging up when renewable energy is being produced (such as on windy, sunny days) and discharging energy back into the grid when needed (e.g. when the wind isn't blowing, the sun isn't shining, or we aren't able to import energy from elsewhere). This ensures plenty of energy is available for people to make their morning cuppa, even on a calm, overcast winter's day.

These batteries work a lot like the batteries you use at home, only instead of using our batteries to power a torch or TV remote, we operate large, 'grid scale' batteries. This means we can rely more on renewable energy and less on expensive fossil fuels to provide electricity to thousands of homes and businesses.

Batteries are also very good at keeping the grid stable, by maintaining a constant and predictable supply of electricity to the grid, at the right frequency.

Changes in the supply and demand of electricity on the network create changes in this electrical frequency. This needs to be closely monitored, as if frequency is too high or too low, the network cannot operate properly. Field Yaxley will help to keep this frequency at the right level, which in turn helps reduce the chances of network disruptions or blackouts.

Wind and solar energy rely on weather conditions, meaning they can often generate significant amounts of energy when demand is low. It is important this excess energy is stored for times when demand is greater than supply.



Batteries are essential for managing energy supply and demand throughout the day. They store extra energy when demand is low and release it when demand is high. They enhance the local power grid's stability during emergencies, preventing blackouts and reducing stress on the power infrastructure.

Battery storage allows us to maximise the potential of renewable energy sources and reduce our dependence on fossil fuel based energy when energy demand is highest. This has financial benefits, such as reducing energy costs, and helps lower greenhouse gas emissions.

We currently turn on gas power plants during peak periods such as between 7-9am and 6-8pm. Battery storage will help reduce our reliance on gas power, as more renewable energy can be stored up in anticipation of peak periods.

- An indicative underground **cable connection** to connect the battery to Yaxley substation (see cable corridor above).
- Site **access tracks** to allow vehicles to safely get around the site.
- **Drainage arrangements** to allow surface water to drain from the site at the same rate as the existing fields.
- **Site security**, including CCTV, fencing and lighting.
- **Landscaping** to provide visual screening of the site and contribute to biodiversity enhancement.

FREQUENTLY ASKED QUESTIONS

What makes Field a committed and responsible developer for the long term?

Many developers look to take the project to shovel-ready status - that's securing land, grid connection and planning permission, and then sell the project on.

Field is a developer/owner/operator, which means we are responsible for the project throughout its entire lifecycle. We will be working with the community during early design and development, construction, and throughout the operation of the project.

We work with a select number of planning and environmental consultants, including specialists in archaeology, landscape, and ecology. We're a UK founded and UK backed business who cares about each project we develop and the communities we work with.

When will Field Yaxley be built?

We will be submitting our planning application to Mid Suffolk Council in early 2025. If we are granted consent, we would look to start construction in 2028 and it will take about two years to complete.

Will the project impact local traffic?

Once operational, the battery will have minimal impact on local traffic, with only occasional visits required for maintenance. When the battery is being built, construction traffic is managed through a Construction Traffic Management Plan. This will include details of construction traffic numbers, vehicle routing and working hours. As with all aspects of the development, we welcome input from the local community to help reduce any impact on local roads where possible.

Are battery energy storage sites noisy?

The main noise associated with batteries are the cooling fans, which keep the batteries from overheating. This noise level is low and the batteries are not expected to be audible beyond the site boundary. Noise is measured against existing background noise levels and noise levels are required to meet the relevant British Standards and World Health Organisation Noise Guidelines.

We conduct thorough noise evaluations for each site and implement various noise mitigation measures in our project plans. These measures, such as acoustic fencing and bunding, ensure that noise impacts are acceptable at nearby sensitive locations.

Are the batteries safe and what safety measures will you put in place?

Large batteries are safe facilities. We work hard throughout site design, construction and into operation to ensure the safety of our sites. We would only use batteries that have best-in-class fire safety performance and will be compliant with all relevant fire safety standards.

The batteries will be constantly monitored and in the unlikely event that a fire does occur, the facility will employ automatic fire detection and suppression systems.

We are also working with the local fire and rescue service to ensure suitable emergency response procedures are in place, including a Battery Fire Safety Management Plan.

To keep our sites secure, all our projects include perimeter fencing and gated access. During operation, our sites are unmanned and CCTV is used to monitor activities.

FEEDBACK FORM

To return your completed feedback form please tear it from the brochure and pop it in the post by **Thursday 19th December 2024**. Alternatively, you can return your form via email to **feedback@fieldyaxley.co.uk**.

Title: Name:

Address: Postcode:

Email: Telephone:

1. Has this brochure been helpful in understanding our proposal? ❑ Yes ❑ No ❑ Not sure

2. With regards to the proposals you have read about within this brochure, are you:
   ❑ In favour ❑ In objection ❑ Of no opinion

3. Please use this space to provide any comments on the proposal. We would welcome your feedback on all aspects of the emerging design shown in the brochure.

Please provide your contact details if you wish to get a response. Any information provided will only be used for the purpose of the planning application to the Local Planning Authority and will not be disclosed with any third parties. Your contact details will not be listed on the planning application documentation. Field is managing this public consultation process in collaboration with Alpaca Communications.

INDICATIVE TIMELINE

Mid 2024	*Thursday 5th December 2024*	*Early 2025*	*Mid 2025*	*2028 onwards*
Early environmental assessments and design work underway	Public consultation event	Submission of planning application	Determination of planning application	Construction and operation

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Instructions

To return your feedback form, please fold and put it in the post to us.

If you'd like more space to share your thoughts, send us an email, or just write your comments down and pop them in an envelope with 'FREEPOST ALPACA COMMUNICATIONS LIMITED' written on the front. You don't need any further address or stamp.

Any queries or problems? Get in touch via feedback@alpacacommunications.com.

JOIN US AT OUR PUBLIC CONSULTATION EVENT

We're on a mission to build the renewable energy infrastructure needed to reach net zero, starting with battery storage. Your feedback can help us to improve our proposals for Field Yaxley.

For further information, please visit our website at **www.fieldyaxley.co.uk**.

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You can submit your feedback to us or write to us via:

Email: **feedback@fieldyaxley.co.uk**

Freepost: **Alpaca Communications Limited**

Comments are invited by
Thursday 19th December 2024.