FIELD

FIELD NEW DEER BATTERY STORAGE

Storing electricity to create a greener and more stable grid.

We are holding two public consultation events on
Tuesday 25th February 2025 from 2pm-7pm
at Cuminestown Village Hall, Main Street, Cuminestown, Turriff, AB53 5YJ.

The second event will be held on the **Tuesday 18th March 2025 from 2pm-7pm**
at Cuminestown Village Hall, Main Street, Cuminestown, Turriff, AB53 5YJ.

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 batteries, Field New Deer, on land to the north west of the planned Greens (New Deer 2) Substation.

Field New Deer would connect directly to Greens Substation, and would be capable of storing energy to generate up to 400 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.

Field has several battery sites across Great Britain in operation and construction, including our 200 MW battery in Hartmoor which will commence construction in 2026. Field New Deer would join a nationwide network of batteries 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 New Deer will help to keep this frequency at the right level, which in turn helps reduce the chances of network disruptions or blackouts.

STORING ENERGY IN ABERDEENSHIRE

Scotland has set a target to become net zero by 2045, with a reduction in greenhouse gases of 75% by 2030 and 90% by 2040. Batteries enable much greater use of renewable energy, and therefore play an important role in helping Scotland reach net zero.

Batteries are a vital part of how we can make the most of renewable energy, which is why we believe that they can play a part in the Aberdeenshire Council's route map to 2030 and beyond. Below is the council's statement regarding to their drive for net zero within Aberdeenshire.

"On 18 March 2020 Aberdeenshire Council, agreed a Climate Change Declaration committing to working towards a carbon free society by reducing its own emissions by 75% (2010/11 baseline) by 2030 and to work with others across the region to ensure that Aberdeenshire reaches Net Zero by 2045."

FIELD NEW DEER

Field New Deer would be located to north west of the planned Greens (New Deer 2) Substation. The built infrastructure (batteries, cables, access tracks, etc.) is proposed to cover an area of approximately 30 hectares. This would also include landscaping and biodiversity enhancements to ensure we are having a positive impact on the land we use and its local setting.

Field New Deer will be made up of the following components:

- **Battery energy storage units**, which will be used to store the energy from the grid.
- **Power conversion systems** (including inverters and transformers), which convert energy from alternating current to direct current, so that it can be stored by the batteries.
- **An on-site substation**, which either steps up or steps down the voltage of the energy being stored.

- An underground **cable connection** to connect the battery to the planned Greens (New Deer 2) Substation.
- Site **access tracks** to allow vehicles (including emergency 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 business who cares about each project we develop and the communities we work with.

When will Field New Deer be built?

We will be submitting our planning application to the Energy Consents Unit in Spring 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 Scottish Fire and Rescue Service to ensure suitable emergency response procedures are in place, including a Battery 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 **Monday 24th March 2025**. Alternatively, you can return your form via email to **feedback@fieldnewdeer.co.uk**.

Title: Name:

Address: Postcode:

Email: Telephone:

Gender: ❑ Male ❑ Female ❑ Other:

Age: ❑ Under 18 ❑ 18-24 ❑ 25-34 ❑ 35-44 ❑ 45-54 ❑ 55-64 ❑ 65 and over

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 receive a response. Any personal contact information provided will only be used in relation to the planning application to the Local Planning Authority and will not be shared with any third parties. Your contact details will not appear on the planning application documentation.

As part of this consultation process, Field, in collaboration with Alpaca Communications, may use anonymised responses and data for internal analysis and reporting purposes. Any information used in this way will be fully anonymised and will not be attributable to any individual.

INDICATIVE TIMELINE

Late 2024	*Tuesday 25th February 2025*	*Tuesday 18th March 2025*	*Spring 2025*	*Autumn 2025*	*2028*
Early environmental assessments and design work	Public consultation event 1	Public consultation event 2	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 EVENTS

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 New Deer.

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

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

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

Freepost: **Alpaca Communications Limited**