lightsource bp

COMMUNITY INFORMATION PACK

JULY 2025

Proposed Bargatton energy storage project

Lightsource bp is working on a proposal for an energy storage project at land to the east of the A762. We will fund and operate a 100MW/400MWh (4-hour duration) battery connected into the local electricity network.

The energy storage project will facilitate the integration of renewable energy into the grid, helping to support low-cost electricity and the enhanced reliability of the electricity grid.

We've chosen this site after careful consideration, and we're now undertaking a wide range of environmental assessments to help shape our plans. These include landscape and visual, heritage and archaeology, ecology and ornithology, flooding and more.

A key part of developing plans for the energy storage project is engaging with local communities, so we're holding two consultation events to display our plans and gather feedback. Members of the Lightsource bp team will be on hand to answer any questions about the proposal from local residents and interested parties.

STATISTICS

100MW
installed capacity

88
battery containers (approx.)

21
acres of land

40
years operational life

This project will contribute to Scotland's ambitions of reaching net zero emissions by 2045.

Community consultation events

Get involved!

Want to talk to us about our proposals? We're holding two consultation events to display our plans and gather feedback. Come and speak to us on...

Tuesday 5th August 2025

Thursday 18th September 2025

at Ringford Village Hall

Drop in any time between 3pm and 7pm

E | info@lightsourcebp.com

www.lightsourcebp.com/uk

Proposed energy storage project at

land to the east of the A762

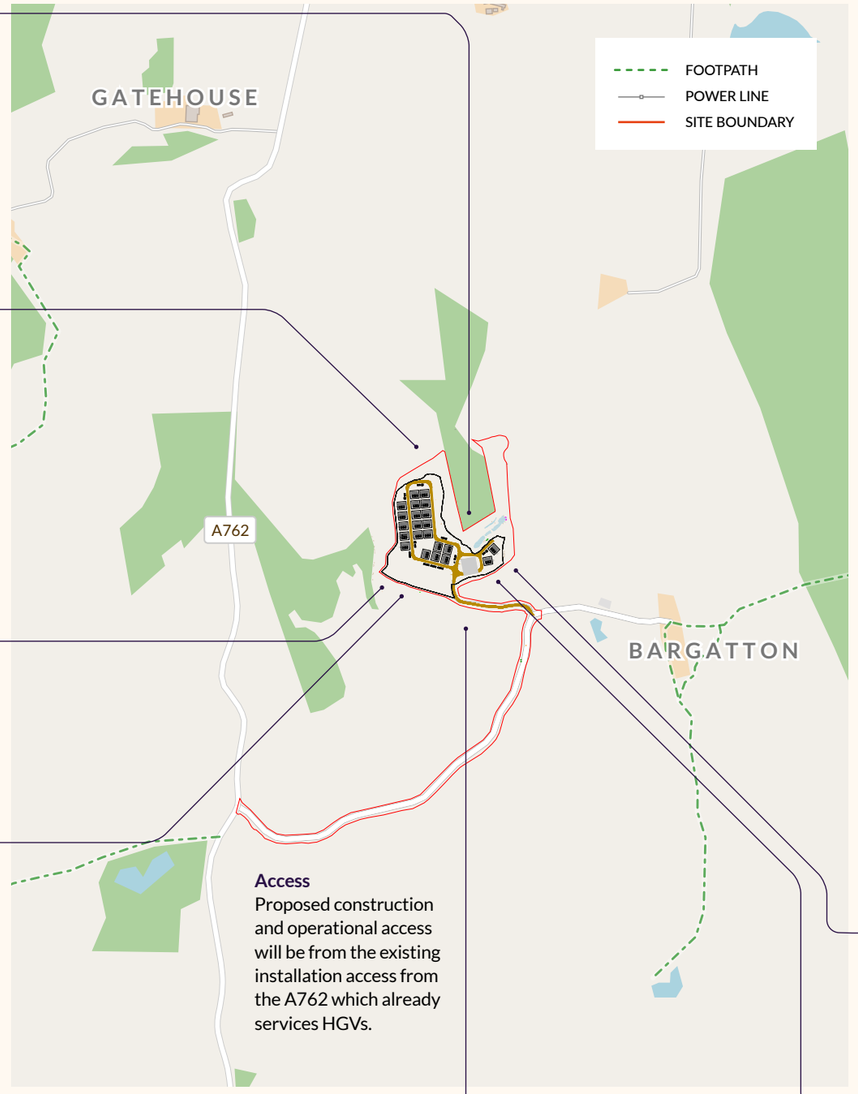
We're still in the early stages, and our plans will evolve based on local input and the results of our ecological, landscape and heritage assessments. For further details, please join us at our community consultation events on Tuesday 5th August or Thursday 18th September at Ringford Village Hall. Drop in between 3pm and 7pm.

Native Species
Pre-works checks will be carried out for new badger setts, brown hare burrows, and potential hedgehog, reptile, or amphibian presence to guide mitigation. Appropriate mitigation will be incorporated to ensure compliance with ecological regulations and protect key species and habitats.

Views and Screening
The Proposed Development is not located within or adjacent to any national or local landscape designations. The Site benefits from extensive wider landform and landscape screening such as Bargatton Wood and a smaller wooded area to the northeast. There are limited residential properties within the immediate locality. It is not expected that the development would be visible from any public rights of way nor the public highway.

New Vegetation Planting
We will submit a detailed planting plan as part of the planning application, which will focus on screening potential views of the installation using vegetation and increasing biodiversity.

Cultural Heritage Impact
There are no designated or non-designated archaeology and heritage assets present within the Site. We have commissioned independent surveys to make sure our proposals will fully assess the potential for archaeology within the site. The closest designated heritage asset is Fullwood Bridge, River Gryfe, Linwood Road (Category B) which is 1.6km to the southwest of the Site boundary.



Access
Proposed construction and operational access will be from the existing installation access from the A762 which already services HGVs.

Cable Route
The proposed BESS will connect into the new Bargatton BESS substation, which will connect to SP Transmission's R-Route overhead line via an approximately 1 km of 132kV overhead line. The precise route of the overhead line connection is unconfirmed at this stage. The overhead line will be constructed by SP Transmission and does not form part of the proposals.

Existing Vegetation
While developing the layout we have sought to maintain the majority of the existing vegetation around the perimeter of the site, retaining trees and hedgerows to preserve biodiversity and provide natural screening.

FREQUENTLY ASKED QUESTIONS

Why is this project important?
Energy storage projects are a vital part of transitioning to a low-carbon electricity network, allowing us to balance the grid and increase the amount of locally-generated renewable energy used across the UK. This not only decreases our reliance on fossil fuels, but also contributes positively to energy security and lower electricity prices. Battery storage is a crucial part of Scotland's ambitions of reaching net zero emissions by 2045.

What is an energy storage project and how does it work?
An energy storage project, or battery energy storage system (BESS), is a modular facility capable of storing and releasing energy generated by any power source, working in a similar way to standard household batteries. It consists of several components including battery units, inverters, and a substation to connect into the local transmission network.

Using the energy storage project, it is possible to reduce energy costs for consumers by storing the low-cost energy generated by renewable sources during sunny or windy periods, and releasing it during peak demand periods. Energy storage project can also improve the stability of the power grid by providing a reliable back up energy supply, delaying the need for costly and time-consuming upgrades.

Are energy storage projects a fire or safety risk?
The fire risk for Lithium batteries such as these are extremely low, and incidences of Lithium battery fires are rare. The battery will come equipped with the latest technology and will be integrated with advanced safety measures. This will include features such as external access rather than internal access, and individual units within each container that are sealed and monitored with their own fire suppression system. This means that if a single cell fails, a small section of the battery is electrically isolated, without compromising the fire safety of the rest of the container unit, minimising the risk of larger-scale damage.

The project will be developed with a bespoke Fire Management Plan, created in concert with the relevant local authorities and the local fire brigade. Safety is a core value at Lightsource bp and all our energy storage projects are developed with the highest standards of safety in mind.

How will the equipment be protected?
The energy storage project will be enclosed by a timber and wire agricultural fence about 2 metres in height, and CCTV cameras will monitor the boundary fence and area within the installation. These will be specifically positioned to make sure they do not impinge on the privacy of residents.

Will the energy storage project be noisy?
An energy storage project can produce noise from various sources, including the cooling system, fans, and power electronics. We are currently undertaking a detailed Noise Impact Assessment, however, based on the location of the project and the distance from residential areas, the probability of noise disturbances for local community members is expected to be minimal. If necessary we will implement measures to mitigate any potential impact.

Will the energy storage project cause traffic disruption?
Once the energy storage project is in place it requires very little maintenance and approximately monthly visits in regular cars or 4x4s would cause no traffic disruption. Whilst the project is being constructed, a traffic management plan will be put in place.

Agricultural Land Grading
The land is predicted to be predominately within Land Capability for Agriculture (LCA) Grade 4.1, with a limited area in the north of the site identified as Grade 5.3. Therefore, the proposed development complies with NPF 4 Policy 5b and LDP policy NE13 as it would not result in the loss of "prime agricultural land" or "good quality agricultural soil".

Boosting Biodiversity
A bespoke Biodiversity Management Plan will ensure that the existing and new habitats are enhanced or created to benefit local wildlife. As part of this initiative, our landscape planting, seeding and habitat creation plans will focus on native species. We are keen to hear from and work with any local beekeepers and land management organisations to support wildlife and boost the local habitats.

This map is a combination of Ordnance Survey map reference: NX 68141 63882 and aerial imagery dated [2025]

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Community engagement

It's important to us that the local community are fully informed of the plans for the energy storage project, and have the opportunity to comment and learn about the proposal. We will be holding two consultation events to provide details about our project ideas at this stage, and we welcome your feedback.

The consultation events will be held on

Tuesday 5th August 2025

Thursday 18th September 2025

at Ringford Village Hall

Drop in any time between 3pm and 7pm

Find out more

If you have queries in relation to this project, please contact the project team:

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E | info@lightsourcebp.com (quoting "Bargatton")

WHO ARE WE?

Lightsource bp is on a mission to become a global leader in onshore renewables, anchored by our proven track record in solar development.

We work with utilities, businesses, local communities and governments to help meet the rising demand for affordable, reliable and sustainable energy.

We're dedicated to securing a low-carbon future, and to meeting the dual challenge of an increased demand for energy alongside a need to reduce emissions, in the UK and worldwide.