



# Proposed East Fulwood energy storage project

Lightsource bp is working on a proposal for an energy storage project at Houston Road, Freeland, Erskine, Renfrewshire. We will fund and operate a 400MW / 2,400MWh (6-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



**400MW**  
installed capacity



**160**  
battery containers



**67**  
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...




**Wednesday 6<sup>th</sup> August 2025**



**Wednesday 17<sup>th</sup> September 2025**

at Inchinnan Village Hall

**Drop in any time between 2pm and 8pm**

 Proposed energy storage project at

# Houston Road, Freeland, Erskine, Renfrewshire

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 consultation events on Wednesday 6<sup>th</sup> August and Wednesday 17<sup>th</sup> September at Inchinnan Village Hall. Drop in between 2pm and 8pm.

### Native Species

Ecological surveys have identified the site as predominantly arable farmland with limited biodiversity, bordered by hedgerows of varying quality. A small area of marshy grassland and the Lin Burn watercourse provide more diverse habitats. Appropriate mitigation will be incorporated to ensure compliance with ecological regulations and protect key species and habitats.

### Views and Screening

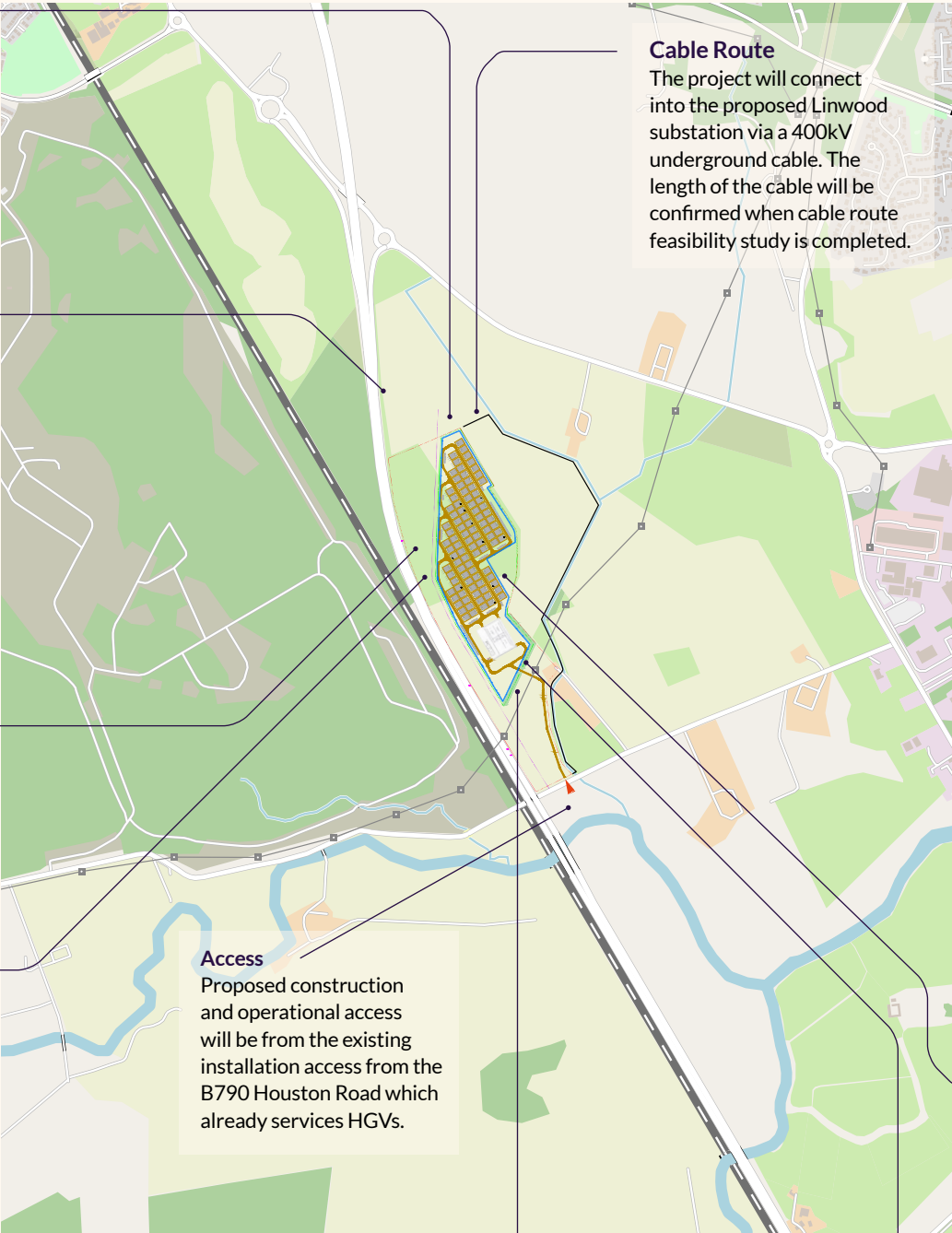
The proposed development is not located within or adjacent to any national or local landscape designations. The site is located within the Green Belt and is not allocated for any specific land uses within the Renfrewshire Local Development Plan. Core Path BIS/32 is located to the northeastern boundary of the site where it runs along the A8 / Greenock Road. The proposed design will seek to ensure that the impacts of the development on the nearby sensitive receptors are minimised through design and screening.

### 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.

### Cultural Heritage Impact

We are aware that there are sites of cultural and scientific impact in the area, and have commissioned independent surveys to make sure our proposals will fully assess the potential for archaeology within the site. These surveys have shown are no designated or non-designated archaeology and heritage assets present 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.



### Cable Route

The project will connect into the proposed Linwood substation via a 400kV underground cable. The length of the cable will be confirmed when cable route feasibility study is completed.

### Access

Proposed construction and operational access will be from the existing installation access from the B790 Houston Road which already services HGVs.

### Flood Risk

A drainage strategy is being developed to ensure that flooding is mitigated on site. We are currently working with the Environment Agency to help evolve the drainage strategy.

### 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, including a berm around the south and south eastern site boundary.

## 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 energy storage project. 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 predominantly within Land Capability for Agriculture (LCA) Grade 3.2, with an area in the north west of the site identified as Grade 5.2. Neither of these are considered to be prime agricultural land.

### 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: NS 45362 67869 and aerial imagery dated [2025]



— POWER LINE  
— SITE BOUNDARY



## 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



**Wednesday 6<sup>th</sup> August 2025**



**Wednesday 17<sup>th</sup> September 2025**

at Inchinnan Village Hall

**Drop in any time between 2pm and 8pm**

## Find out more

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

**T** | 0333 200 0755

**E** | [info@lightsourcebp.com](mailto:info@lightsourcebp.com) (quoting "East Fulwood")



## 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.

