Energy Storage at Bargatton

lightsource bp

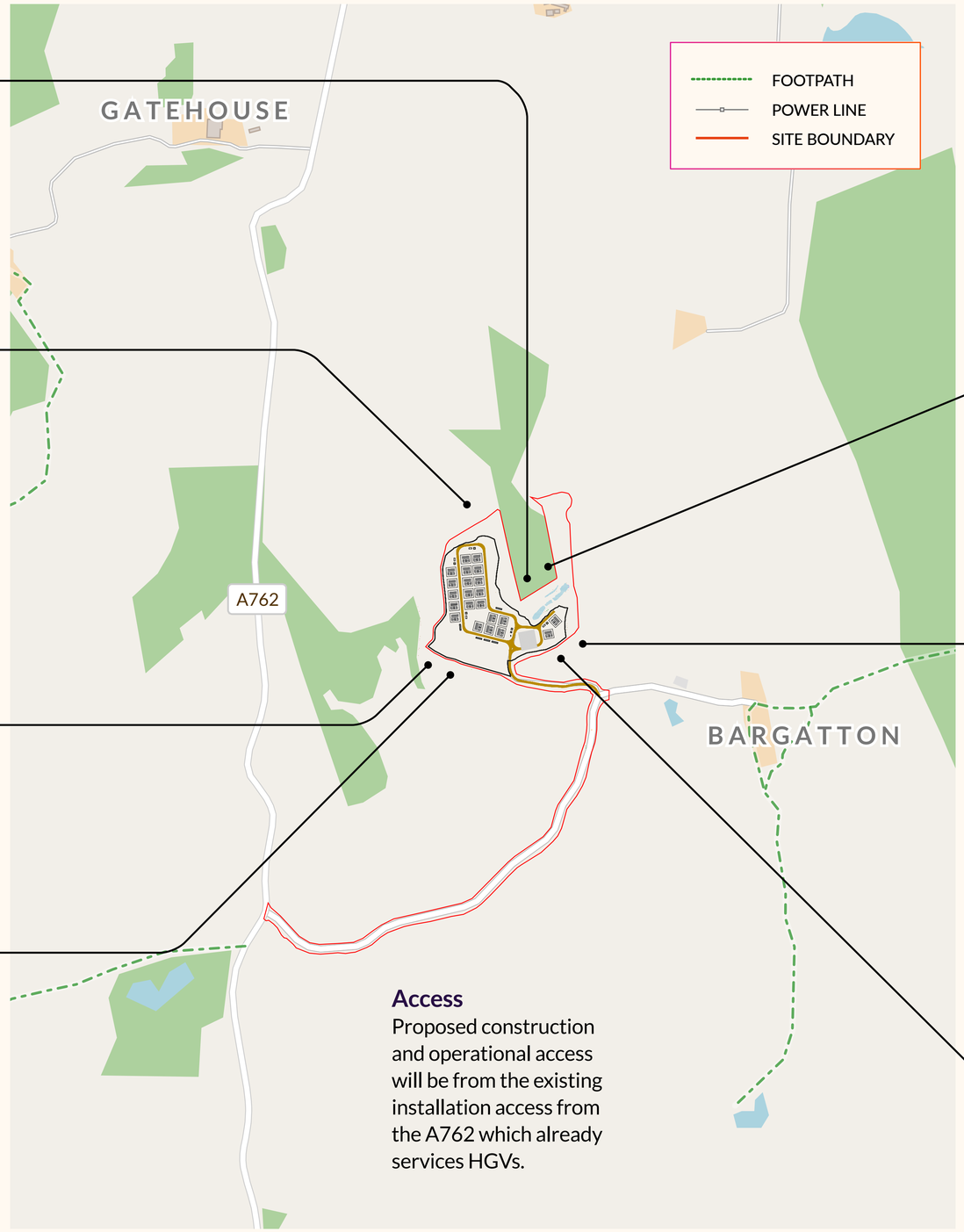
MAP

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.

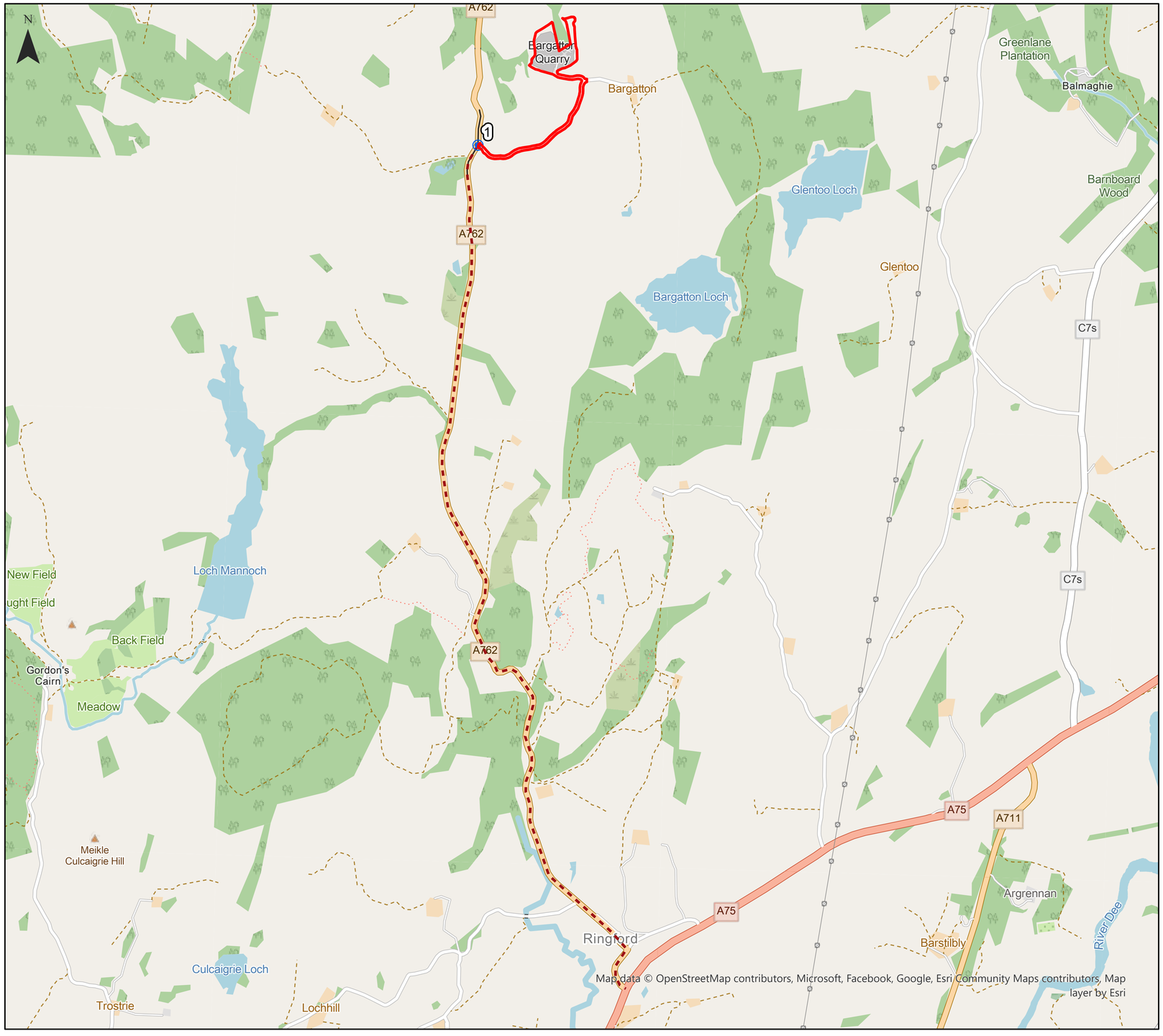
Agricultural Land Grading
The land is predicted to be predominately within Land Capability for Agriculture (LCA) Grade 4.1, with a limited area in the north of the site identified as Grade 5.3. Therefore, the proposed development complies with NPF 4 Policy 5b and LDP policy NE13 as it would not result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

Proposed Haul Route

The proposed haul route has been identified by considering the ability of the route to physically accommodate the required vehicles, in addition to the sensitivity of the route to potential disruption by the movements of traffic to and from the Application Site.

Delivery vehicles will travel along the A75 which is located to the south of the Application Site and turn right onto the A762. Vehicles will travel north along the A762 for approximately 5.9km before taking a right turn into the site access point.



Bargatton BESS
Proposed Haul Route
Figure 5.1

Key

- Development Boundary
- Route Analysis
- Proposed Haul Route
- Condition Survey Extent

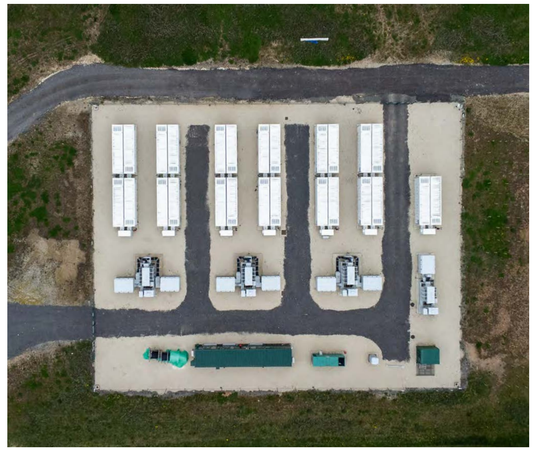
About the Project

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 energy storage is community involvement, we want to hear your views. Members of the Lightsource bp team are on hand to answer any questions you may have.



STATISTICS

100MW
installed capacity

88
battery containers

21
acres of land

40
years operational life

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