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WELCOME TO OUR EXHIBITION

Renewco Power is exploring the potential for a 49.9 Megawatt (MW) battery storage project on land near Milton Farm, Beattock. Following the completion of further planning surveys and assessments, and the feedback received at our last public consultation event in November 2023, the purpose of today is to gather further feedback from local residents on the revised proposals. The feedback collated during this second consultation period will be used to help shape and inform the final design submitted for planning approval later in 2024.

WHO IS RENEWCO POWER?

Renewco Power is a renewable energy developer focused on developing utility-scale wind, solar, and energy storage projects across the UK. Formed of a highly experienced development team who combined have delivered over 3 Gigawatts (GW) of clean energy projects throughout the UK. The team combines commercial, technical, and operational expertise across the clean energy and environmental sectors. Renewco Power believe that supporting the journey to net zero whilst building strong and long lasting relationships with local communities should be at the heart of everything we do.

The Milton Farm Battery Energy Storage System (BESS) Project is run from Renewco Power's Glasgow office.

Scan QR code to access the project website



WHAT WORK HAS BEEN DONE TO DATE?

MONTH	MILESTONE
April 2023	Submitted an Environmental Impact Assessment (EIA) Screening Opinion application to Dumfries & Galloway Council (D&GC) under D&GC Ref. 23/0913/SCR.
July 2023	D&GC confirmed that the proposed development was unlikely to have significant impacts on the environment and would therefore not require an EIA to be submitted with a future planning application.
August 2023	Held a pre-application meeting with D&GC to confirm the list of documents required to be submitted with a full planning application for a BESS project on this site.
October 2023	Submitted a Proposal of Application Notice (PoAN) to the Council under D&GC Ref. 23/2230/PAN. D&GC confirmed their acceptance of the proposed public consultation activities in December 2023.
November 2023	Held first public consultation event at Beattock Village Hall and presented the proposals at Moffat Community Council's monthly meeting.
December 2023	Collated feedback from first public consultation event. The primary concerns raised were around the impacts on flood risk in the local area and the design and management of the site access during the construction period.
March 2024	In response to the feedback received, completed detailed flood risk modelling and site access / civil design work to inform the revised BESS design.





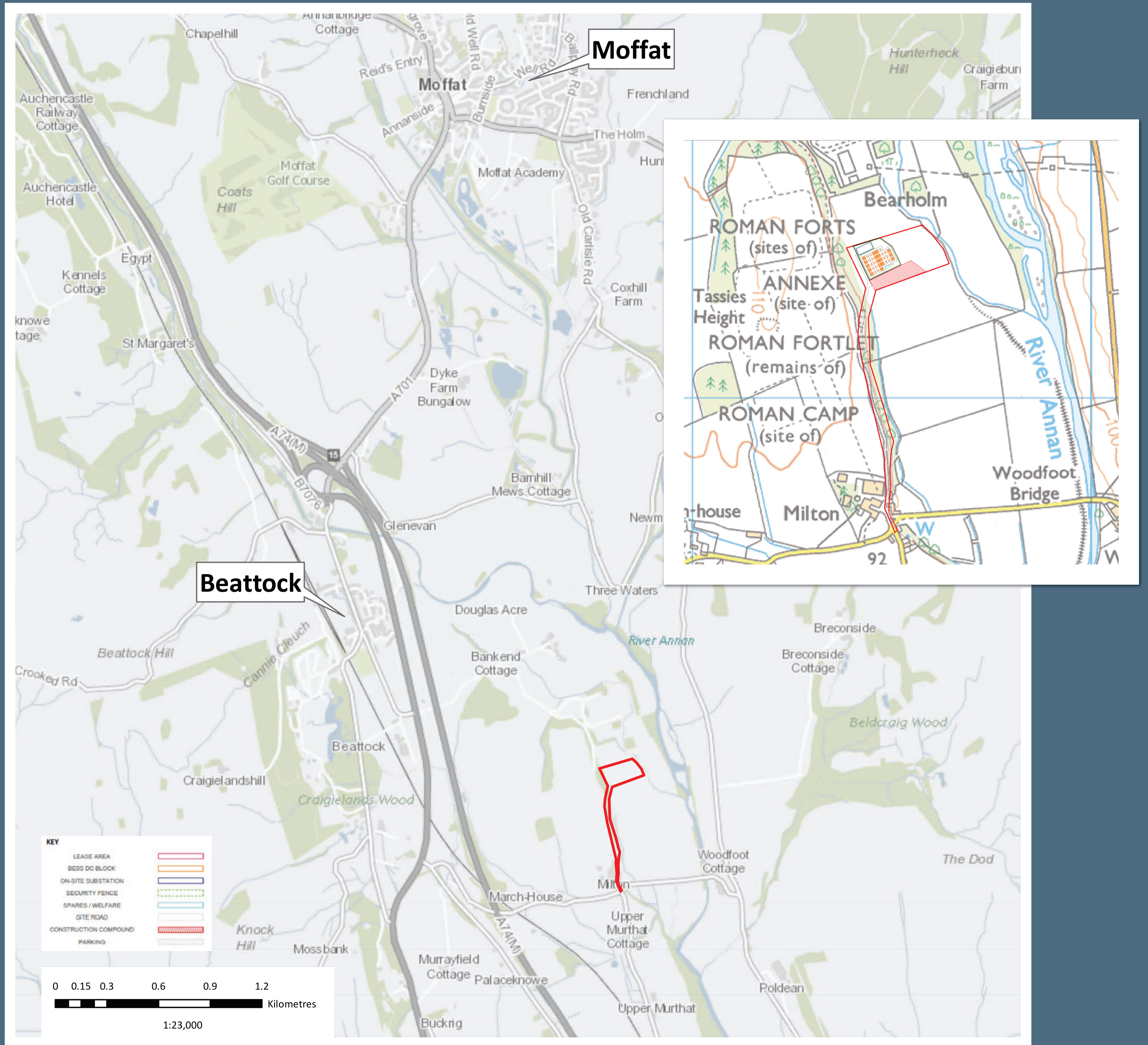
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THE PROPOSED DEVELOPMENT

THE DEVELOPMENT SITE / OUR LOCATION

The proposed development site is in Dumfries & Galloway approximately 3km to the south of Moffat, at grid reference NT 09513 01385, as shown in the image below.



▲ Milton Farm BESS Indicative Layout Plan

The site sits between the River Annan to the east and the A74(M), A701, and Glasgow to Carlisle railway line to the west. The site will be accessed via local road networks, including the B7076, which runs to the west of the site boundary. The main site access will be from the south through Milton Farm.

The site comprises an arable agricultural field, of indicative Class 4.1 capability, bordered by semi-mature deciduous broadleaf trees to the west and east with an access road to the west.

The site is relatively well-screened by the existing vegetation in the form of existing woodland and steep topography to the west and by the 400kV Moffat substation lying in close proximity approximately 200m to the north. Major overhead electricity lines run north to south on the east side of the site.

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WHY THIS SITE?

Following extensive site search, this site was identified for development due to:

- Its close proximity to the Moffat substation, enabling a short and efficient cable route;
- Its location away from nearby sensitive receptors such as local residences;
- The natural screening present in the form of mature trees and other vegetation; and
- Its location on lower grade agricultural land not suitable for food production

Further site surveys and assessments have been completed to inform the final design and layout of the site, including but not limited to the following:

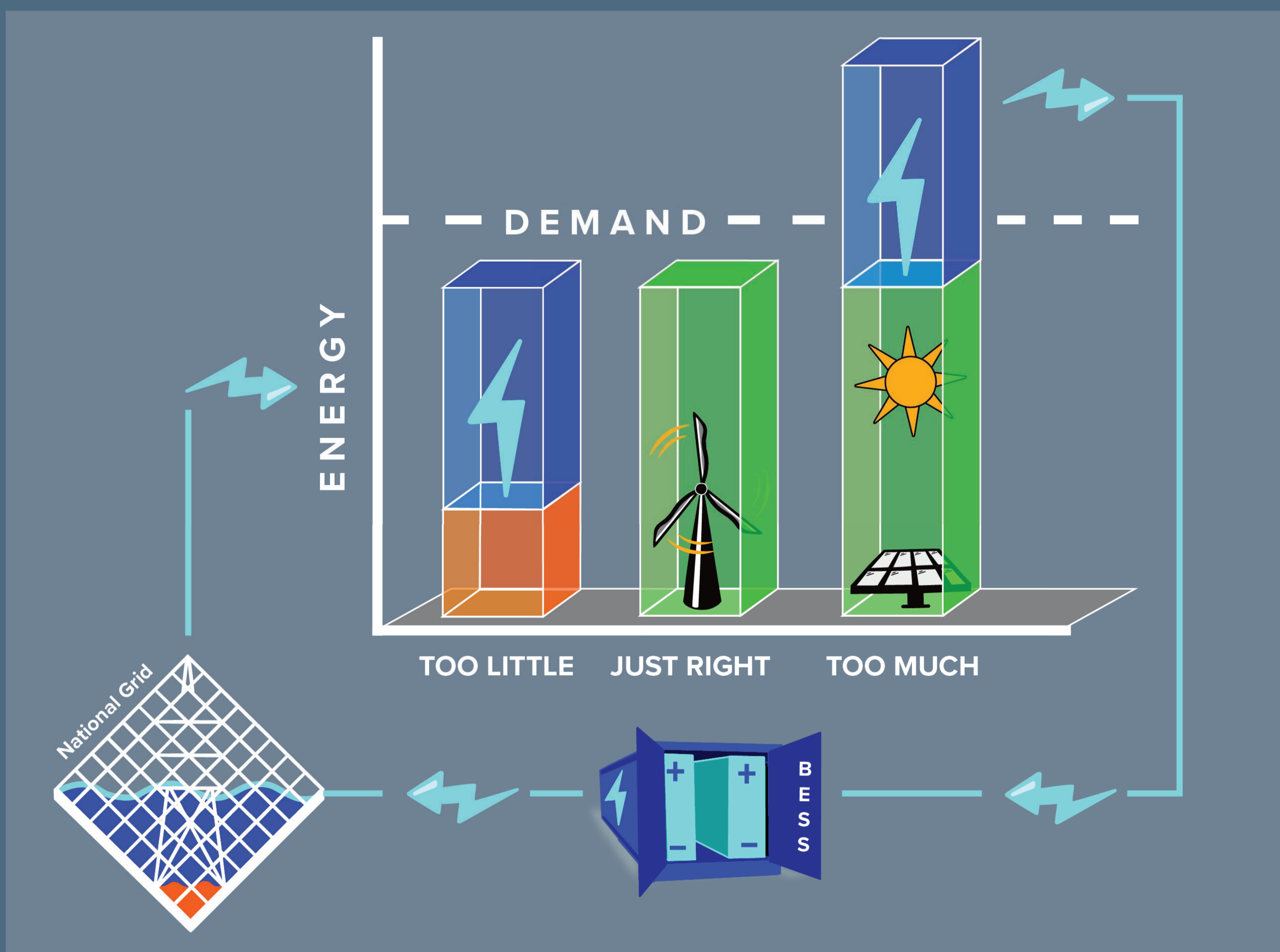
- Ecological Impact Assessment
- Noise Assessment
- Landscape & Visual Impact Assessment
- Cultural Heritage Assessment
- Flood Risk Assessment
- Transport Assessment

These assessments will be available to view on D&GC online planning register as part of any future planning application.

HOW COULD THIS PROJECT BE USED?





THE BATTERY ENERGY STORAGE SYSTEM How does it support the National Grid?

When there is too much energy being produced by renewables, instead of losing that energy, we can store it in the Battery Energy Storage System (BESS).

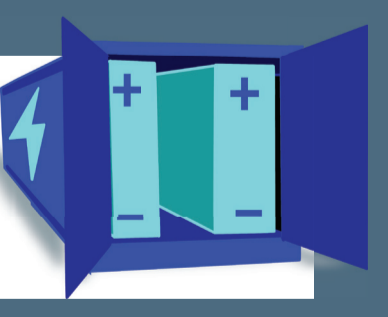


When there is too little energy being produced by renewables to meet the demand, instead of using fossil fuels, we can power the national grid with the energy stored in the BESS when too much energy was being produced by renewables.


Key benefits of battery storage:

-  **More efficient use of energy**
-  **Lower energy bills**
-  **Reduction in CO₂ released**
-  **Help to slow down climate change**

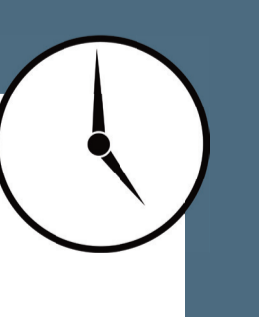
On a single full charge, this project can store

199.6MWh 

Which can power*

20,000 homes 

for

24 hours 

*Calculated using the most recent statistics from DESNZ showing that annual GB average domestic household consumption is 3,239kWh as of January 2024, updated annually.



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THE PROPOSED DEVELOPMENT DESIGN DEVELOPMENT



▲ Indicative Site Layout (November 2023)

▲ Revised Site Layout (April 2024)

CHANGES SINCE LAST UPDATE

- Detailed design of site access has been completed to account for level changes
- BESS compound has been raised on a platform (min. level 87.5mAOD, between 1-1.8m from current ground level depending on position within the site)
- The proposed construction compound area has been moved to the east of the site
- The welfare facilities and parking have been moved to the north of the compound
- The no. of BESS units has been reduced from 68 to 52 whilst still achieving 49.9MWac



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PLANNING SURVEYS & ASSESSMENTS

ASSESSMENT	OUTCOME
Ecology	Ecological surveys have been undertaken at different times of the year to establish the baseline condition of the site in terms of protected habitats and species. These surveys have found that the proposed BESS development will have no direct impact on any protected habitats or species. We will ensure that adequate protection is in place during the construction and operational phases of the project to ensure that there is no harm to any protected habitats or species (to be secured via planning condition).
Noise	Background noise monitoring has been undertaken at nearby sensitive receptors and these levels have been accounted for in the design of the BESS development. The proposed battery units will not cause any increase to existing background noise levels.
Flooding	We have undertaken a detailed river survey and Level 3 flood risk monitoring to better understand the potential flood risk impacts of the proposed development. To ensure that flood waters are not able to impact the BESS equipment, we have proposed a raised platform solution. The raised platform would achieve a platform level of 87.5mAOD, which is between 1-1.8m from current ground level. The detailed flood modelling undertaken has confirmed that the inclusion of a raised platform will not materially affect flooding elsewhere in the floodplain.
Landscape & Visual Impact	Landscape photography was undertaken in November 2023 to ensure trees were not in leaf when considering the potential visual impacts of the BESS (i.e. the “worst-case” scenario). When considering the height of the BESS units (no more than 3m) together with a height of the raised platform. The Landscape & Visual Impact Assessment (LVIA) undertaken has confirmed that the proposed development will not be visible from any sensitive viewpoints in the surrounding area.
Cultural Heritage	The primary sensitive receptor in heritage terms is the “Milton, Roman fort, fortlet & camps” Scheduled Monument (SM676) which lies to the west of the site. The cultural heritage assessment undertaken has concluded that the proposed BESS development will not have any direct impact on the Scheduled Monument itself, and will not have any indirect impact on its setting due to intervening woodland and other vegetation.
Transport	<p>Further detailed assessment of the site access route, including swept path analysis, has recommended the use of passing places along the route to ensure that HGVs and other traffic are able to pass safely. It has also been designed to account for changes in ground level, ensuring a safe gradient for HGVs is maintained along the route.</p> <p>It is still proposed to route construction traffic from Jct. 15 of the A74(M), along the A701 to the south, before briefly joining the B7076 to the east and then on to the unnamed road towards Milton Farm.</p>

ENVIRONMENTAL, SOCIO-ECONOMIC & COMMUNITY BENEFITS

The battery storage proposal will deliver various other benefits to the local and wider community, including but not limited to the following:

- A total investment of approximately £50 million
- Opportunities for local businesses to support during construction
- Direct inward investment to local retail and accommodation businesses during construction
- Storage of intermittent renewable energy for use during periods of peak demand
- Supplying grid balancing services to reduce the potential for blackouts and other faults
- Allow the use of pre-generated renewable energy and reduce reliance on imported fossil fuels
- Provision of ecological enhancement in accordance with the recommendations of a chartered ecologist





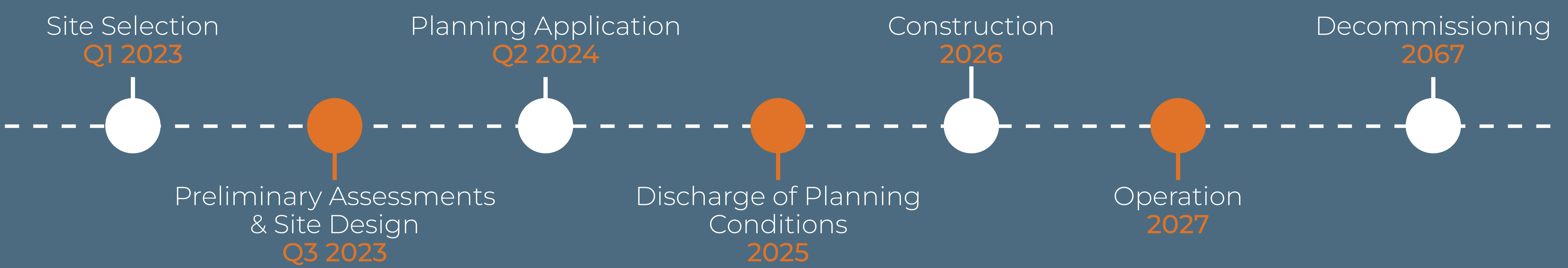
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GIVING YOUR FEEDBACK & NEXT STEPS

After today and over the next few weeks, Renewco Power will consider all comments received at the consultation event and will use these to inform the final design where possible. Once we have incorporated the recommendations included in all the technical and environmental assessments undertaken, we will finalise the design and submit a planning application on this basis. The assessments and feedback received will be available to view on Dumfries & Galloway's online planning register once the planning application has been validated.

INDICATIVE DEVELOPMENT TIMESCALE



GIVING YOUR FEEDBACK

We would like to invite local residents to use the comments sheets provided to give us your feedback on our proposals, and to make suggestions. All responses from today's event will be carefully considered, and we welcome all feedback.

CONTACT US AT

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