



# Renewco

## P O W E R

## MILTON FARM BATTERY STORAGE PROJECT

### 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. We are still in the early stages of development, and the purpose of today is to gather feedback from local residents on the indicative proposals we are presenting to you today. The feedback collated during this initial consultation period will be used to help shape and inform our proposals. The updated plans will be presented during a further event in early 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 3GW 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 Project (BESS) is run from Renewco Power's Glasgow office.

Scan QR code to access  
the project website



### WHAT WORK HAS BEEN DONE TO DATE?

We submitted an Environmental Impact Assessment (EIA) Screening Opinion application to Dumfries & Galloway Council (D&GC) earlier this year under D&GC Ref. 23/0913/SCR. D&GC confirmed in July 2023 that, in the view of the Council, the proposed development was unlikely to have significant impacts on the environment and would therefore not require an EIA to be submitted alongside any future planning application.

We are now conducting a series of surveys and assessments of the site, alongside a programme of public consultation activity, to inform the final design and layout of the proposals. Following this iterative design process, it is envisaged that a planning application would be ready to submit to D&GC for determination in early 2024. The community will be kept informed at each critical milestone and their views will be sought throughout the process.





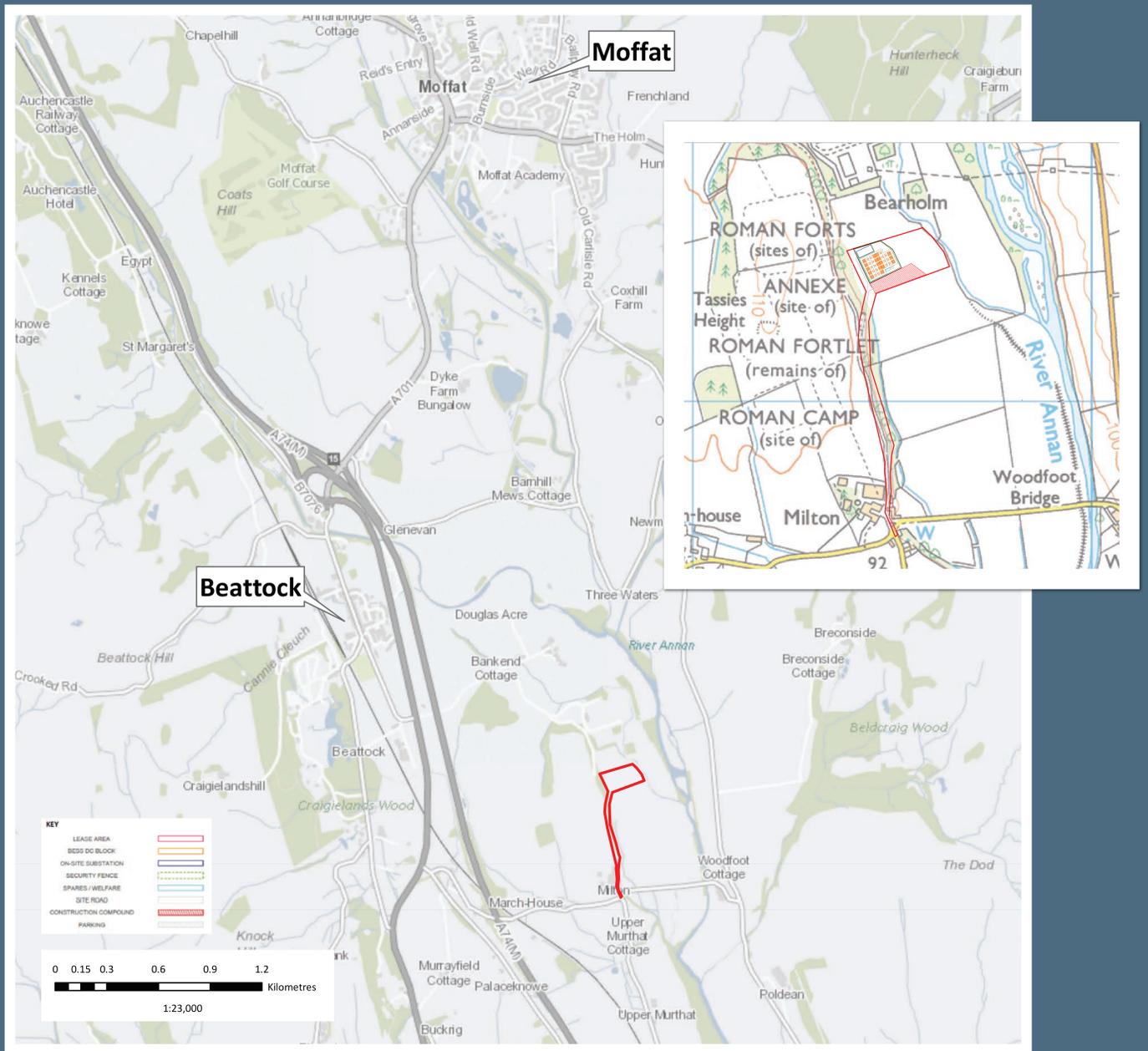
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### THE DEVELOPMENT SITE

#### 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. A minor watercourse lies to the east which is a tributary of the River Annan.

The site is relatively well-screened by the existing vegetation in the form of mature 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 are currently underway to establish the baseline conditions of the site, the results of which will shape the final design and layout of the site.

The suite of surveys we are undertaking include, but are 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.

### WHY IS THIS PROJECT NEEDED?

As fossil fuel sources of electricity (such as coal-fired power stations) are decommissioned, new renewable sources of dispatchable power need to be constructed. These will not only replace existing dispatchable power but will also help to support the optimal use of renewable energy sources such as solar farms and wind turbines which provide power intermittently based on local weather conditions.

Battery storage provides a way to store excess energy generated from renewable energy sources for use at times of high demand and low renewable output.

Batteries are able to import and store electricity from the National Grid network and export electricity when needed.

This 49.9 MW battery storage project could have a storage capacity of up to 199.6 Megawatt Hours (MWh) per full charge depending on the technology used. At full power output, this facility would therefore be able to generate for four hours, contributing to security of supply for our power system over the peaks in demand throughout the day.

For comparison, the average UK household uses around 3.7 MWh of energy across an entire year and around 10kWh per day, with a maximum instantaneous usage of around 0.8kW. On this basis, a single full charge could provide sufficient energy to power around 20,000 homes for a day, or provide instantaneous power to over 62,000 homes. In reality, this energy storage facility will be used to provide services and balancing capability to the wider National Grid network, and operate dynamically in the GB energy market.







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### SOCIAL ECONOMIC & ENVIRONMENTAL BENEFITS OF THE PROPOSALS

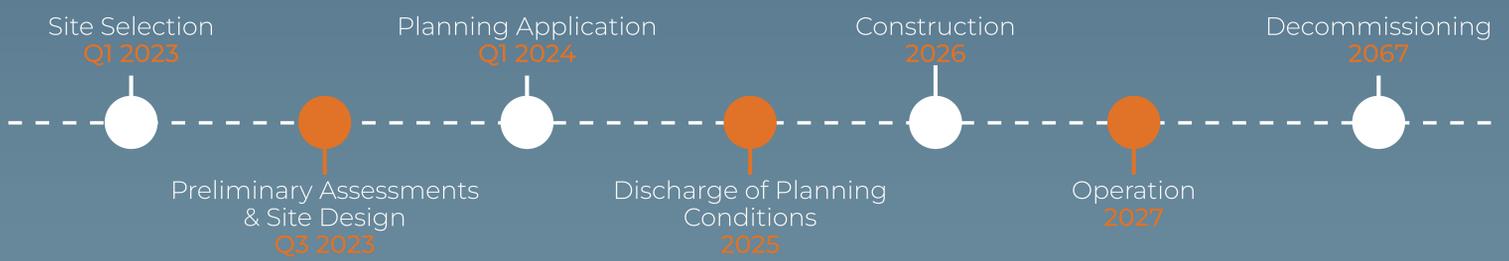
The battery storage proposal will deliver various other benefits to the local and wider community, including but not limited to the following:

- 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.
- Installation of surface water management measures to reduce potential flooding; and
- Provision of ecological enhancement including but not limited to hedgerow infilling and bat / bird boxes.

### WHAT HAPPENS NEXT?

After today and over the next few weeks Renewco Power will consider all comments received at the consultation and use these to inform the design where possible. Once we have completed all technical and environmental assessments we will be in a position to share a more detailed design, which we will again consult on prior to submitting a planning application early next year. An indicative timeline is set out below.

### INDICATIVE DEVELOPMENT TIMESCALE





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### 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.

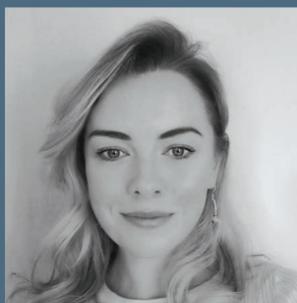
A follow-up consultation event is planned for January 2024 to illustrate how we have responded to feedback from residents received today. Further details of this event will be shared nearer the time.

#### CONTACT US AT

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