

# About the project

In June 2024, we submitted a Proposal of Application Notice (PoAN) to Angus Council for a 49.9MW solar development on land at Fallaws Farm in Arbirlot, which is approximately 5km west of Arbroath. The land is currently used for arable farming.

The proposed development could produce enough energy to power around 15,000 homes<sup>1</sup>. The site was chosen because it has good solar resource, no ecological constraints, straightforward access and has a viable grid connection. If the solar farm is developed, the energy generated will be connected via a new 33kV link to the Arbroath substation.

## Design evolution

We held our first round of public consultation in June and are grateful for the feedback received from the community at our event and via our website. Following this feedback period, we have completed further surveys and assessments on the site. The findings from this work, together with feedback from the first round of consultation, has resulted in a number of design changes, which are set out as part of this second round of consultation.

RES is proud to have been innovators in the development of the global renewable energy market and we continue to seek new and pioneering ways to improve the efficiency and generation potential of our schemes.

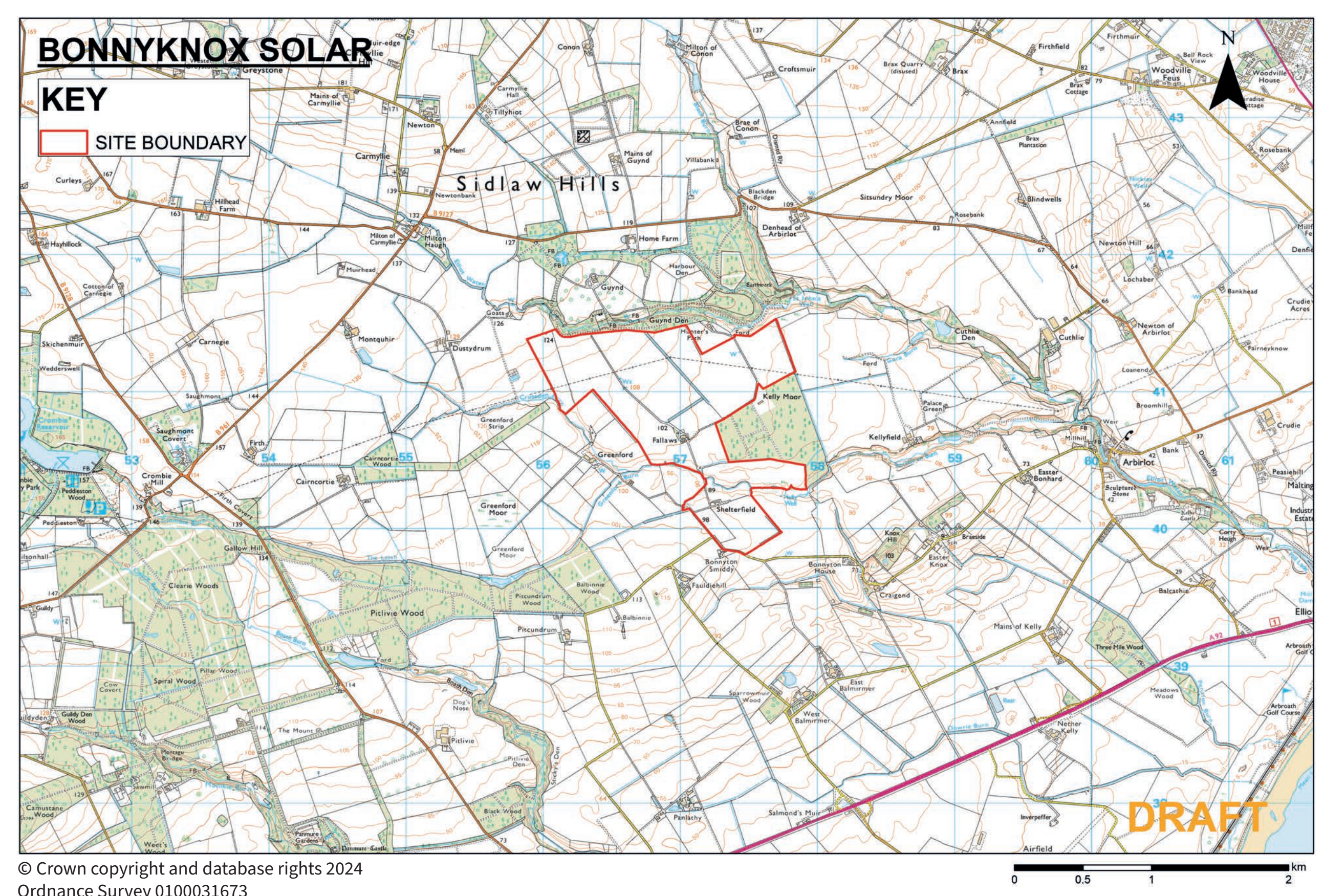
Following recent technological and commercial advancements, we propose to include battery storage units as part of the proposed

development to help increase the flexibility and generation opportunities for Bonnyknox Solar Farm.

Energy storage will play a key part in managing the increasingly complex supply and demand needs of the 21st century. The grid network must be finely balanced; electrical demand must match electrical generation at all times. If this balance is not achieved, it can lead to blackouts and the failure of grid circuits.

The addition of battery storage units would enable excess generation from the solar farm to be stored, then released back to the grid network during times of no or low generation from the solar panels, for example during winter.

This proposal will have an installed generating capacity of less than 50MW, and so the application will be considered and determined by the local planning authority – which in this case is Angus Council. We currently hope to submit an application around Winter 2024.



<sup>1</sup>The homes figure has been calculated by taking the predicted annual electricity generation of the site (using an average solar capacity factor of 11.2%) and dividing this by the annual average electricity figures from DESNZ showing that the annual GB average domestic household consumption is 3,239 kWh (January 2024).

## Bonnyknox Solar Farm

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