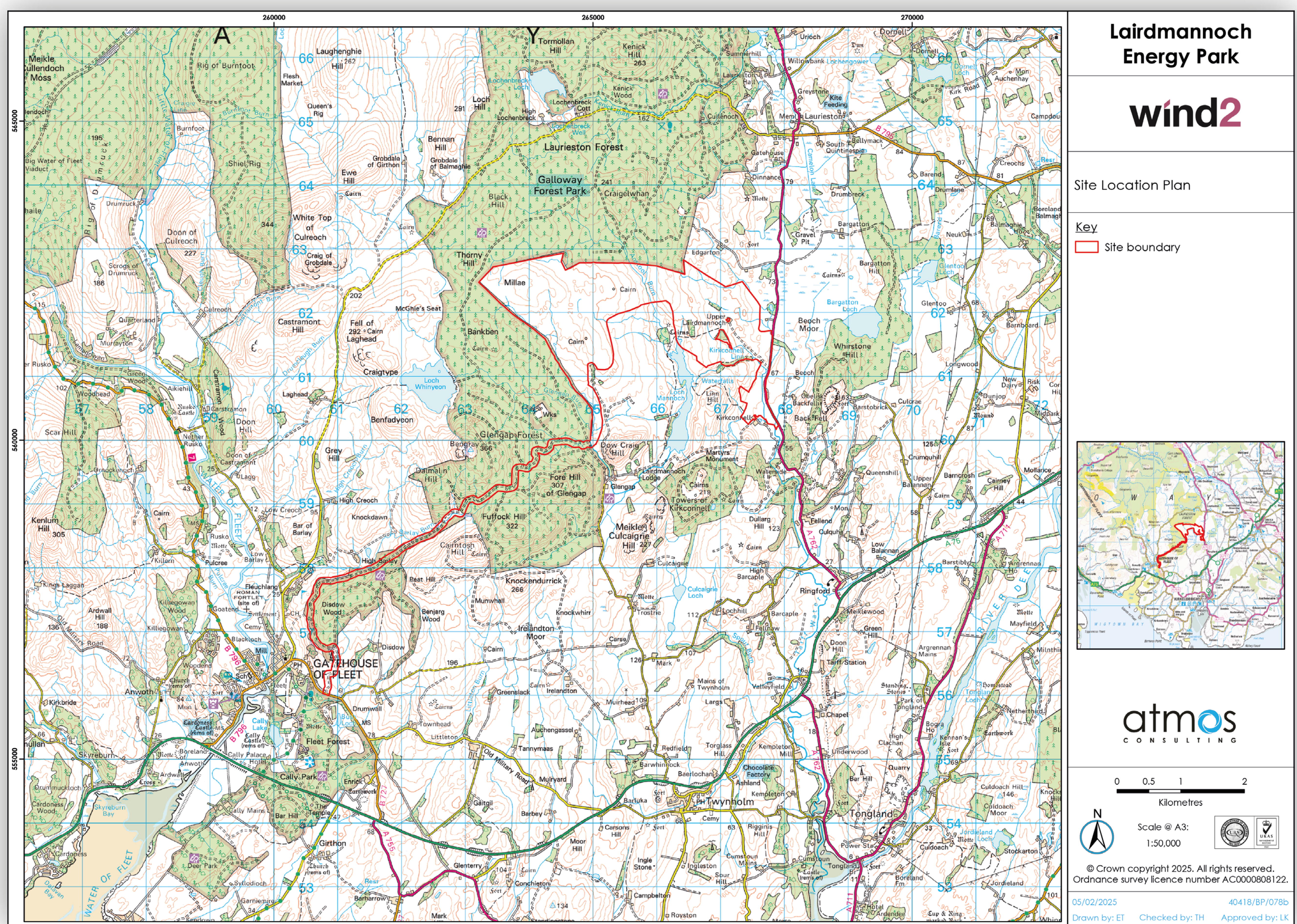


Lairdmannoch Energy Park

About the Project



Occupying an area of approximately 405 hectares of predominately sheep and cattle grazing land, Lairdmannoch Energy Park, if consented, will be located approximately 7km northeast of Gatehouse of Fleet and 10km west of Castle Douglas.

The proposed energy park will consist of up to nine wind turbines (up to 180m tip height), ground mounted solar panels, access tracks, and associated infrastructure. The energy park will also feature battery storage, helping maximise the effectiveness of integrating the low carbon power that is generated.

The estimated capacity of the project is anticipated to be 100MW (comprising of up to 60MW wind, 20MW solar and 20MW battery storage).

Based on the above, the project has the potential to generate 222,254 MWh* of electricity annually, equivalent to meet the needs of approximately 67,451 homes, while offsetting approximately 96,013 tonnes** of CO² per annum.

The location of the proposed energy park is appropriate as it features:

- Good on-site wind speeds
- A commercially viable grid connection with available capacity before 2030
- Located outwith any international, national or local landscape related planning designations
- Sufficient on-site solar radiation intensity
- Opportunity to deliver enhanced biodiversity

*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)

**DESNZ's "all non-renewable fuels" emissions statistic of 437 tonnes of carbon dioxide per GWh of electricity supplied in the Digest of UK Energy Statistics (July 2024) Table 5.14 ("Estimated carbon dioxide emissions from electricity supplied")

View this information via the QR code below:



wind2

lairdmannochenergypark.co.uk

