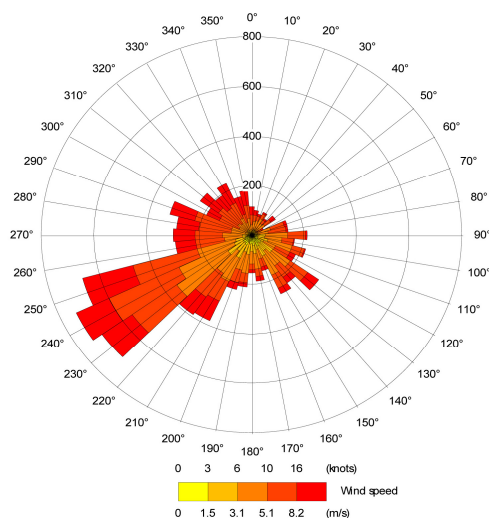
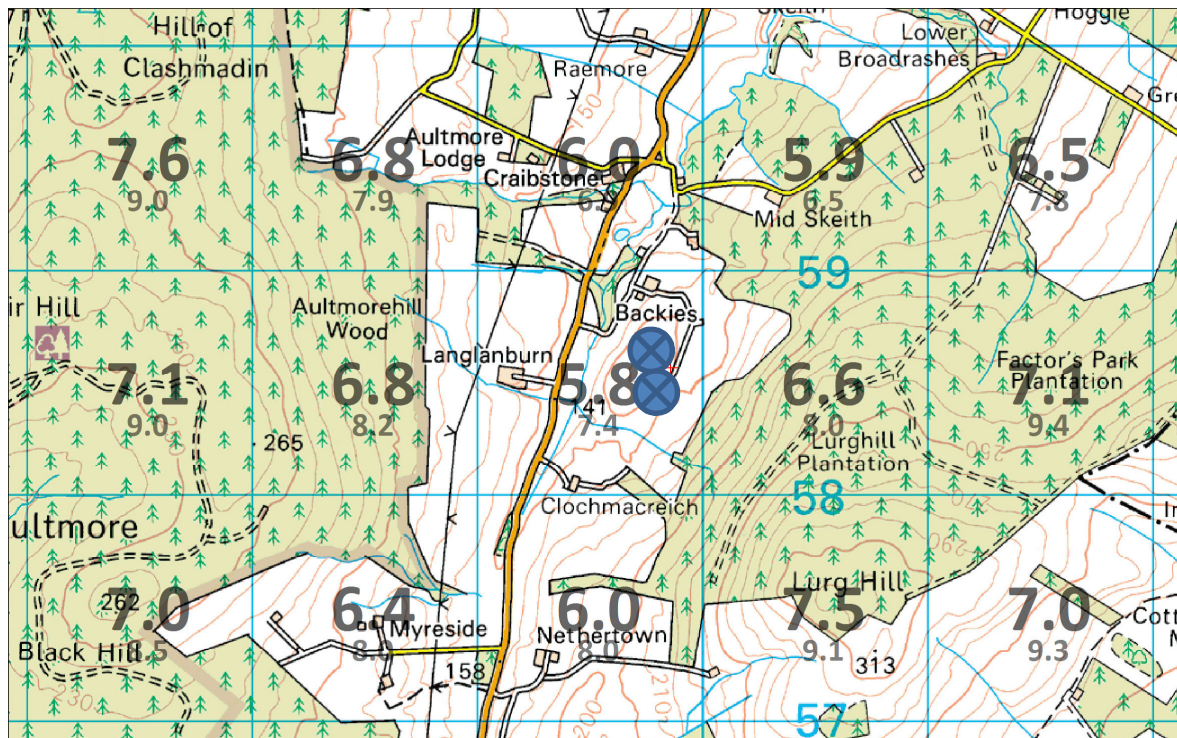


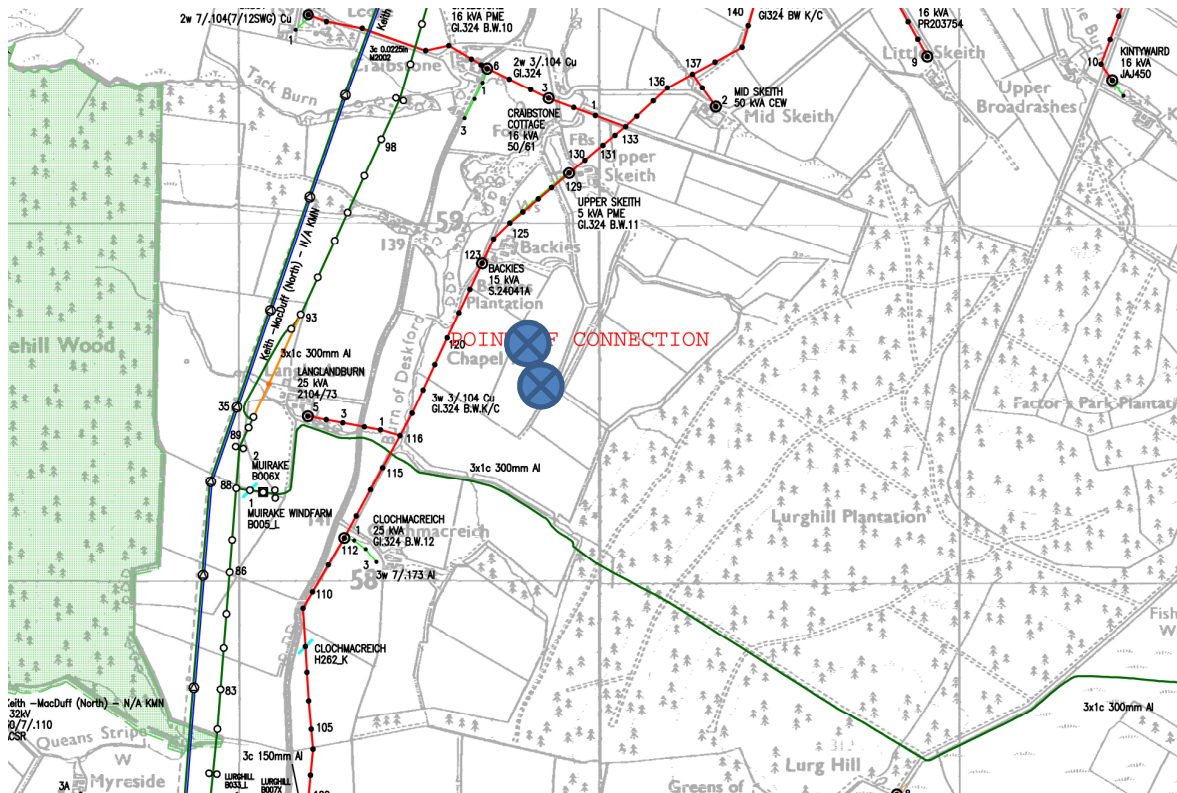
Wind resource

The National Climate Information Centre (NCIC) estimates a mean wind speed of approx. 5.8m/s for the grid square within which we propose to site the turbines. This data set is produced by the Met Office and has more observation sites over a longer period of time (220 stations over 30 years) than the older NOABL wind speed data (56 locations). The NCIC data also takes into consideration an approximation of ground roughness. The above map represents both NCIC (large number) and NOABL (smaller number) wind speeds. The prevailing wind speeds are from the south-west.



Grid connection

The Distribution Network Operator (DNO) for Backies Farm is Scottish and Southern Energy (SSE).



The above map shows the existing 3 phase grid network in the area in addition to the desired point of connection (POC). There is three phase supply within the land boundary and all work can be carried out upon the landowner's boundary.

Going forward we will obtain a connection offer from SSE for the connection of the turbine at the POC. From this point cabling would be taken underground (where practicable) to the turbine location.

Connection from the turbines to the grid shall be via a small transformer / metering hut and the cables will be laid underground until point of connection pole (further negating potential for visual impact).

Access

Access would be via the A96 from Aberdeen and then the A96 from Keith and then onto the B9108 at Auchinhove, then diverting onto an existing local track serving Backies Farm at Langlanburn - as shown below and then onto the proposed temporary access farm access track as indicated on the below map. The transport vehicle for the delivery, installation and decommissioning of the wind system would be one standard 40-foot articulated flat-bed trailers (a vehicle size that is normally found on these roads) and as such are of a size and capacity not categorised as 'abnormal loads' by the Highways Agency. In addition to this, no road network upgrades or maintenance would be anticipated along the proposed delivery route or junction.

