Construction & Transport

PROPOSED ACCESS TO SITE

Access routes have been assessed for the transportation and delivery of turbine components. The preferred option for delivery is illustrated on the map below, routing from Port of Nigg to site.

The turbine components would then be brought to site by abnormal loads vehicles northwards via the A9, A839, A836 and A838 with police escort.

Other traffic movements associated with construction (e.g. concrete and aggregate) will be dependent on the location of the nearest supplier.

CONSTRUCTION PHASE

We appoint specialist contactors and use local suppliers, where possible, to construct our wind farms. The entire process is overseen by our finance and construction teams who have considerable experience in the construction process.

The entire construction period for a wind farm typically takes approximately eighteen months, depending on the particular site. Work starts with the formation of the site access, followed by the laying of the internal access roads and the turbine foundations. These works make up the bulk of construction activity.

During the construction period, on-site working hours would be controlled though planning conditions set out by the local planning authority. Construction traffic associated with the development would also be managed through a Traffic Management Plan. This is typically required as part of a planning condition and would be agreed with the local highway and planning authorities, prior to construction.

COMMISSIONED & CONNECTED

Once a wind farm has been commissioned and is operational, electricity would be exported from the site to the electricity network to power homes and businesses.

Modern wind turbines are fully automatic, continually reconfiguring themselves to extract the most energy out of the prevailing wind conditions and are managed using remote communication from an off-site operations centre.

WHAT ARE WE DOING TO MINIMIZE EFFECTS?

During the course of the Environmental Assessment, a number of topics will be assessed, and while a worst case will need to be demonstrated, we can look at reducing the overall traffic movements, this can be achieved by:

- Sourcing stone from on site borrow pits
- Plan timings of turbine delivery
- Separate general construction traffic from turbine delivery route
- Liaison between locals and contactors during construction
- Local publicity and advertisement of construction details

EnergieKontor