

Design and Access Statement

The application relates to a building, which forms part of Falconers Hill Infants School. The Building is located to the east of the Ashby Road, to the north of Daventry Town Centre. The building sits on higher ground as it rises out of Daventry. The building is not in a Conservation Area and neither is the Building listed. The site is mainly surrounded by residential development with Sports grounds to the south and east.

The application is for the installation of a micro wind turbine to the south elevation of the main building. The main considerations in determining the location are as follows:

- Wind speed
- Visual impact, and
- Educational use.

The wind turbine is of a standard design as supplied by the manufacturers who are donating the turbine as the school won a countywide environmental awareness competition. The school did not have any control regarding the design.

The turbine has to be situated so to minimise the maximum wind speed and therefore needs to be in an open position and as free from any structures. It was considered that the south elevation facing into the valley, and without structures to the front, would be the best position to take advantage of the wind.

Wind turbines due to the need for them to catch the wind need to be located in prominent positions. The turbine will be visible from surrounding vantage points but this can be of benefit. The visibility of the proposal would raise the profile of sustainable energy.

It is intended to use the prominent position of the wind turbine as an educational tool informing the children about renewable energy and raising the profile with the children and parents. The chosen position would be adjacent to the school playground making it easily accessible.

The Turbine generates a DC current, which is transformed to AC by means of an inverter, this feeds directly into the mains electricity supply through a fused spur. The Inverter has a display so children will be able to see how much energy is being generated.

Due to the nature of the application there are no landscaping or access considerations. The scale and amount of development are also not considered relevant.