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Honeywell House, Centre for Sustainable Construction and Renewable Energy Technologies

Addendum to Planning, Design and Access Statement

This statement deals specifically with Planning Policy EC 10 and should be treated as an addendum to the Planning, Design and Access Statement originally issued on the 12th February 2010 for the application for full planning permission for the erection of the Centre for Sustainable Construction and Renewable Energies.



Planning policy EC 10 Statement

The project has been planned over the lifetime of the development to limit carbon dioxide emissions and to minimize vulnerability and provide resilience to climate change by the very nature of the development itself in that the project is for a Renewable Energy Centre which will be unique to the Yorkshire and Humber region and that provides training to a variety of different user groups.

The project aims to:

- Be a 'flagship' within the low carbon sector achieving a BREEAM excellent rating by utilising the existing and emerging green technologies in its construction.
- Act as a catalyst for knowledge transfer to inform the general public, school leavers, current construction workers and SME's on the what technologies are available in the environmental sector, the benefits of them and how to practically apply the technology within new and existing structures stimulating a cultural change within the construction sector, as well as the general public.
- The centre will be a hub linking key stakeholders and therefore it will form a key part of the knowledge transfer to support construction companies, product developers, architects and planners to design and deliver projects that reduce and mitigate greenhouse gas emissions and enhance economic performance. This will attract new businesses engaged with sustainable construction and renewable energy to the region, and will become a valuable source of both new ideas and a skilled and knowledgeable workforce.

The 'U' values of the external envelope are well below the current standard Building Regulations Part L2 and the walls use sustainable technologies such as straw bale and lambs wool walling along with single skin high thermal resistance blocks with insulation and lime render (which is used for its low CO² emissions). The building will be a learning tool and will play host to a variety of headline sustainable technologies such as wind turbines, passive ventilation, storm water management such as SUDS, air source heat pumps, evaporative cooling and extensive sedum roofs.

The building is a training centre and can be accessed via a number of ways such as walking, cycling, the car and public transport. It is sustainable in the fact that it achieves BREEAM credits for transportation due to links to public transport on Old Mill Lane and this is accessed via a footpath given planning permission by BMBC in 2006 over land to the north east which is subject to a way leave agreement. The College also operates a Green Travel plan (which was submitted as part of the application) which identifies how they manage the travel of their students and staff around their estate. The car parking provision shown on the proposals is for predominantly staff and visitors. The students using the centre will mainly come on foot and public transport.

Again the nature of the building will assist in the economic and physical regeneration of Barnsley and its environs in that the courses it will offer will provide specialist training and skills which will benefit the 14-19 year old cohort and this will also involve people from deprived areas working on future sustainable projects which will improve and adapt the areas they originate from ie they will be able to give something back socially.

The building itself will generate not only additional jobs within the College but will also fill a void and gap in skills in Renewable Technologies for many years to come and due to legislative changes including the Climate Change Act, it is forecast that demand for environmental technologies will grow significantly, increasing the sector by 45% in Yorkshire and Humber within 8 years, creating an estimated 30,000 additional jobs. Consequently 73% of employers believe they will be unable to recruit people with the knowledge and experience required to work in this sector. Therefore this facility will have a profound effect on employment in the area.