

Our ref: 21219

The Chief Planning Officer
Vale of Glamorgan Council
Planning Enquires
Dock Office
Subway Road
Barry
Glamorgan
CF63 4RT

Via: Planning Portal

Dear Sir/Madam,

The proposal will include the removal of the existing 14m monopole to be replaced with a 20m slim line lattice tower with 6 no. apertures (or “airspace”) measuring 3m x 0.55m, each of which can house 2 no. antenna.as per the accompanying drawings to facilitate the required upgrade to maintain and advance the telecommunications network in the area at Unit 10, Priority Business Park, Ty Verlon Industrial Estate, Barry, Vale of Glamorgan, CF63 2BG

Please find included an application for full planning permission, on behalf of MBNL, H3G (UK) Ltd and EE (UK) Limited for a 20m replacement lattice tower and associated equipment at the above location.

As part of EE (UK) Ltd.'s and H3G (UK) Ltd.'s continued network improvement program they wish to upgrade the existing site to facilitate additional coverage and capacity requirements, incorporating not only 4G but also 5G technology. Edition 7 of the Planning Policy Wales and TAN19 sets out the Government's general overview regarding supporting high quality communications infrastructure, recognising that advanced, high quality communications infrastructure is essential for sustainable economic growth. In order to keep the number of base stations to a minimum, the use of existing sites is considered to provide the optimum solution and accordingly the proposed site upgrade should be viewed positively. As such, no alternative locations were sought in this instance.

Base stations use radio signals to connect mobile devices and phones to the network, enabling people to send and receive; calls, texts, emails, pictures, web, TV and downloads. Without base stations, mobiles devices and phones will not work.

Many other everyday items also use radio signals to send and receive information, such as television and radio broadcasting equipment and two-way radio communications. Base stations are connected to each other and telephone exchange buildings by cables or wireless technology such as microwave dishes, to create the network. The area each base station covers is called a “cell”. Each cell overlaps with its neighbouring cells to create a continuous network. The size and shape of each cell is determined by the features of the surrounding area, such as buildings, trees and hills which can block signals. When people travel between cells, the signal is transferred between base stations without a break in service. Each base station covers a certain area only and can only handle a limited number of calls at once. As mobile phones and devices become more popular, more base stations are needed to ensure continuous coverage.

This application follows pre-application consultation dated 13th February 2019. It is now proposed to upgrade the existing 14m monopole with a 20m lattice tower to allow for the change in antenna types required to deliver the latest technologies discussed above. The proposed increase in height is the minimum capable of providing the technological improvements sought. It is imperative that support is given to the introduction of 5G technology as this will allow networks to be able to handle more data and connect more devices simultaneously at much faster speeds than is possible using the existing technology. This will enable places to remain competitive in and will support the Government's ambition for the UK to become a world leader in 5G technology.

In support of the application the following information is enclosed:-

- Planning Application form and relevant certificates
- Planning drawings, 002, 100, 150, 215, 265
- Prescribed fee - £385.
- Supplementary Information Template
- ICNIRP

In selecting the site, the applicant has had regard to national and local planning policies, the site context, potential alternative solutions, visual impact, health and safety considerations as well as operational need. It is considered that the application site and the proposed form of development provide the optimum solution in this instance.

Should you have any queries in respect of the information submitted or indeed require any further information, please do not hesitate to contact me. In the meantime, I await your earliest positive response.

Yours Faithfully,

George Oliver
Senior Planning consultant
PHA Communications
Email: George.Oliver@beaconcomms.co.uk

For and on behalf of MBNL, EE (UK) Limited and H3G (UK) Limited