BUXTON POWER LIMITED

Design and Access Statement

for the

construction of a 16mw

flexible electricity generation unit

for Short Term

Operational Reserve (STOR) capacity at

Waterswallows Road, Buxton

NOVEMBER 2013

Proposed Use

This application is for the development on established brownfield industrial land at Waterswallows near Buxton of a 16mw Flexible Electricity Generation unit for Short Term Operational Reserve capacity (STOR).

Amount:

The site area is 0.25ha. The development comprises 8 x 2mw diesel powered generators, 4 transformers, 3 x 40,000 litre fuel tanks, a steel switchgear container and a brick-built metering substation. Underground cabling will connect the installation to the grid connection point nearby.

Layout

The application site forms the western section of a larger industrial landuse area and former quarry working. The generator sets are located towards the rear of the application site, together with the transformers and fuel tanks, with the switchgear container and the metering substation at the front.

Scale

Dimensions of all components of the proposed development are shown on the relevant drawings forming part of the application. The highest element of the generation plant is 3.4m. The metering substation is 5.33m to the ridge.

Landscaping

The western boundary of the application area comprises a low bund surmounted by a mixture of mature ornamental and broadleaf trees and understorey vegetation. A gap in the above bund and planting will be closed with on-site arisings, soiled and planted with trees to complete the screen (specification to be subject to pre-condition agreement). No further landscaping proposals are deemed necessary as the southern and eastern boundaries of the site are screened from external view by existing topography.

Appearance

The site will be enclosed within a 2.4 m high steel palisade fence. The generators, transformers and fuel tanks will be screened from external view by a 4m high timber panel acoustic fence on the west and northern elevations.

The metering substation will be constructed in brick (style to be subject to precondition agreement) and textured GRP pitched roof. The colour of the switchgear container is to be subject to precondition agreement.

Access

The application area is set back from the public highway. It is accessed direct from the public highway across the existing industrial entrance serving the larger site of which it is a part. Vehicles visiting the site will thus be able to exit the highway before gaining access to the application area. Fuel delivery vehicles will access the compound via a gate in the steel palisade fence and an internal access track along the western edge of the site.

Access to the metering substation will be via steel double doors direct from the access apron, together with a pedestrian door in the gable end elevation. Access to the steel switchgear container will be by container door.