

Design and Access Statement

NYMNDPA

16 SEP 2014

Introduction

This planning application is for the installation of 32 solar PV panels which are to be installed within the domestic curtilage of Trattles Hall, Newlands Road, Cloughton YO13 0AR.

The 16 panels are to be install on 'A frames' to the rear of the property to the rear of the garage and have been designed with symmetry in mind and to cause a low impact on the surrounding environment.

The Design of the and character of the Development

The design of the installation takes into account the best possible use of irradiance to produce the maximum yield of electricity. The panels will be angled on the 'A frames' to a 30 degree angle. The frames themselves will be set on concrete lintels to ensure they are secured to the ground. These can be easily removed at the end of their life with no lasting effects on the garden below.

The design has been carefully planned and will not be visible from any highways or public rights of way and will not be seen by neighbouring properties. This is taking into account the location within the National Park and the significance of the area.

Movement to and from and within the Development

Access for the installation will use the existing highways with no alteration to the current access. There is no change to existing access and available parking. The installation is within the domestic curtilage. The installation is not accessible from public rights of way.

Environmental Sustainability

Apart from some minor disturbance during the installation, which will be less than 1 week, the system is a 'fit and forget' system with no ongoing maintenance requirement.

The electricity generated primarily is used to power the property in the first instance, with any excess electricity produced exported to the national grid. This reduces the reliance on fossil fuels not only for the property owner, but for the wider area.

The panel locations have been designed to maximise the available sunlight striking the panels to create the best possible efficiency.

Biodiversity and Local Environment

The development will not alter the biodiversity of the local area. There are no protected species within the area. The panels will leave the current eco systems undisturbed. We believe the development can only improve the local area with the reduction in CO₂ emissions.

Layout and Appearance

The panels will be located in the area garden and are not over looked and will not detract from the local area. There is a wall behind the proposal with existing trees to the right and the current buildings to the left. The location here has been chosen specifically to use the existing landscaping to ensure the view from neighbouring properties is not altered. It is not visible from either the public highway or public rights of way.

The panels themselves are to be installed in 2 rows of 16 panels with each row being 16 m long by 0.75m wide. The height will be no more than 1.5 meters from the ground.

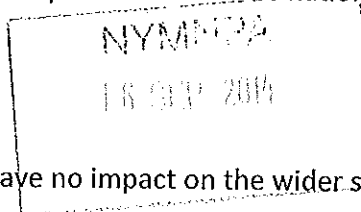
The panels will be facing due South in order to gain the most irradiance from the sun. This will ensure that they provide the greatest efficiency to the customer.

Energy Efficiency/ Carbon Reduction and Climate resilience strategy

The solar PV system has a lifespan of 20-25 years, with proven efficiency over this time period.

The materials used in the manufacture of the panels have a proven lifelong record. They are also MCS accredited to current standards.

The energy provided from the panels will primarily be used in the property itself. This will reduce the householders CO₂ emissions by using the green electricity rather than fossil fuels in the home. An electricity that is unused will be exported back to the national grid for use in the local area,



Physical

The physical aspect of the development will have no impact on the wider surrounding area.

Social

Due to the nature of the proposal this is not relevant

Economic

Due to the nature of the proposal this is not relevant

Community Safety

Due to the nature of this proposal this is not relevant

Accessibility

Due to the nature of this proposal this is not relevant

NYMNP
16 SEP 2014