

Introduction

This document supports an application for the installation of roof mounted photovoltaic solar panels on part of the house roof and garage of 24a The Street, Ashwellthorpe NR16 1HD. The installation proposal was developed with assistance from Power Different Limited NR14 8FB, who are the intended installers.

Proposal overview

The proposal is to install a photovoltaic solar panel system to provide electricity to the property, with excess to be exported to the grid.

Existing energy usage is approximately 6,000kw units per year

Solar panel production will be approximately 5,855kw units per year

Layout

The layout comprises roof coverings of photovoltaic solar panels on two roofs. The east facing roof of the garage was chosen as there will be little visual impact on the surrounding landscape because it faces back towards 24a The Street. The westerly edge of the west facing roof of the house was chosen because it is at a lower angle of elevation than the main roof, being approximately 16 degrees, making the panels less visible. The installed panels will be black and thus match the existing colour of the render on the house and wood on the garage.

Design And Scale

The design is for the installation of a 7.83KWp roof-mounted solar array to the east facing garage roof and part of the west facing house roof. The garage array will be an area of approximately 4.5m x 3.5m and the house array will be an area of approximately 5.7m x 3.5m. The height from the roof face to outer face of solar panels will be no more than 200 mm. Each photovoltaic panel will be 1762mm x 1134mm x 30 mm, mounted on metal frames fixed to the existing roof. The inverter will be located within the property alongside the existing consumer board. The proposal is regarded as a temporary use of land and is reversible.

Landscaping

Existing landscaping will not be affected by the proposal. Screen planting is existing along the southern boundary.

Access

Access to the solar arrays will be gained by means of scaffolding by specialist installers.

Summary

We have taken on board the context of this site and believe the proposal is justified under local and national policies.