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Residential Dwelling  
Land at Greenhaugh  
Northumberland  
NE48 1LY

Project No 1139  
Date 28-11-2019  
Filed In F/Planning

Renewable Energy and low Carbon Measures Statement on behalf  
of Mr & Mrs Rapier

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OUR REF: 1139\_20191128/F3

**Land south of Greenhaugh School, NE48 1LY**  
**November 2019**

**Planning Reference:**

**19NP0022** (Approved 2<sup>nd</sup> August 2019)

Description: Construction of detached dwelling and garage and associated access at land South of Greenhaugh School, Greenhaugh, Tarsset, Hexham, Northumberland, NE48 1LY

The application seeks to discharge or provide information in compliance with the information for condition 11 worded:

*Prior to any development of the dwelling hereby approved above damp course level, details of renewable energy measures for generating energy from decentralised renewable and/or low carbon sources (as defined in Annex 2 of the National Planning Policy Framework), or justification why it is not feasible or viable to provide these, shall be submitted to and formally approved in writing by the Local Planning Authority. The information submitted should establish accurate details of the predicted energy requirements for the development and demonstrate how the proposals will maximise the embedding of renewable and low carbon energy sources within the development. Any approved renewable energy measures required shall be implemented in full before the first occupation of the development.*

**Reason:** To ensure that appropriate renewable energy and/or low carbon energy measures are included, in line with NNPA Core Strategy policies 1, 2 and 25 and Paragraph 153 of the NPPF.

The below items are detailed in the construction information for the project and aid the proposal in utilising renewable energy and low carbon measures:

1. The building is to be fabricated from Off Site Kingspan SIPS panels.
2. The building will incorporate an ASHP generating heating and hot water from the system (*Monobloc ASHP 8.5kW c/w Standard 250L Pre-Plumbed Cylinder, G3 Compliance Kit, FTC5 Magnetic Filter and Flex Pipes*)
3. Underfloor heating throughout (ground and first floor) – increasing heating unit efficiency and reducing unnecessary heating overload and higher operating levels
4. The building will omit the requirement for any gas or oil equipment.
5. The building will include and Proctor Wraptite membrane improving air tightness and heat loss
6. High performance PC Aluminium windows and doors (U Values of all glazing and units at 1.1wkm<sup>2</sup>)
7. Low energy LED lighting throughout the new detached dwelling

Additional notes:

The materials proposed are a combination of locally sourced or certified sustainable products.

Trespa Pura NFC<sup>®</sup> siding is made from up to 70% natural fibres, which are sourced from sustainable forests. All Trespa Pura NFC<sup>®</sup> products are certified according to the PEFC<sup>™</sup> standard (source [www.trespa.com](http://www.trespa.com))

For more information on Kingspan TEK SIPS please see the appendix with a brief overview of the key advantages which also help to reduce the carbon footprint of the proposed dwelling both off site and whilst in operation when complete. The offsite production of SIPS panels reduces any on site wastage and thus the removal for additional skips and transportation costs and energy consumption.

Prepared for and on behalf of Mr and Mrs Rapier  
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