

Planning Statement for

Burndell Road - Yapton

Background:

This statement is to confirm how Crayfern Homes will achieve a minimum of 10% reduction energy requirements for Building Control Compliance by using improved u-values and a form of renewable/low carbon energy (10% reduction by use of renewable/low carbon energy source).

1. Energy Efficiency of The Building

We are looking to achieve a reduction of approx 26% (based on examples of house types from a similar scheme completed by Crayfern Homes) in energy usage from the predicted energy requirements for the developed properties. The developer has also enhanced the design over and above the requirements for Building Control Compliance, this has been achieved by using U-values better than the minimum standard (giving approx 5-6% enhance on fabric against current building regulations).

2. 'Target Emission Rating'

We have carried out a sample SAP Rating on one of the units and the Target Emission Rating came out at 15.45, this is what is required to meet the latest Building Regulations.

3. 'Dwelling Emission Rating'

We have worked with Crayfern Homes to develop a specification of works that meets/exceeds the required level of 'performance' this includes looking at Heat Pump units, better performing u-values for all elements, high performance heating systems and controls, solar and PV units.

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Director: Mr N Jones FCIQB C.Build E FCABE CIHM Company Secretary: Mrs N J Jones

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4. 'Renewable savings'

We have developed a specification that meets the criteria set out within the planning condition. This has achieved a Dwelling Emission Rating of 11.18 on the 'sample unit', which is 27.6% over the required 'Pass' for Building Regulations.

We have looked at the example with and without the renewable/low carbon energy source and can confirm that without the systems the DER is 15.06 (2.5% reduction)

The renewable/low carbon system used is a Daikin Air Source Heat Pump, which is reducing the DER by 25.1%.

Conclusion:

As a 'Chartered Consultant' we work closely with Crayfern Homes to produce good quality projects, that use the least amount of energy, provide high quality units for the end user and can confirm that this site has been designed to meet these requirements.

Completed by:
Nick Jones FCIQB C Build E FCABE CIHM
On behalf of Nick Jones Project Management Ltd

www.nick-jones-project-management.co.uk

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