

Renewable and Low Carbon Statement – Orchard Gate, Dibden Purlieu

The Council's validation checklist requires development proposals to be accompanied by a Renewable and Low Carbon Statement, (linked to Policy CS4 of the Local Plan).

Passive Design

The proposal has been orientated to maximise solar gain while still being mindful of the planning constraints on site (impact on neighbours, protected trees etc.). It is envisaged that all properties can benefit from a generous level of glazing allowing a high level of natural light, commensurately minimising the need for artificial light.

Building Fabric

It is intended that overall construction of the units will follow a 'fabric first' approach by enhancing the overall individual 'U' values through the specification of thermally efficient materials. In conjunction with the enhancement of the building fabric, improvement to the detailing and air tightness of the building will also be considered. Consideration will be given to utilising whole house heat recovery technology to reduce heating demand.

Water Use

The proposed development will be constructed in accordance with the standards for domestic properties in Part G of the Building Regulations. Consideration will be given to measures that reduce the water usage further such as more efficient kitchen and bathroom fixtures, fittings and appliances.

Renewable Energy

Consideration will be given to the generation of renewable energy needs for the proposed dwellings through a combination of photovoltaic technology, solar panel technology and heat pumps. The use of biomass technology is not considered appropriate for this site

14/07/2022
