

Sustainability and Energy Efficiency Statement

The proposal seeks to improve and extend the existing dwelling rather than replace it, thereby retaining the embodied energy within the existing building. The submitted drawings show a rear ground-floor extension and a two-storey side extension, incorporating pitched roof forms, rooflights and additional rear glazing. These features will improve natural daylight within the dwelling and reduce reliance on artificial lighting during daylight hours.

The new extension will be designed and constructed in accordance with the current requirements of Building Regulations Part L. The new walls, floors and roofs will incorporate high levels of insulation, together with energy-efficient glazing, insulated external doors, appropriate airtightness measures and careful detailing to reduce thermal bridging and heat loss.

Further energy-saving measures will include:

- low-energy LED lighting;
- efficient heating controls, including appropriate zoning and thermostatic controls;
- water-efficient sanitary fittings;
- energy-efficient appliances where replaced; and
- the use of natural daylight and ventilation through the proposed windows, rooflights and glazed rear doors.

The potential for renewable and low-carbon energy measures, including solar photovoltaic panels and a future low-carbon heating system, will be considered further during the detailed technical design stage, taking account of roof orientation, shading, installation requirements and overall viability.

The proposal is therefore considered to have appropriately considered opportunities to maximise energy efficiency and sustainability, in accordance with Policy 5 of the Hassocks Neighbourhood Plan.