

## **Introduction**

This Energy Statement is submitted in support of a retrospective full application for the conversion of a former garage into 1no. residential dwelling at Damson Barn, Norton Farm, Lower Norton Lane, Kewstoke, Weston-super-Mare, BS22 9YR.

This statement has had regard to the guidance set out in North Somerset's validation checklist (December 2023).

The pertinent policies from North Somerset Council's Core Strategy in relation to this statement are Policy CS1 (Addressing climate change and carbon reduction) and Policy CS2 (Delivering sustainable design and construction).

## **Siting and Location**

The conservatory and garden are south facing and therefore maximise solar gains. The glazing on the southern elevation and roof of the conservatory creates a light filled space which benefits from low solar gains in the winter months.

Solar panels could be added to the roof of the dwelling to ensure the proposal complies with Policy CS2(2).

## **Shelter Planting**

To the rear of the dwelling is a private garden. This includes an area of lawn bounded by hedgerow and shrub planting along some of the boundaries. The vegetation on site provides habitats for biodiversity and contributes to natural cooling during the summer months.

## **Internal Layout**

Whilst not listed the barn has some architectural merit and has influenced where new window and door openings have been installed. In general terms such interventions should be limited so that the character of the original barn can continue to be read. Windows sufficient to provide adequate natural light to habitable rooms within the confines of the building design has been provided and the internal layout has been optimized. All rooms will use energy efficient lightbulbs/fittings.

## **Natural Ventilation and Lighting**

All habitable rooms are served by windows allowing natural daylight into the rooms. The conservatory also includes significant glazing which allows additional natural light into the room. Windows are openable to allow natural ventilation into the building. The windows in the property are fully double glazed.

## **Material Usage**

The building was converted to a residential dwelling some years ago, with the existing fabric of the building retained in the conversion, to minimise waste. No materials are proposed as part of this application.

## **Construction Techniques**

As aforementioned, the building has already been converted into a dwelling and the proposed development does not require any physical works to the building. Construction techniques are therefore not relevant to the proposals.

## **Shared Heat through Party Walls**

The building detached and therefore there are no party walls.

