

## **Appendix A – Climate Change Statement**

### **Climate Change Statement for Planning Applications**

#### **Part 1: Applicant details**

Name of applicant/agent	Dean Swann
Site Address	The Wood Yard Bradley Wood Shepherds Thorn Lane Brighthouse HD6 3TU
Description of Development	Replace existing buildings with one 40ft x 60ft steel building

#### **Part 2: Climate Change Mitigation measures**

Please respond to the following questions considering the measures set out in the Climate Change Guidance note:

Q1: What measures have been/will be taken to reduce the energy demand associated with your proposed development beyond the minimum required in Building Regulations? (See section 2)

The building will not be heated as it is primarily used for secure storage. The site has no access to grid electricity. The existing buildings have solar panels on which will be reused on the new building. The site is also currently off grid and powered by 6kw of solar panels, 2kw wind turbine and excess energy is stored in a 25kwh battery for use at night and on non sunny days. The new building will be connected to this system

Q2: What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes, e.g. by reusing existing on-site materials or sourcing materials locally? (See section 3)

The new building should have no waste, it is designed as a kit and only requires assembly on site. Because the building is primarily secure storage no waste recycling is anticipated. All existing on site materials, ie: tinned sheeting, poles for barn construction, containers and vehicle bodies have resale value and will be sold to recover some of the new build costs.

Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

The site already runs an off grid system as described in Q.1 and will be connected to this system. We currently use 8Kwh per day and have a capacity of 25kwh per day. The only requirement for the new building will be lighting. This will be low energy LED lighting with an estimate daily requirement of only 1kwh. This current system should easily cope with this additional usage. The building has also been designed with a 30 degree roof pitch instead of a 10 degree pitch to increase the efficiency of the solar panels. There is also a 2kw wind turbine on site. The system is designed as such that once the battery is full the excess energy then heats a 150l water tank which currently provided all our hot water needs

Q4: What measures have been/will be taken to ensure the building design and layout has been optimised to energy efficiency beyond the minimum requirements in Part L of the Building Regulations ? (See section 5)

Insulated roof panels, south facing design, increased pitch of roof to optimise solar array, low energy lighting, insulated floor slab, built up ground works to south to shelter building from wind and motorway noise. The site is also surrounded on all side by trees which provide excellent shelter from wind.

Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)

All rainwater will be collected into a 3000l tank we have on site, which attenuates any heavy rainfall. The water is used on site to water plants and trees and to keep a large pond on site topped up. Anything in excess of this is sent into an existing ditch drainage system which connects to Bradley Park Dike

Q6: What measures have been/will be taken to reduce water stress associated with your proposed development? (e.g. Water retention and minimisation measures) (See sections 7 and 8)

Hand washing facilities will use auto turn off taps, toilet facilities are currently provided via portaloo

Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)

We have planted over 300 trees on site, mainly Yew and dedicated the remainder of the site to biodiversity, created a large pond, currently full of newts and frogs, created stag

beetle habitat through dead log placements, put up numerous bird boxes and created safe havens for mice using brash mats, we have also laid hedges to create bird nesting sites

Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)

The new building was sourced as locally as possible and is designed as a kit building which can be delivered on one single trip. Any other materials required will also be sourced from the nearest supplier. Current employees live very local and normally use electric pedal bikes to come to work unless the weather is inclement.