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ENERGY STATEMENT (SUSTAINABILITY MEASURES)

In order to meet the requirements of Development Management Policy DM4 and CP1 of the Core strategy, the proposed new build dwelling will incorporate on-site renewable technology. This, subject to a full assessment of its viability together with advice from a suitably qualified SAP assessor prior to construction, may take the form of one or more of the following systems: PV, Solar, ASHP or wood burning stoves.

A number of other provisions which will also add to the sustainable nature of the new dwellings include:

RAINWATER COLLECTION & DISPOSAL

- Rainwater run-off from paths, patios and driveway will run to soft landscaping where possible.
- On site soakaway drainage systems are proposed to deal with all additional surface water.
- Rainwater harvesting for the purpose of irrigation

MATERIALS

- Where possible, materials to be used within the construction of the new sections of the proposed development will be compliant with the Green Guide for Housing 'Grade A'. This includes the use of insulation with an ozone depletion potential of zero and global warming potential of less than 4, aerated concrete blockworks, timber from a sustainable resources, and locally sourced bricks.
- Internally 100% of lighting systems will use low energy LED fittings, and heating systems will use high efficiency boilers with NOX rating of less than or equal to 40mg/kwh.
- Home office / study to be provided and equipped with broadband and at least two double sockets.
- Externally PIR lights to be limited to a max. 150 watts.
- 'A' rated white goods, with best practice water consumption where appropriate.
- Sanitary ware taps to be fitted with aerating nozzles and WC cisterns to be dual flush.
- CO2 emissions from the new buildings are expected to be less than 20kg/m2/year.



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- Generous window sizes to reduce reliance on artificial lighting.
- PV panels to be positioned on the proposed inverted crown roof. (So they are hidden)
- Electric car charging points

ASHP and eco wood burning stoves are both viable solutions and can enable the property to surpass the 5% better than Part L building regulations standards.

Our preference would be for the use of eco wood burning stoves to act as a secondary heating solution which reduces the demand on conventional fuels like gas. Using this in conjunction with forming highly thermal building fabrics, low energy lighting, reduced water consumption and soakaways creates a compliant proposal with DM4 and CP1.

If required we will submit a SAP report against a planning condition.

BY DUSEK DESIGN ASSOCIATES LTD – 16/09/2025