Plot 2, Timms Drove, Swineshead, Lincolnshire, PE20 3PG



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1st March 2023

To whom it may concern,

Re – Preliminary DESIGN SAP summary for the above proposed new dwelling, application ref B/21/0499

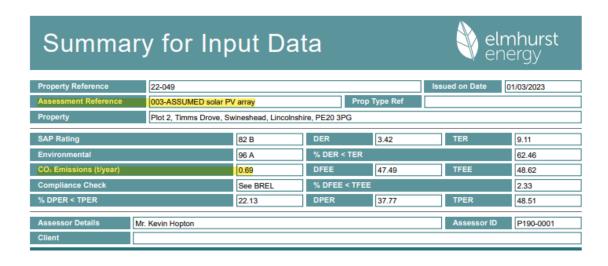
Pursuant to section 10 of the above outline planning application reproduced below,

10. When application is made for the approval of the reserved matters, that application shall show details of the measures listed on Drawing 203 (Proposed Landscape, Environmental & Ecological Enhancements Plan) that aim to reduce pollution and resource use, and promote the use of renewable and low carbon energy, together with details relating to the timing of their implementation.

The development shall be constructed in accordance with the approved measures.

Reason: To help reduce pollution and resource use, and to promote the use of renewable and low carbon energy, and to accord with Policies 1, 2, 3, 30 and 31 of the South East Lincolnshire Local Plan 2011-2036.

It is demonstrated below that the inclusion of a solar PV array as indicated on the approved plans & elevations (noting that specific specifications concerning total installed capacity have yet to be finalised by the applicant) will *of itself* reduce CO2 emissions by 0.26 tonnes per year when compared with an identical dwelling that does NOT feature any solar PV installation. We confirm that A PV array SIMILAR to that indicated will be installed during the course of the construction of the new dwelling & will be commissioned prior to completion & lodgement of an EPC.



elmhurst energy **Summary for Input Data** Property Reference 22-049 Issued on Date 01/03/2023 004-NO solar PV Prop Type Ref Plot 2, Timms Drove, Swineshead, Lincolnshire, PE20 3PG TER SAP Rating DER 77 C 4.42 9.11 % DER < TER 95 A 51.48 DFEE TFEE 0.95 47.49 48.62 Compliance Check % DFEE < TFEE See BREL 2.33 % DPER < TPER TPER 4.78 DPER 46.19 48.51 Assessor Details Mr. Kevin Hopton P190-0001

The margin of pass above & beyond current building regulations when comparing DER (Dwelling emission rate), with TER (Target emission rate), is 62.4% - See assessment ref 003 above when a solar PV array is installed.

For further refence, both calculation summaries 003-with PV & 004-without PV are attached to this email. Upon inspection, the reader will see that a SAP default air source heat pump is included in both illustrations.

Yours faithfully,

Kevin Hopton

On-Construction Domestic Energy Assessor – P190-0001