

Project: NEW DWELLING AT:
11 Swangleys Lane, Knebworth, SG3 6AA

Client: Mr & Mrs Clifford

Project No: 22308

06 March 2025

ENERGY STATEMENT

Energy saving & low carbon features:

1.0 Space and water heating:

- air source heat pump
- time & temperature zone controls
- thermostatic radiator valves
- separate time controls for space & water heating

2.0 External element U-values:

Ground Floor	=	0.13 W/m ² K
External Walls	=	0.18 W/m ² K
Roof	=	0.11 W/m ² K
Windows	=	1.2 W/m ² K
Doors	=	1.0 W/m ² K
Lantern	=	1.2W/m ² K

3.0 Air permeability = 5 m³/h/m² at 50 Pa

4.0 Lighting:

- fixed lighting capacity (lm) = 185 x total floor area
- efficacy of all fixed lighting = 80 lm/W

5.0 Electric vehicle charging point.

