

2025	PILGRIMS BARN, Green Road, Haughley, Stowmarket. Record of All Energy Generation and Use on Site	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTALS OVER 12 MONTHS
		Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	Solar Gen KWHs	Energy Use KWHs	
Total Usage																										
1	Car Charger 1 (Tess)		424		376		364		214		322		318		144		91		147		57		131		211	2,799
2	Car Charger 1 (Evie)		385		309		341		386		391		427		295		329		221		211		284		477	4,056
	Total Car Energy for Month		809		685		705		600		713		745		439		420		368		268		415		688	6,855
3	Power in Utility/Lounge		39		40		45		47		46		49		56		68		56		51		47		51	595
4	Power Bedrs 1,2,4,5		70		18		11		48		17		7		8		24		5		14		21		24	267
5	Power Bed 3, Study, W/shop		132		124		131		127		125		124		127		130		117		116		107		109	1,469
6	Solar PV	-814		-968		-2858		-3472		-3527		-3542		-2753		-2717		-2208		-1202		-820		-689		
7	Kitchen including Cooker		85		67		68		86		61		45		65		105		50		62		77		66	837
8	Heating Zone 1 & 2		589		490		6		0		8		0		0		0		0		0		161		320	1,574
9	Heating Zone 3 & 4		43		40		0		0		11		0		0		0		0		8		42		109	253
10	Heating Zone 5		193		124		1		0		4		0		0		0		0		0		61		115	498
11	All Lights		87		52		56		38		21		16		19		36		27		58		79		84	573
12	Barn, Pond and Cats		249		204		116		137		161		165		170		159		139		125		118		108	1,851
13	Sewage & Water Store Pump		11		9		18		26		47		17		12		16		9		11		11		9	196
14	MVHR		15		13		15		14		15		15		15		15		14		15		15		15	176
15	Water Heater (Immersion)		329		227		294		281		188		172		166		212		179		228		272		257	2,805
	TOTAL HOUSE- CARS EXCLUDED		1842		1408		761		804		704		610		638		765		596		688		1,011		1267	11,094
	TOTAL - HOUSE PLUS CARS	- 814	2,651	- 968	2,093	- 2,858	1,466	- 3,472	1,404	- 3,527	1,417	- 3,542	1,355	- 2,753	1,077	- 2,717	1,185	- 2,208	964	- 1,202	956	- 820	1,426	- 689	1,955	17,949
	HOUSE CUMULATIVE KWHs	- 814	2,651	- 1,782	4,059	- 4,640	4,820	- 8,112	5,624	-11,639	6,328	-15,181	6,938	-17,934	7,576	-20,651	8,341	-22,859	8,937	-24,061	9,625	-24,750	1,011	-25,439	2,278	
	HOUSE CUMUL. SAVING £		£ 724		£ 1,109		£ 1,317		£ 1,537		£ 1,729		£ 1,896		£ 2,070		£ 2,279		£ 2,442		£ 2,630		£ 276		£ 622	
	House Cost per month perSqM		£ 1.08		£ 0.83		£ 0.45		£ 0.47		£ 0.41		£ 0.36		£ 0.37		£ 0.45		£ 0.35		£ 0.40		£ 0.59		£ 0.74	
	Ditto CUMULATIVE COST		£ 1.08		£ 1.91		£ 2.36		£ 2.83		£ 3.24		£ 3.60		£ 3.98		£ 4.43		£ 4.78		£ 5.18		£ 0.59		£ 1.34	

Note 1 Pilgrims Barn is a 5 double-bedroomed home of 465 sq metres, with five bathrooms and underfloor central heating

Note 2 This is 'Work in progress'; tweaks are being made to improve/reduce energy use, but not to detriment to performance or comfort.

Note 3 Underfloor heating triggered 'Target Floor Temp' when nearing 19C. Heavier use in December and January.

Note 4 The two cars are added together in the row below (in brown font), to form a useful comparison of total energy used by them aside from everything else.

Note 5 Cost of Electrical Energy is taken @ 27.326p per KWH, the current Octopus Day Rate.