

Site 2 – Hill Close Gardens



This is a single storey building with a flat roof. The turbine is on a 4m tilting mast next to the building and linked to the building foundation.

The site is on the edge of the Warwick conurbation, with houses on three sides. The fourth side faces a large expanse of flat open land (Warwick racecourse).

A complete data set for wind speed and energy exported has been available from 30th October 2007.

NOABL wind speed estimate	4.5ms ⁻¹ at 10m
Planning permission	21 st September 2006
Turbine installation	29 th January 2007
Full data available from	30 th October 2007
Mounting type	Pole at edge of flat roof
Turbine	Ampair 600 230
Inverter	Sunny Boy SB700
Anemometer	Schiltknecht Meteo, Type: f.555.1.18
Data logger	Novus LogBox DA
Watt meter	Iskraemeco ME162

Warwick Wind Trials

Time Interval	Measured Average Wind Speed (ms⁻¹)	Total Energy Exported (kWh)	Average Energy Exported per Day (Wh)
30 th October 2007 to 23 rd October 2008	2.04	54.88	153
November 2007	1.51	2.40	80
December 2007	2.44	14.25	460
January 2008	3.50	21.09	680
February 2008	2.27	3.44	119
March 2008	3.23	3.20	103
April 2008	2.14	1.57	52
May 2008	1.41	2.05	66
June 2008	1.68	0	0
July 2008	1.54	0.35	11
August 2008	1.79	1.59	51
September 2008	1.13	1.27	42

This turbine has been switched off intermittently due to concerns about noise levels.