

Site 3 – Princes Drive



Princes Drive is Leamington Spa's waste management facility; the wind turbine is mounted to The Recycle Warehouse run by Action 21. The installation is not representative of a typical domestic home; it is an example of mounting wind turbines on small industrial units.

This installation serves an educational purpose for the local community. There is an LED display inside the warehouse that is linked to the turbine and shows real time information about the energy being produced.

NOABL wind speed estimate	4.9ms ⁻¹ at 10m
Planning permission	18 th October 2006
Turbine installation	8 th May 2007
Full data available from	30 th October 2007
Mounting type	Pole at edge of pitched 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 1 st July 2008	1.59	9.45	41
November 2007	1.10	1.40	48
December 2007	1.80	0.61	35
January 2008	2.38	1.16	41
February 2008	1.50	0.95	33
March 2008	2.33	1.32	43
April 2008	1.50	0.92	31
May 2008	1.10	1.17	38
June 2008	1.22	1.82	61

Due to a battery failure in the data logger data was lost between 18th December 2007 and 4th January 2008. New nose cone and blades fitted on 9th May 2008. Turbine switched off and inverter removed from site on 1st July 2008 for safety reasons as modifications to the building structure are currently being made.