

Site 9 – Napier



This turbine is being monitored by Napier University. The hub height is approximately 2m above the ridge line which is a flat roof. The building itself is around 25m tall but it is surrounded by other tall buildings.

NOABL wind speed estimate	5.6ms ⁻¹ at 10m
Planning permission	
Turbine installation	
Full data available from	20 th November 2007
Mounting type	Pole at edge of flat roof
Turbine	Ampair 600 230
Inverter	Windy Boy WB700
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)
20 th November 2007 to 10 th October 2008	2.99	91.84	297
November 2007	3.07	1.48	142
December 2007	3.34	0	0
January 2008	4.17	7.18	232
February 2008	4.35	0	0
March 2008	4.10	3.69	119
April 2008	2.81	17.65	588
May 2008	2.70	11.01	355
June 2008	2.33	14.75	492
July 2008	2.31	9.67	312
August 2008	2.05	10.14	327
September 2008	2.01	10.04	335

Data is missing from 4th to 20th December 2007. The turbine was also switched off intermittently from 24th December 2007 to 26th March 2008 but is currently switched on.