

Amendment to page 23

Wind speed is measured at a rate of meters per second (m/s). Questions have generally been asked as to what this equates to in terms that people can generally understand. The table below helps to explain this. The ES states that the proposed wind turbine would operate between wind speeds of around 2.5-3 m/s and cut-out at around 34-46 m/s.

m/s	Miles per hours	Beaufort Scale	Description
1	2.237	1	Light air: Direction of wind shown by smoke drift but not by wind vanes
2 – 3	4.474 – 6.711	2	Light breeze: Wind felt on face; leaves rustle; ordinary vanes moved by wind
4	8.948	3	Gentle breeze: Leaves and small twigs in constant motion; wind extends light flag
5 – 7	11.185 – 15.659	4	Raises dust and loose paper; small branches are moved
8 – 9	17.896 – 20.133	5	Fresh breeze: Small trees in leaf begin to sway; crested wavelets form on inland waters
10 – 13	22.37 – 29.081	6	Strong breeze: Large branches in motion; whistling heard in telegraph wires; umbrellas used with difficulty
14 – 16	31.318 – 35.792	7	Near gale: Whole trees in motion; inconvenience felt when walking against the wind
17 – 20	38.029 – 44.74	8	Gale: Breaks twigs off trees; generally impedes progress
21 – 23	46.977 – 51.451	9	Severe gale: Slight structural damage occurs (chimney pots and slates removed)
24 – 27	53.688 – 60.399	10	Storm: Seldom experienced inland; trees uprooted; considerable structural damage occurs
28 – 32	62.636 – 71.584	11	Violent storm: Vary rarely experienced; accompanied by widespread damage

This information is adapted from the MetOffice version of the Beaufort Scale. Some speeds of m/s may fall within two categories on the Beaufort Scale.