

### 4.0 Acoustic Test Results including Noise label

This is a summary of the evaluation of the CF15 wind turbine noise over a range of wind speeds and directions. Characterizations of the turbines apparent sound power level, 1/3 octave bands, and tonality are made.

Acoustic noise data was gathered on four separate days in the months of November and December in 2011. On all four days, winds were primarily out of the South West, ranging from 184° to 277°. Meteorological and wind turbine data has been gathered continuously since commissioning of the CF15 on February 4th, 2011.

The resulting acoustic performance for normal operation in accordance with the BWEA standard is as follows:

Wind speed dependence	<b>1.74 dB/m/s</b>
<b>Immission Sound Pressure Level at 60m <math>L_{p,60m}</math></b>	<b>47 dBA</b>
Immission Sound Pressure Level at 25m $L_{p,25m}$	<b>55 dBA</b>

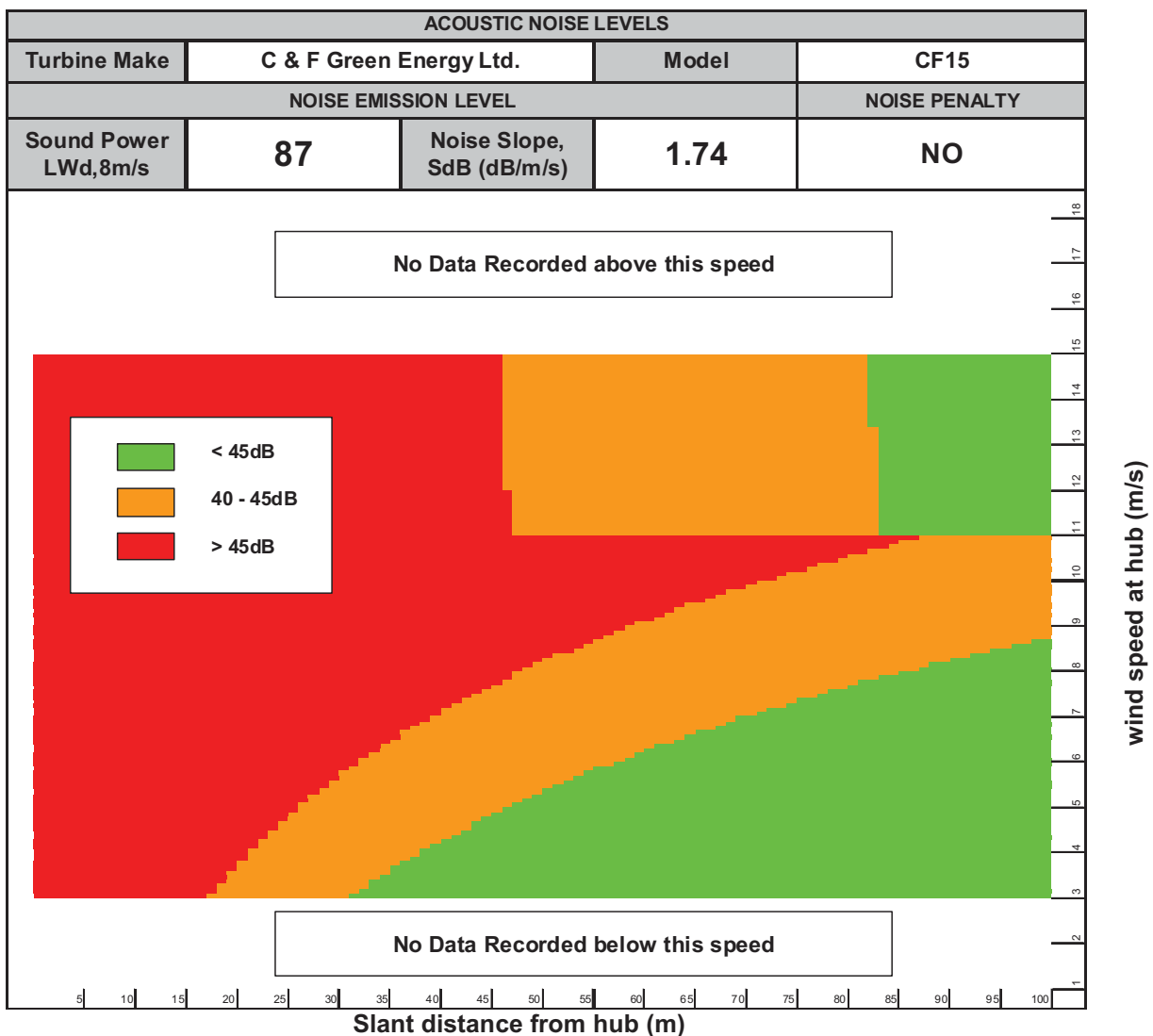


Figure 1 – Noise Immission Map for CF15