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Illaunbaun Wind Farm - Environmental Impact Assessment Report

Appendix A13-07: Candidate Turbine Manufacturer's Performance Specification



Clare Planning Authority - Inspection Purposes Only!

1 APPENDIX A13-07 CANDIDATE TURBINE MANUFACTURER'S PERFORMANCE SPECIFICATION – SOUND POWER LEVELS MODE 0

6.3 Sound Curves, Mode 0/0-0S

Sound Power Level at Hub Height		
Conditions for Sound Power Level:	Measurement standard IEC 61400-11 ed. 3 Maximum turbulence at hub height: 30% Inflow angle (vertical): $0 \pm 2^\circ$ Air density: 1.225 kg/m^3	
Wind speed at hub height [m/s]	Sound Power Level at Hub Height [dBA] Mode 0 (Blades with serrated trailing edge)	Sound Power Level at Hub Height [dBA] Mode 0-0S (Blades without serrated trailing edge)
3	92.2	94.5
4	92.8	95.4
5	94.0	97.1
6	97.0	100.2
7	100.0	103.1
8	102.8	105.6
9	105.1	107.7
10	106.0	108.5
11	106.0	108.5
12	106.0	108.5
13	106.0	108.5
14	106.0	108.5
15	106.0	108.5
16	106.0	108.5
17	106.0	108.5
18	106.0	108.5
19	106.0	108.5
20	106.0	108.5

GLOBAL PROJECT REACH



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