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Illaunbaun Wind Farm - Environmental Impact Assessment Report

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



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

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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

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Offices

Dublin (Head Office)

Gavin & Doherty Geosolutions
Unit A2, Nutgrove Office Park
Rathfarnham
Dublin 14, D14 X627
Phone: +353 1 207 1000

Cork

Gavin & Doherty Geosolutions
First Floor, 12 South Mall
Cork
T12 RD43

London

Gavin & Doherty Geosolutions (UK) Limited
85 Great Portland Street, First Floor
London
W1W 7LT

Utrecht

Gavin & Doherty Geosolutions
WTC Utrecht, Stadsplateau 7
3521 AZ Utrecht
The Netherlands

Belfast

Gavin & Doherty Geosolutions (UK) Limited
Scottish Provident Building
7 Donegall Square West
Belfast
BT1 6JH

Edinburgh

Gavin & Doherty Geosolutions (UK) Limited
22 Northumberland Street SW Lane
Edinburgh
EH3 6JD

Rhode Island

Gavin & Doherty Geosolutions Inc.
225 Dyer St, 2nd Floor
Providence, RI 02903
USA

GDG
GAVIN & DOHERTY
GEOSOLUTIONS

Website: www.gdgeo.com

Email: info@gdgeo.com



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Member Company