

Technical Appendix 4.5: Cumulative Baseline

4.84 This Technical Appendix provides details of the wind farms that are considered to form the ‘Cumulative Baseline’ for this LVIA as described in the LVIA, Chapter 4 from paragraph 4.187. The Cumulative Baseline refers to all existing, consented and proposed wind farms within the 30 km Study Area. There are a total of 29 wind farms considered to be part of the Cumulative Baseline for this LVIA, of which 22 are existing and account for a total of 184 turbines. A further 4 are consented which account for a further 25 turbines and 3 wind farms are proposed (i.e. in-planning) and these account for 16 turbines. There are currently a total of 209 existing and consented turbines in the Study Area.

Technical Appendix Table.4.5.1 Wind Farms included in the Cumulative Baseline

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Name of wind farm	Status	Approx. distance from Development (km)*	No. of turbines	Rotor dia. (m)	Hub height (m)	Blade tip height (m)	Visible from which shortlisted Viewpoints		Additional notes
			228					total	
<b>Bessy Bell Cluster</b>			20						
Bessy Bell I & II	Ex	17.73 km to SW	16	39 / 70.5	39 / 64.7	58.5 / 100	7, 9, 15, 18,	4 no.	
Bessy Bell II Ext.	Cons	17.5 km to SW	4	82	73.5	115			
<b>Carntogher Cluster (total cluster comprising 44 turbines)</b>			14						
Evishagaran	Ex	24.93 km to NE	14	100	90	140	2, 16, 18	3 no.	
Brockaghboy and Extension	Ex	beyond 30 km	19	90 / 93	80	125 / 126.5	not shown on wireline	n/a	Beyond 30 km Study Area but forming a relatively contiguous cluster with a wind farm within the cumulative baseline for this Development; position of turbines illustrated on Figure 4.4 but not included in wirelines
Corlacky Hill	Cons		11	117	91.4	149.9			
<b>Owenreagh Cluster</b>			22						
Craignagapple	Cons	6.95 km to W	6	80	67	107	2, 4, 5, 6, 9, 11, 12, 13, 15, 16, 17, 19	12 no.	
Owenreagh	Ex	7.54 km to W	10	40	40	60			
Owenreagh Ext.	Ex	7.08 km to W	6	52	40	66			
<b>Lough Bradan Cluster (total cluster comprising 99 turbines)</b>			26						
Pigeon Top	Ex	28.52 km to SW	9	90	80	125	14	1 no.	
Pollnallaght aka Cornavarrow	Ex	27.84 km to SW	14	90	85	126			
Slieveglass	Ex	29.03 km to SW	3	71	64	99.5			
Altgolan	Prop	beyond 30 km	7	unknown	unknown	unknown	not shown on wireline		Beyond 30 km Study Area but forming a relatively contiguous cluster with a wind farm within the cumulative baseline for this Development; position of turbines illustrated on Figure 4.4 but not included in wirelines
Bin Mountain	Ex		6	70.5	55	90			
Castlecraig	Ex		10	90	80	125			
Clunahill	Cons		7	90	70	115			
Dooish	Cons		10	115	72	130			
Lough Hill	Ex		6	65	49	80			
Tappaghan & Extension	Ex		19	70.5	52.6 / 64.7	88 / 100			
Thornog & Extension	Ex		8	71 / 90	64 / 65	99.5 / 110.5			
<b>Loughermore Cluster</b>			60						
Altahullion Phase I	Ex	17.46 km to NE	20	62	49	80	2, 19	2 no.	
Altahullion Phase II	Ex	17.63 km to NE	9	66	49	82			
Barr Cregg	Cons	14.2 km to N	7	90	80	125			
Glenconway	Ex	19.91 km to NE	8	93	68.5	115			
Glenconway II	Ex	17.42 km to NE	12	82.4	60	101.2			
Monnaboy	Ex	18.74 km to N	4	82.4	80	121.2			
<b>Slieve Gallion Cluster</b>			13						
Creagh	Ex	22.85 km to SE	3	80	70	110	18	1 no.	
Crockdun	Ex	26.31 km to SE	6	90	80	125			
Cullion	Prop	26.90 km to SE	4	104	93	145			
<b>Slievemore Cluster (total cluster comprising xx turbines)</b>			15						
Cregganconroe	Ex	24.97 km to SE	5	82.4	60	101.2	none	none	
Crockdun	Ex	20.40 km to SE	5	90	65	110			
Inishative	Ex	29.27 km to SE	5	71	64	99.5			
Altamookan & Extension	Ex	beyond 30 km	6	71	75	110.5	not shown on wireline	n/a	Beyond 30 km Study Area but forming a relatively contiguous cluster with a wind farm within the cumulative baseline for this Development; position of turbines illustrated on Figure 4.4 but not included in wirelines
Crockagarran & Extension	Ex		7	80	90	125			
Crockbaravally	Ex		3	93	80	126.5			
Eshmore & Extension	Ex		4	71	67	102.5			
Gortfinbar	Ex		5	101	74.5	125			
Pomeroy	Prop		3	unknown	unknown	unknown			
Slieve Divena & Extension	Ex		20	80 / 92	100 / 78.3	100 / 125			
<b>Sperrin Foothills Cluster</b>			37						
Carrickatane	Ex	12.80 km to NW	9	93	63.5	110	2, 3, 12, 13, 17, 19	6 no.	
Curryfree	Ex	13.81 km to NW	6	80	60	100			
Eglis	Ex	8.18 km to N	6	90	65	110			

Slieve Kirk	Ex	10.93 km to N	12	90	65	110			
Slieve Kirk Extension	Ex	12.66 km to N	4	82.4	68.3	110			
Wind Farms not within a cluster			21						
Ballyhanedin	Cons	12.3 km to NE	8	84	82	126	2, 16, 19	3 no.	
Beltonanean Road	Prop	22.15 km to SE	6	103	75	126.5	18	1 no.	
Clondermot	Ex	18.49 km to NW	1	70	75	110	none	none	
Magheramore	Prop	17.11 km to NE	6	112	94	150	2, 5, 16, 19	4 no.	
Lismullyduff	Cons	beyond 30 km		unknown	unknown	unknown	not shown on wireline	n/a	Beyond 30 km Study Area but forming a large group of turbines just beyond the western side of the Study Area; position of turbines illustrated on Figure 4.4 but not included in wirelines
			36						

\* Distance is measured between nearest turbines unless otherwise stated

**Total no. within the Study Area:**

Existing Wind Farms:	22	Existing Turbines:	184
Consented Wind Farms:	4	Consented Turbines:	25
<b>Sub total</b>	<b>26</b>	<b>Sub total</b>	<b>209</b>
Proposed Wind Farms:	3	Proposed Turbines:	16
<b>Total no. wind farms</b>	<b>29</b>	<b>Total no. of wind turbines:</b>	<b>225</b>