

Table - Details of the land cover classes (Memorandum dated 29/04/2015) and the model calculation

Location	Spatial extent (scale)	Height	Setback from sensitive properties (residences, schools)	Remaining Area (km ²) following removal of areas with mean wind speed below minimum threshold, and exclusion of agreed no-go areas	Percent of ROI land Area	Capacity available (MW)	Assumed % delivery rate	Assumed MW delivered
Mountain Moorland and hills	Existing guidelines	Existing guidelines	New					
	Tend towards large	Any height	150m	449.25	0.64%	4,492.50	15.00%	673.88
Transitional marginal land	Tend towards small	Medium	125m	47.67	0.07%	476.70	15.00%	71.51
	Ridges and hilltops preferred	Medium and short	125m	0.33	0.00%	3.30	15.00%	0.50
Flat farm land	Tend towards small	Medium	125m	56.69	0.08%	566.90	15.00%	85.04
Flat peat land	Large	Tall	170m	387.67	0.55%	3,876.70	30.00%	1,163.01
Urban/Industrial	Tend towards small	Short	100m	0.00	0.00%	0.00	15.00%	0.00
	Industrial	Short	100m	0.00	0.00%	0.00	15.00%	0.00
Lakeside	Tend towards small	-	Min 500m, multiplier of 8 (800m max) to apply only to inland lakes with a surface area >5km ²	0.00	0.00%	0.00	15.00%	0.00
	Set back from water	Tall may be acceptable	100m	0.00	0.00%	0.00	15.00%	0.00
				941.61	0.00%	9,416.10	15.00%	1,993.92

Republic of Ireland Land Area (km ²)	70,273
Capacity Intensity (MW per km ²)	10