



National Audit Office

Gas and Electricity Markets Authority
Department of Energy and Climate Change

Offshore electricity transmission: a new model for delivering infrastructure

Appendix Three

JUNE 2012

Offshore wind farm sites in Great Britain

The following table lists offshore wind farms and sites identified for future offshore wind farms in Great Britain. Except where wind farms are operational or the development is well advanced, the capacity figures given here are indicative only.

Site	Actual or estimated generating capacity (gigawatts)	Project stage	Estimated value of transmission assets ¹ (£m)
Wind farms where transmission assets fall into the licensing regime			
Licensing competitions round one			
Barrow	0.09	Operational	34 ³
Greater Gabbard	0.50	Partially operational	317
Gunfleet Sands ²	0.17	Operational	49 ³
Ormonde	0.15	Operational	101
Robin Rigg ²	0.18	Operational	66 ³
Sheringham Shoal	0.32	Partially operational	182
Thanet	0.30	Operational	163
Walney1	0.18	Operational	105 ³
Walney 2	0.18	Operational	105
Licensing competitions round two tranche a			
Gwynt y Mor	0.58	Construction	306
Lincs	0.27	Construction	311
London Array 1	0.63	Construction	476

Site	Actual or estimated generating capacity (gigawatts)	Project stage	Estimated value of transmission assets ¹ (£m)
Potential projects for future licensing competitions			
Burbo Bank Extension	0.23	Development	
Docking Shoal	0.54	Planning application submitted	
Galloper	0.50	Development	
Humber Gateway	0.22	Construction	
London Array 2	0.37	Planning application submitted	
Race Bank	0.62	Planning application submitted	
Triton Knoll	1.20	Planning application submitted	
Walney Extension	0.75	Development	
West Duddon	0.39	Construction	
Westermost Rough	0.24	Development	
Atlantic Array	Maximum potential capacity 32 to 37 gigawatts	Early development	
Dogger Bank		Early development	
East Anglia		Early development	
Firth of Forth		Early development	
Hornsea		Early development	
Irish Sea		Early development	
Moray Firth		Early development	
Rampion		Early development	
West Isle of Wight		Early development	

Site	Actual or estimated generating capacity (gigawatts)	Project stage	Estimated value of transmission assets ¹ (£m)
Projects in Scottish territorial waters			
Argyll Array	1.80	Development	
Beatrice	1.00	Development	
Inch Cape	0.91	Early development	
Islay	0.69	Early development	
Nearr Na Gaoithe	0.45	Development	
Wind farms outside the licensing scheme			
Aberdeen Bay	0.10	Development	
Blyth	– ⁴	Operational	
Blyth extension	0.10	Development	
Beatrice demonstration	0.01	Operational	
Burbo Bank	0.09	Operational	
Dudgeon	0.50	Planning application submitted	
Gunfleet Sands 3	0.12	Development	
Inner Dowsing	0.10	Operational	
Kentish Flats	0.09	Operational	
Kentish Flats Extension	0.05	Development	
Lynn	0.10	Operational	
North Hoyle	0.06	Operational	
Rhyl Flats	0.09	Operational	
Scroby Sands	0.06	Operational	
Teeside	0.06	Operational	

NOTES

- 1 Only projects which fall into the transitional part of the licensing regime have estimated values for transmission assets.
- 2 Combines data for two projects.
- 3 Asset value is the final agreed transfer value.
- 4 Blyth has a capacity of 4 megawatts (0.004 gigawatts).

Source: *The Crown Estate and the Authority*