

Offshore Wind Project Timelines

The content of this document has been developed in co-operation with the Offshore Wind Programme Board and The Crown Estate, with the support of the Offshore Wind Industry Council.

All data in this document has been validated by developers and is based on the best available information at the time of publication regarding their respective projects. As such, this information should be regarded as indicative and subject to change over time. The aim of publishing this information is to provide an insight (as of June 2015) into the timelines of offshore wind projects in the UK out to 2020 and beyond, showing the progression of the UK's offshore wind programme.



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June 2015 V1 (Data valid at time of publication)

Wind Projects Currently in Operation									
Reference	Round	Project	Current Phase	MW	Number of Turbines	Foundation*			Grid Connection
						Monopile	Jacket	Gravity	
1	1	Blyth Offshore	Operational	4	2	*			HVAC
2	1	North Hoyle	Operational	60	30	*			HVAC
3	1	Scroby Sands	Operational	60	30	*			HVAC
4	1	Kentish Flats 1	Operational	90	30	*			HVAC
5	1	Barrow	Operational	90	30	*			HVAC
6	1	Beatrice Demonstrator	Operational	10	2	*			HVAC
7	1	Burbo Bank	Operational	90	25	*			HVAC
8	1	Lynn & Inner Dowsing	Operational	194	54	*			HVAC
9	1	Rhyl Flats	Operational	90	25	*			HVAC
10	1	Gunfleet Sands 1	Operational	108	30	*			HVAC
10	2	Gunfleet Sands 2	Operational	65	18	*			HVAC
11	1	Robin Rigg A&B	Operational	180	60	*			HVAC
12	2	Thanet	Operational	300	100	*			HVAC
13	2	Walney (Phase 1 & Phase 2)	Operational	367	102	*			HVAC
14	1	Ormonde	Operational	150	30	*			HVAC
15	Demo	Gunfleet 3	Operational	12	2	*			HVAC
16	2	Greater Gabbard	Operational	504	140	*			HVAC
17	2	Sheringham Shoal	Operational	317	88	*			HVAC
18	2	London Array	Operational	630	175	*			HVAC
19	1	Teesside	Operational	62	27	*			HVAC
20	2	Lincs	Operational	270	75	*			HVAC
21	2	Gwynn y Môr	Operational	576	160	*			HVAC
22	2	West of Duddon Sands	Operational	389	108	*			HVAC
23	2	Westermost Rough	Operational	210	35	*			HVAC
24	2	Humber Gateway	Operational	219	73	*			HVAC
25	Demo	Energy Park Fife	Operational	7	1	*			

Wind Projects Currently in Development											
Reference	Round	Project	Current Phase	MW	Number of Turbines	Foundation*			Grid Connection	Avg Water Depth (m)	Distance to Shore (km)
						Monopile	Jacket	Gravity			
26	Extn	Kentish Flats Extension	Construction	50	15	*			HVAC	4.5	8.5
27	2	Dudgeon	Consented	402	67	*			HVAC	18-27	35
28	2	Race Bank	Consented	580	91	*			HVAC	4-22	32
29	Demo	Aberdeen Bay (EOWDC)	Consented	<100	11					25	3
30	Extn	Gallopier	Consented	340	56-68					30	40
31	3	Moray Firth – Eastern Dev Area 1	Consented	504	46-62	*	*		HVAC	42	22
32	3	Moray Firth – Eastern Dev Area 2	Consented	496	46-62	*	*		HVAC	45	22
33	STW	Beatrice	Consented	664	84-86	*			HVAC	45	18.4
34	STW	Neart na Gaoithe	Consented	450	<75	*			HVAC	50	38
35	Extn	Burbo Bank Extension	Consented	258	32	*			HVAC	9.7	8
36	3	East Anglia Offshore Wind 1	Consented	714	89-102	*			HVAC		43
37	3	Rampion	Consented	400	116	*			HVAC	30	17
38	Extn	Walney Extension	Consented	<660	<90	*	*		HVAC	30	56
39	STW	Inch Cape	Consented	750	95-110					50	22
40	3	Dogger Bank Creyke Beck	Consented	2400	400				HVDC	27	140
41	3	Hornsea – Heron Wind & Njord	Consented	1200	150-240	*	*			30	130
42	3	Firth of Forth Phase 1	Consented	1050	<150					55	40
43	Demo	Blyth Offshore Demo	Consented	40	5	*			DNO	37	6
44	3	Dogger Bank Teesside A&B	Planning	2400	400				HVDC	27	190
45	3	Hornsea Optimus Wind & Breesea	Planning	1800	260					35	120
46	3	Navitus Bay	Planning	970	<121				HVAC	37	25
47	2	Triton Knoll	Planning	900	75-150	*			HVAC	18	40
48	3	Moray Firth – Western Dev Area	Development								
49	3	Firth of Forth Phase 2	Development	1800						55	50
50	3	Firth of Forth Phase 3	Development	800						55	50
51	3	Dogger Bank Teesside C&D	Development	2400	400				HVDC	27	175
52	3	Hornsea (remaining)	Development	2000	300-400						120
53	3	East Anglia Offshore Wind 2	Development								
54	3	East Anglia Offshore Wind 3	Development	1200	<172						69
55	3	East Anglia Offshore Wind 4	Development	<1200							
56	3	East Anglia Offshore Wind 5	Development	<1200							
57	3	East Anglia Offshore Wind 6	Development	<1200							
58	STW	Islay	On Hold	690						40	19

Current Capacity

5.05GW
operating wind farms

0.05GW
wind farms under construction

11.01GW
wind farms with planning permission

6.07GW
wind farms in the planning process

14.2GW
wind farms in development

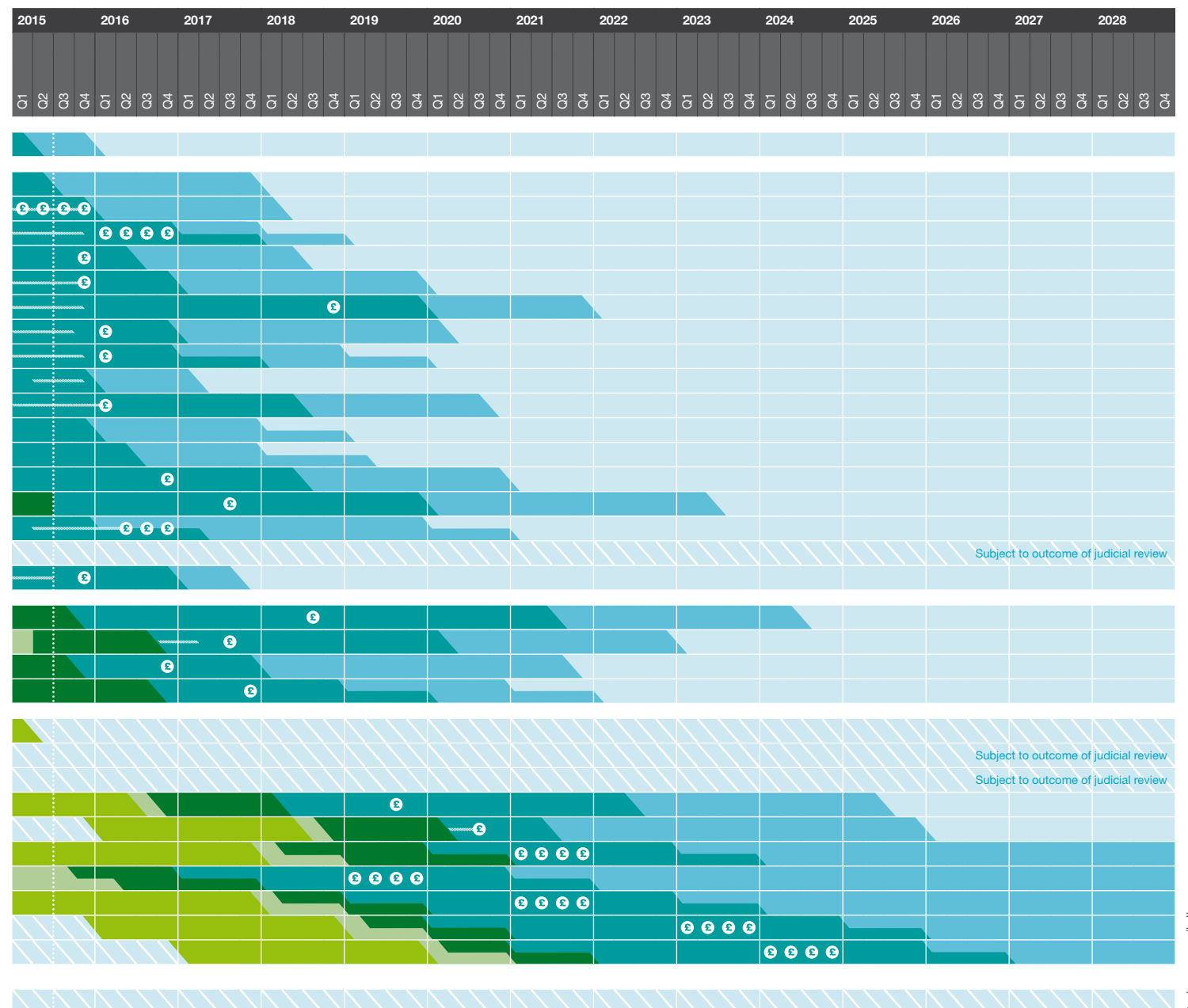
1GW
powers 701,301 homes per annum

Acknowledgements

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Phases of Offshore Wind Farm Development

Development	Pre-Construction	Data Unavailable at this Time	Please note that this data should be considered as indicative and is likely to change over time.
Consent Application	Offshore Construction	Financial Investment Decision	
Consent Evaluation	In Full Operation	Invitation to Tender	



Since publication of the 2014 Timelines, the following projects have announced they will not be proceeding as planned: Celtic Array, First Flight Wind. * Where multiple foundation types are indicated, a mixture of foundation types may be considered, or a decision is pending

Offshore Wind Projects

This document shows that the UK's offshore sector continues to grow. There is now 5.05GW of offshore wind capacity operational across 25 offshore wind sites.

Since the publication of the 2014 edition of the Timelines 1.4GW of generation capacity has come on-line. Beyond this sits a longer term deployment pipeline into the 2020s. Industry ambition could potentially see up to 25GW of offshore wind in operation by midway through the next decade. This offshore wind success story is the result of industry and Government working closely together to deliver on our ambition of a new important industry providing low carbon generation to UK homes and businesses.



Offshore Wind Project Timelines 2015

2015
Offshore Wind Project Timelines



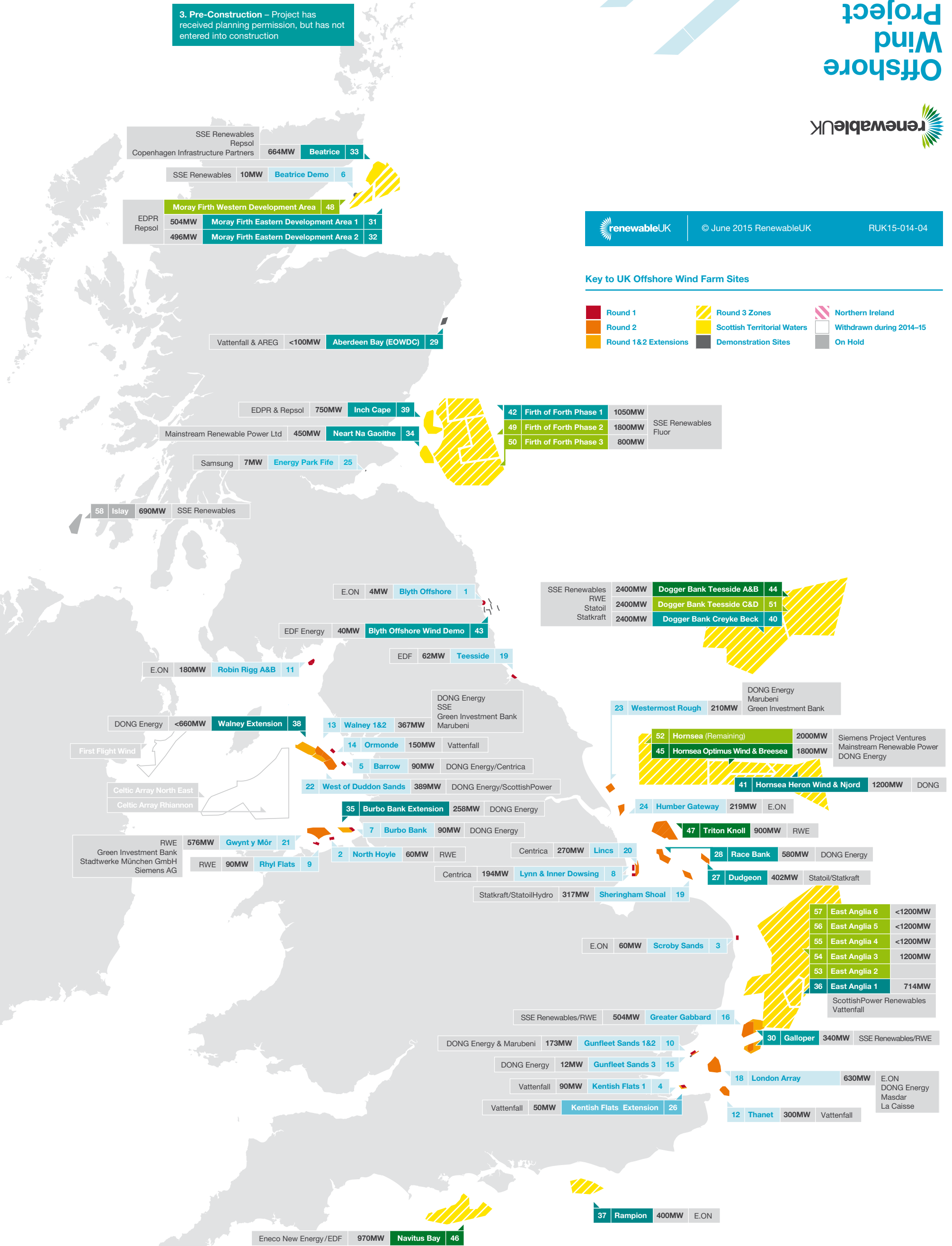
June 2015 V1 (Data valid at time of publication)

This map shows the geographical location, project name, developer and capacity of the UK's offshore wind farm developments.

The chart overleaf shows the current expected delivery timeline for every offshore wind project in development in the UK.

Phases of Offshore Wind Farm Development

<p>1. In Development – Development site/area has been awarded to the developer by The Crown Estate</p>	<p>4. Under Construction – Offshore construction has commenced but has not yet been commissioned</p>
<p>2. In Planning – Project has applied for planning consent and is being evaluated</p>	<p>5. Operational – The entire project is operational and generating power</p>
<p>3. Pre-Construction – Project has received planning permission, but has not entered into construction</p>	



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Key to UK Offshore Wind Farm Sites

Round 1	Round 3 Zones	Northern Ireland
Round 2	Scottish Territorial Waters	Withdrawn during 2014-15
Round 1&2 Extensions	Demonstration Sites	On Hold

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