

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 May 2014) 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.

May 2014 V1 (Data valid at time of publication)

Wind Projects Currently in Operation									
Reference	Round	Project	Current Phase	MW	Number of Turbines	Foundation*			Grid Connection
						Mongole	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

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)
						Mongole	Jacket	Gravity			
21	2	Gwynt y Môr	Construction	576	160	•			HVAC	20	16
22	2	Humber Gateway	Construction	219	73	•			HVAC	15	10
23	2	Westermost Rough	Construction	210	35	•			HVAC		8
24	Demo	Energy Park Fife	Construction	7	1	•					
25	2	West of Duddon Sands	Construction	389	108	•			HVAC	20	35
26	2	Dudgeon	Consented	402	67	•			HVAC	18-27	35
27	2	Race Bank	Consented	580	91	•			HVAC	4-22	32
28	Extn	Kentish Flats Extension	Consented	50	15	•			HVAC	4.5	8.5
29	Demo	Aberdeen Bay (EOWDC)	Consented	<100	11					20-30	3
30	Extn	Galloner	Consented	340	55-85	•				25-39	27
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	83-110	•			HVAC	45	18.4
34	Demo	Blyth Offshore Demo	Consented	<100	15						
35	STW	Nearb na Gaoithe	Planning	450	75	•	•		HVAC	50	20
36	Extn	Burbo Bank Extension	Planning	258	32	•			HVAC	9.7	8
37	3	East Anglia Offshore Wind 1	Planning	1200	240	•	•		HVDC	40	43
38	3	Rampion	Planning	700	100-175	•	•			30	17
39	Extn	Walney Extension	Planning	660-750	110-125	•	•		HVAC	30	56
40	STW	Inch Cape	Planning	750	95-110					50	22
41	3	Dogger Bank Creyke Beck	Planning	2400	400				HVDC	27	140
42	3	Dogger Bank Teesside A&B	Planning	2400	400				HVDC	27	190
43	3	Hornsea - Heron Wind & Njord	Planning	1200	150-332	•	•			30	130
44	3	Navitus Bay	Planning	970	121-194	•	•	•	HVAC	37	25
45	3	Firth of Forth Phase 1	Planning	1050	150					55	40
46	2	Triton Knoll	Development	900	100-150	•			HVAC	18	36
47	3	Moray Firth - Western Dev Area	Development								
48	3	Firth of Forth Phase 2	Development	1800						50	50
49	3	Firth of Forth Phase 3	Development	800						50	50
50	3	Dogger Bank Teesside C&D	Development	2400	400				HVDC	32	175
51	3	Hornsea Optimus Wind & Breesea	Development	1800	360					35	110
52	3	Hornsea (remaining)	Development	2000	400					25-50	100-150
53	3	East Anglia Offshore Wind 2	Development	1200							
54	3	East Anglia Offshore Wind 3	Development	1200	120-172	•	•	•	HVDC		90
55	3	East Anglia Offshore Wind 4	Development	1200					HVDC		90
56	3	East Anglia Offshore Wind 5	Development	1200							
57	3	East Anglia Offshore Wind 6	Development	1200							
58	3	Celtic Array Rhannon	Development		147-400						
59	3	Celtic Array North East	Development	4200						45	28
60	NI	First Flight Wind	Development	600	40-120				HVAC	37	15
61	STW	Islay	On Hold	690						40	19

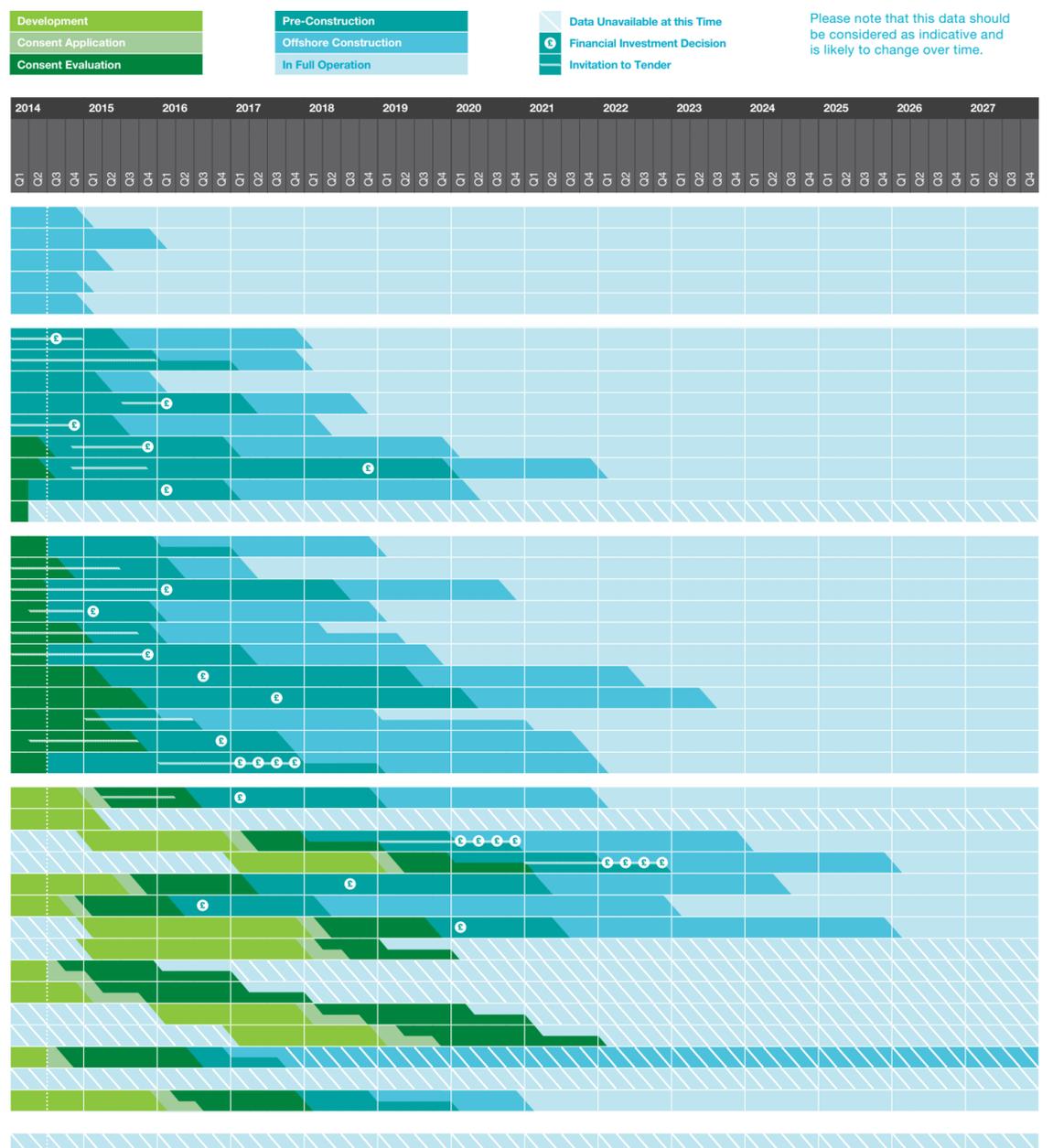
Current Capacity



Acknowledgements

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Phases of Offshore Wind Farm Development



Since publication of the 2013 Timelines, the following projects have announced they will not be proceeding as planned: Atlantic Array, Argyll Array, London Array (Phase 2), Dogger Bank Tranche D. * Where multiple foundation types are indicated, a mixture of foundation types may be considered, or a decision is pending

Offshore Wind Projects

May 2014 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.

This document shows that the UK's offshore sector continues to grow. There is now 3.65GW of offshore wind capacity operational across 22 offshore wind sites.

Since the publication of the 2013 edition of the Timelines 330MW of generation capacity has come on-line, with a further 1.4GW under construction. Beyond this sits a longer term deployment pipeline into the 2020s. Industry ambition could potentially see up to 30GW 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 2014

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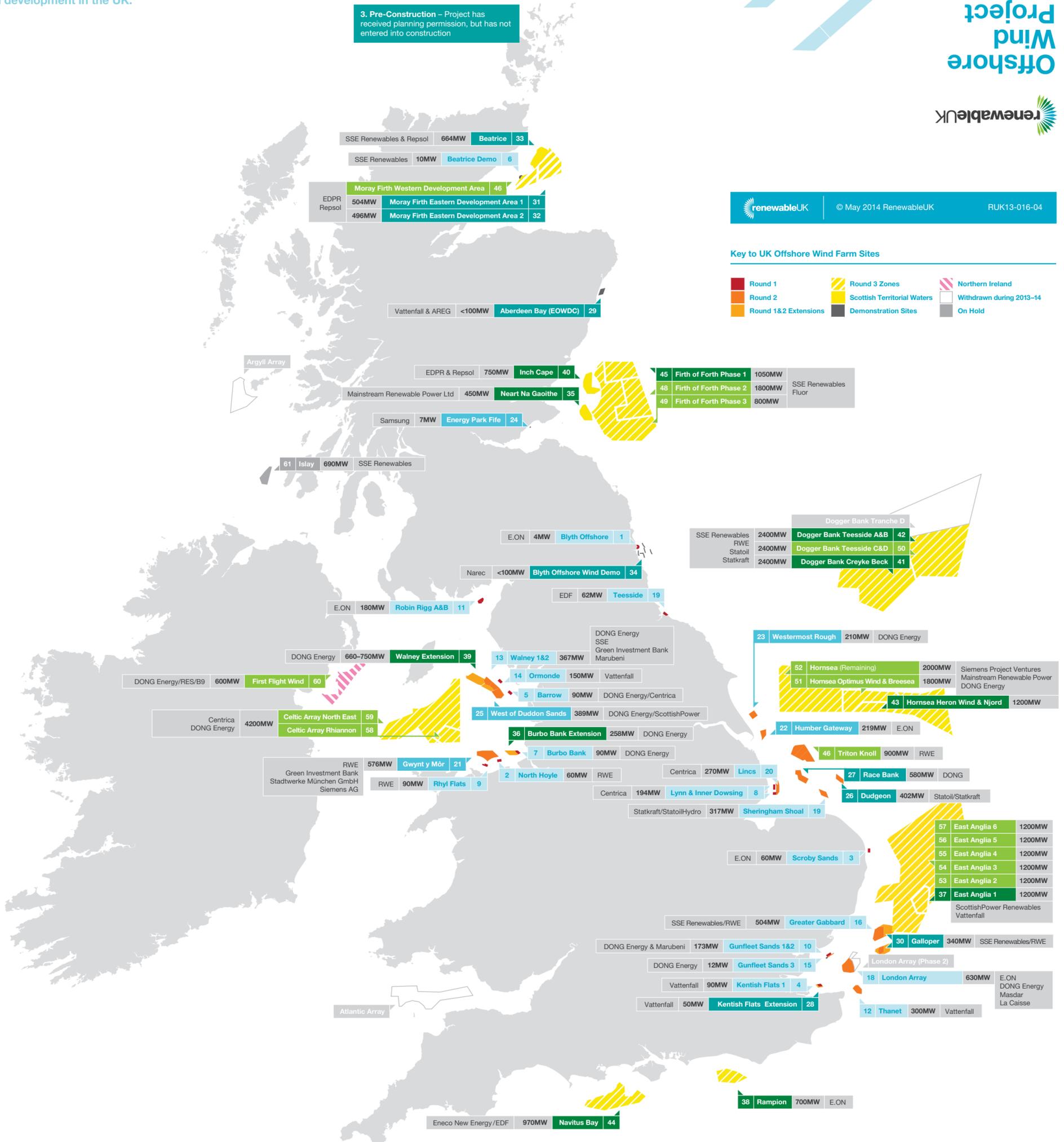
Phases of Offshore Wind Farm Development

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

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Key to UK Offshore Wind Farm Sites

- Round 1
- Round 2
- Round 1&2 Extensions
- Round 3 Zones
- Scottish Territorial Waters
- Demonstration Sites
- Northern Ireland
- Withdrawn during 2013-14
- On Hold



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