

Offshore Wind Project Timelines

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 2017) 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, and to support the work of the Offshore Wind Industry Council and the Offshore Wind Programme Board.

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June 2017 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	174	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 Sands 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	Gwynt 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	Levenmouth Turbine	Operational	7	1	•			
26	Extn	Burbo Bank Extension	Operational	258	32	•			HVAC
27	Extn	Kentish Flats Extension	Operational	50	15	•			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)
						Monopile	Jacket	Gravity			
28	2	Dudgeon	Construction	402	67	•			HVAC	18-27	35
29	2	Race Bank	Construction	573	91	•			HVAC	4-22	32
30	Extn	Galloper	Construction	336	56	•			HVAC	27-36	27
31	STW	Beatrice	Construction	588	84	•			HVAC	45	18.4
32	Extn	Walney Extension	Construction	<660	<90	•			HVAC	30	56
33	3	Rampion	Construction	400	116	•			HVAC	30	17
34	Demo	Hylwin	Construction	30	5					100	25
35	Demo	Aberdeen Bay (EOWDC)	Consented	100	11					25	3
36	3	Moray Firth—East Dev Area 1	Consented	504	46-62	•	•		HVAC	42	22
37	STW	Neart na Goithe	Consented	450	56-64	•			HVAC	50	20
38	3	East Anglia 1	Consented	714	102	•			HVAC		43
39	STW	Inch Cape	Consented	750	95-110					50	22
40	3	Dogger Bank Creyke Beck A	Consented	<1200	<200				HVDC	27	150
41	3	Dogger Bank Creyke Beck B	Consented	<1200	<400				HVDC	27	140
42	3	Hornsea—Project 1	Consented	1200	174	•	•		HVAC	30	120
43	3	Hornsea—Project 2	Consented	1800	<300				HVAC	35	120
44	3	Firth of Forth 1—Alpha & Bravo	Consented	1050	<150					55	40
45	Demo	Blyth Offshore Wind Demo	Consented	40	5	•			DNO	37	6
46	3	Dogger Bank Teeside A	Consented	<1200	<200				HVDC	27	215
47	3	Dogger Bank Teeside B	Consented	<1200	<200				HVDC	27	180
48	2	Triton Knoll	Consented	900	75-150	•			HVAC	18	40
49	Demo	Kincardine	Consented	48	8					60-80	15
50	Demo	Downreay Tri	Consented	10	2					60-90	7
51	3	Hornsea—Project 3	Planning	2400						30-40	120
52	3	East Anglia Offshore Wind 3	Planning	1200	100-172					35-45	75
53	3	Moray Firth—Western Dev Area	Development	750	<90					34-54	22.5
54	3	Firth of Forth Phase 2	Development	1800						55	50
55	3	Firth of Forth Phase 3	Development	800						55	50
56	3	East Anglia 1 North	Development	600-800	circa 115					33-59	
57	3	East Anglia 2	Development	600-800	circa 115					30-72	31
58	3	Norfolk Vanguard	Development	<1800	90-257					36	67-98
59	Ext	Thanet Extension	Development	<340	<34	•	•			22	14
60	3	Thanet - Project 4	Development	1000						55	50
61	3	Norfolk Boreas	Development	TBC							
62	STW	Islay	On Hold	690						40	19

* Where multiple foundation types are indicated, a mixture of foundation types may be considered, or a decision is pending

Current Capacity

5.36GW
operating wind farms

2.97GW
wind farms under construction

12.97GW
wind farms with planning permission

3.6GW
wind farms in the planning process

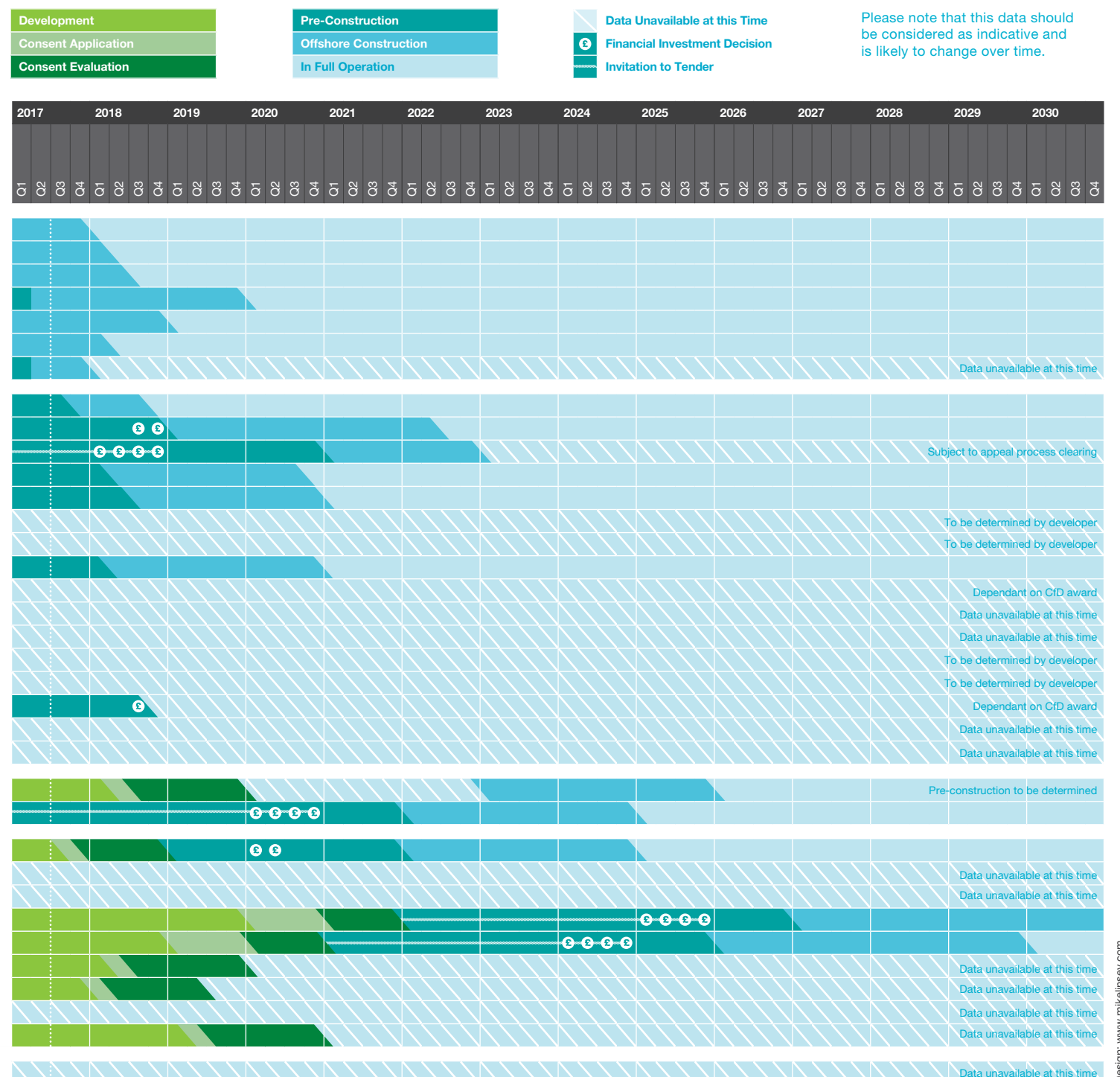
8.09GW
wind farms in development

1GW
powers 742,524 homes per annum

Acknowledgements

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Phases of Offshore Wind Farm Development



Offshore Wind Projects

June 2017 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 5.36GW of offshore wind capacity operational across 27 offshore wind sites.

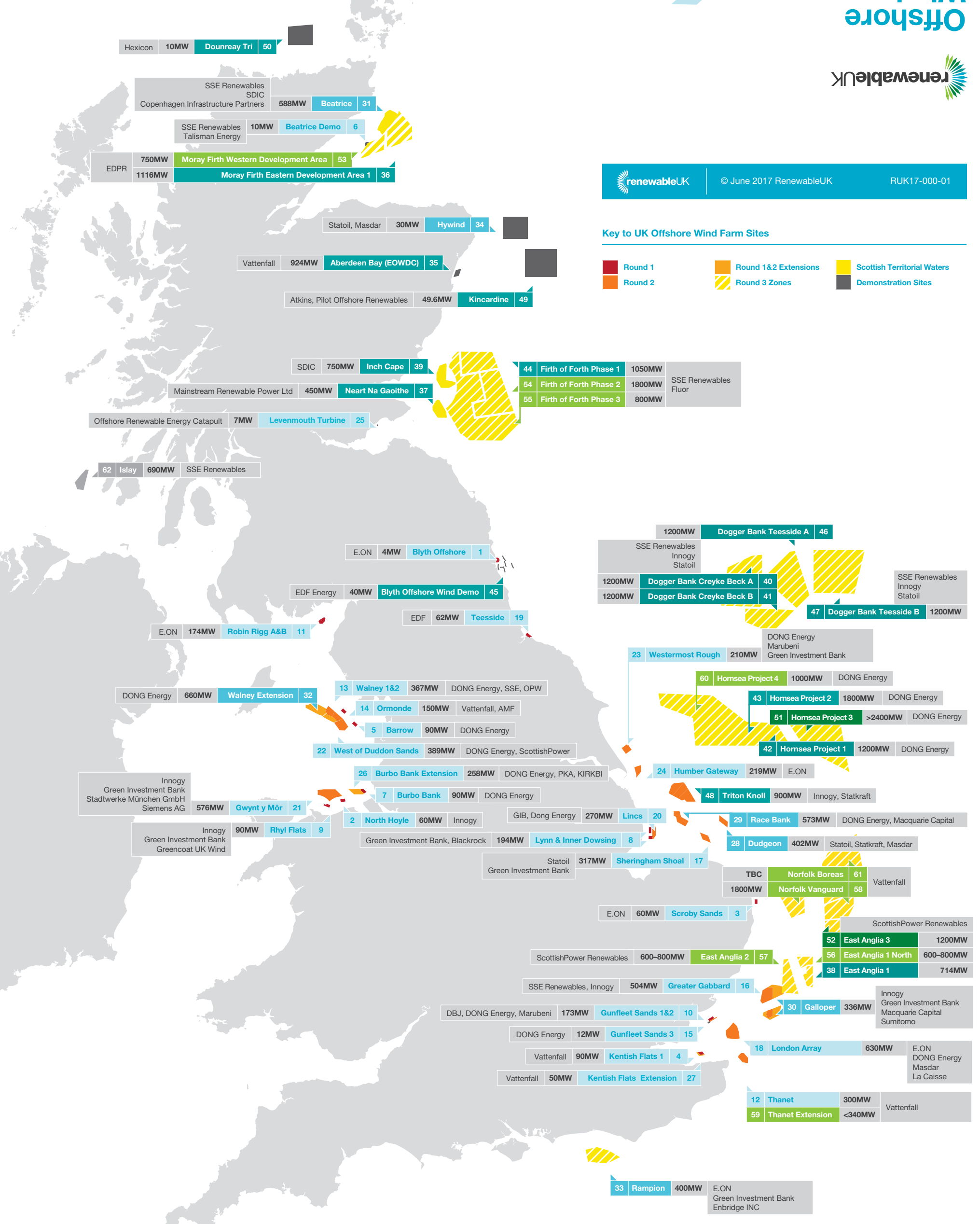
Since the publication of the 2016 edition of the Timelines 258MW of generation capacity has come on-line. Beyond this sits a longer term deployment pipeline into the 2020s. Industry ambition could potentially see up to 24GW of offshore wind in operation by midway through the next decade. This offshore 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 2017

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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