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 2018) 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.

June 2017 V1 (Data valid at time of publication)

Wind Projects Currently in Operation

Reference	Round	Project	Current Phase	MW	Number of Turbines	Foundation* Monopile	Foundation* Jacket	Foundation* Gravity	Grid Connection
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
28	2	Race Bank	Operational	573	91	•			HVAC
29	2	Dudgeon	Operational	402	67	•			HVAC
30	Extn	Galloper	Operational	353	56	•			HVAC
31	3	Rampion	Operational	400	116	•			HVAC
32	Demo	Hywind	Operational	30	5				
33	Demo	Blyth Offshore Wind	Operational	41.5	5			•	

Wind Projects Currently in Development

Reference	Round	Project	Current Phase	MW	Number of Turbines	Foundation* Monopile	Foundation* Jacket	Foundation* Gravity	Grid Connection	Avg Water Depth (m)	Distance to Shore (km)
34	STW	Beatrice	Construction	558	84	•			HVAC	18–27	35
35	3	East Anglia One	Construction	714	102	•			HVAC	4–22	32
36	Extn	Walney Extension	Construction	659	87	•			HVAC	27-36	27
37	Demo	Aberdeen Bay (EOWDC)	Construction	92.4	11		•		HVAC	45	18.4
38	3	Hornsea—Project 1	Construction	1218	174	•	•		HVAC	30	56
39	Demo	Kincardine Phase 1	Consented	2	1					60–80	15
40	Demo	Kincardine Phase 2	Consented	48	6					68–80	15
41	Demo	Dounreay Tri	Consented	10	2					60–90	7
42	3	Moray Firth—East	Consented	950	100		•	•	HVAC	42	22
43	STW	Neart na Goithe	Consented	448	<64		•		HVAC	50	18
44	3	Hornsea—Project 2	Consented	1386	165	•			HVAC	36	89
45	2	Triton Knoll	Consented	860	90	•			HVAC	15–24	32–49
46	STW	Inch Cape	Consented	<700	40-90				HVAC	36–63	20
47	3	Dogger Bank Creyke Beck A	Consented	<1200	<200				HVDC	27	150
48	3	Dogger Bank Creyke Beck B	Consented	<1200	<400				HVDC	27	140
49	3	Dogger Bank Teeside A	Consented	<1200	<200				HVDC	27	215
50	3	Sofia	Consented	<1200	<200				HVDC	28	180
51	3	Firth of Forth 1—Alpha & Bravo	Consented	1050	up to 150					55	40
52	3	East Anglia Three	Consented	1200	100–172					35–45	75
53	3	Hornsea—Project 3	Planning	<2400	<300					30–40	130
54	3	Moray Firth - West	Development	800	85					35-54	22.5
55	3	Firth of Forth Phase 2	Development	1800						55	50
56	3	Firth of Forth Phase 3	Development	800						55	50
57	3	East Anglia One North	Development	800	circa 115					33–59	36
58	3	East Anglia Two	Development	900	circa 115					30–72	31
59	3	Norfolk Vanguard	Development	<1800	90-257					36	67–98
60	Extn	Thanet Extension	Development	<340	<34	•	•			22	14
61	3	Hornsea - Project 4	Development	1200						55	50
62	3	Norfolk Boreas	Development	<1800							

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

Current Capacity

7.16GW operating wind farms

3.24GW wind farms under construction

11.46GW wind farms with planning permission

2.4GW wind farms in the planning process

10.24GW wind farms in development

1GW powers 742,524 homes per annum

Acknowledgements

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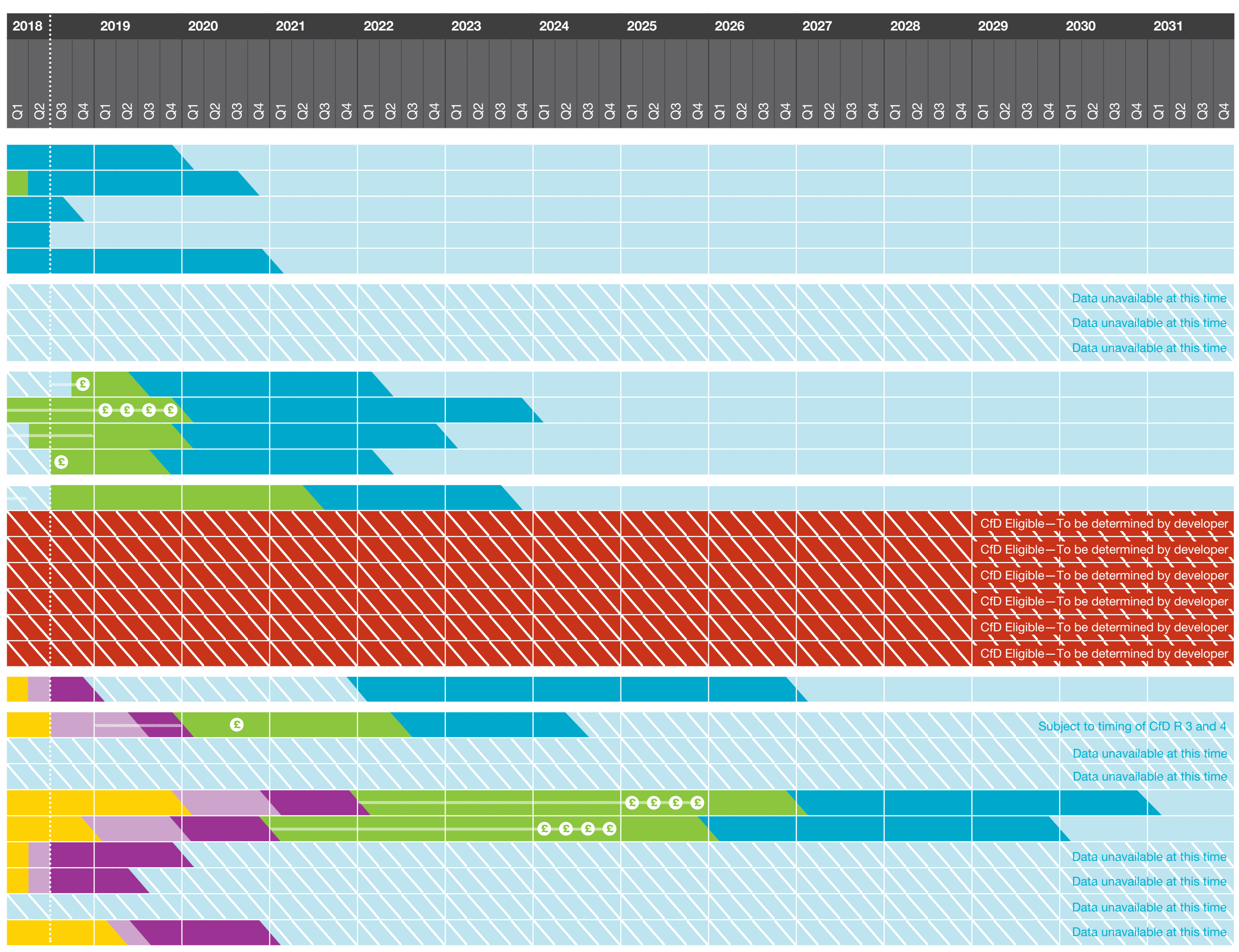
Phases of Offshore Wind Farm Development

- Development
- Consent Application
- Consent Evaluation
- Pre-Construction
- Under Construction
- In Full Operation
- CfD Eligible
- CfD Secured
- Data Unavailable at this Time
- Financial Investment Decision
- Invitation to Tender

Please note that this data should be considered as indicative and is likely to change over time.



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Offshore Wind Projects

This document shows that the UK's offshore sector continues to grow. There is now 7.16GW of offshore wind capacity operational across 33 offshore wind sites.

Since the publication of the 2017 edition of the Timelines 1.8GW of generation capacity has come on-line. Beyond this sits a longer term deployment pipeline into the 2020s. The UK offshore wind industry has committed to work with the UK Government on a transformative Sector Deal, which by 2030 could deliver thousands of additional skilled jobs in coastal areas, and billions of pounds worth of export opportunities.

With this deal the industry aims to generate one third of the UK's electricity from offshore wind by 2030. This scaled up ambition, coupled with the Government's Clean Growth Strategy, means the industry will more than double its capacity from 13GW deployed or contracted today, to 30GW by 2030.

renewableUK 40 years

Offshore Wind Project Timelines 2018

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renewableUK 40 years

June 2018 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.

1. Operational – The entire project is operational and generating power

2. Under Construction – Offshore construction has commenced but has not yet been commissioned

3. Pre-Construction – Project has received planning permission, but has not entered into construction

4. CfD Secured – Projects that have received a Contract for Difference (CfD) but have yet to begin construction.

5. CfD Eligible – Projects that are deemed eligible to bid for a Contract for Difference (CfD) are those that have received planning consent and that have a grid connection date agreed with National Grid.

6. In Planning – Project has applied for planning consent and is being evaluated

7. In Development – Development site/area has been awarded to the developer by The Crown Estate