

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 September 2020) into the timelines of offshore wind projects in the UK out to 2030.

September 2020 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	North Hoyle	Operational	60	30	•			HVAC	
2	1	Scroby Sands	Operational	60	30	•			HVAC	
3	1	Kentish Flats 1	Operational	90	30	•			HVAC	
4	1	Barrow	Operational	90	30	•			HVAC	
5	1	Burbo Bank	Operational	90	25	•			HVAC	
6	1	Lynn & Inner Dowsing	Operational	194	54	•			HVAC	
7	1	Rhyl Flats	Operational	90	25	•			HVAC	
8	1	Gunfleet Sands 1	Operational	108	30	•			HVAC	
9	2	Gunfleet Sands 2	Operational	65	18	•			HVAC	
10	1	Robin Rigg A&B	Operational	174	60	•			HVAC	
11	2	Thanet	Operational	300	100	•			HVAC	
12	2	Walney (Phase 1 & Phase 2)	Operational	367	102	•			HVAC	
13	1	Ormonde	Operational	150	30	•			HVAC	
14	Demo	Gunfleet 3	Operational	12	2	•			HVAC	
15	2	Greater Gabbard	Operational	504	140	•			HVAC	
16	2	Sheringham Shoal	Operational	317	88	•			HVAC	
17	2	London Array (Phase 1)	Operational	630	175	•			HVAC	
18	1	Teesside	Operational	62	27	•			HVAC	
19	2	Lincs	Operational	270	75	•			HVAC	
20	2	Gwyn y Môr	Operational	576	160	•			HVAC	
21	2	West of Duddon Sands	Operational	389	108	•			HVAC	
22	2	Westermost Rough	Operational	210	35	•			HVAC	
23	2	Humber Gateway	Operational	219	73	•			HVAC	
24	Demo	Levenmouth Turbine	Operational	7	1	•				
25	Extn	Burbo Bank Extension	Operational	258	32	•			HVAC	
26	Extn	Kentish Flats Extension	Operational	50	15	•			HVAC	
27	2	Race Bank	Operational	573	91	•			HVAC	
28	2	Dudgeon	Operational	402	67	•			HVAC	
29	Extn	Galloper	Operational	353	56	•			HVAC	
30	3	Rampion	Operational	400	116	•			HVAC	
31	Demo	Hywind	Operational	30	5					
32	Demo	Blyth Offshore Wind	Operational	41.5	5					
33	STW	Beatrice	Operational	588	84	•			HVAC	
34	3	East Anglia One	Operational	714	102	•			HVAC	
35	Extn	Walney Extension	Operational	659	87	•			HVAC	
36	Demo	Aberdeen Bay (EOWDC)	Operational	93.2	11	•				
37	3	Hornsea—Project 1	Operational	1218	174	•			HVAC	
38	Demo	Kincardine Phase 1	Operational	714	102	•			HVAC	

Wind Projects Currently in Development										
Reference	Round	Project	Current Phase	MW	Number of Turbines	Foundation*			Avg Water Depth (m)	Distance to Shore (km)
						Monopile	Jacket	Gravity		
39	Demo	Kincardine Phase 2	Construction	48	5				70	15
40	3	Moray Firth—East	Construction	950	100	•			42	22
41	STW	Near na Goithe	Construction	448	54	•			50	18
42	2	Triton Knoll	Construction	857	90	•			18	42
43	3	Hornsea—Project 2	Construction	1386	165	•			36	89
44	3	Seagreen	Consented	1075	114	•			51.7	42
45	3	Dogger Bank A	Consented	1200	95	•			27	150
46	3	Dogger Bank B	Consented	1200	95	•			27	150
47	3	Dogger Bank C	Consented	1200	TBC	•			27	215
48	3	Sofia	Consented	1400	100–130	•			29	214
49	Demo	Forthwind	Consented	12	2	•			12	1.5
50	3	East Anglia Three	Consented	1400	<121	•			39	75
51	STW	Inch Cape	Consented	1000	72	•			50	20
52	3	Norfolk Vanguard	Consented	1800	<158				35	75
53	3	Moray Firth—West	Consented	800	<85				43	25
54	3	Hornsea—Project 3	Planning	<2400	<231				30–40	130
55	3	East Anglia One North	Planning	800	<67	•			46	48
56	3	East Anglia Two	Planning	900	<75	•			45	38
57	3	Norfolk Boreas	Planning	1800	<158				35	90
58	3	Berwick Bank	Development	<2300	TBC				55	40
59	3	Marr Bank	Development	<1850	TBC				55	40
60	3	Hornsea Project Four	Development	<2600	TBC				49	70
61	Demo	Erebus Floating Wind Demo	Development	96	7–10				70–75	45
62	Extn	Awel y Mor	Development	TBC	TBC				30	14.2
63	Extn	Rampion 2	Development	800–1200	50–80				40	13
64	Extn	Five Estuaries	Development	353	TBC				32	36
65	Extn	North Falls	Development	504	TBC				30.4	42.5
66	Extn	Dudgeon Extension	Development	402	TBC				27	34
67	Extn	Sheringham Shoal Extension	Development	317	TBC				18	20

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

Current Capacity

10.415GW
operating
wind farms

3.69GW
wind farms under
construction

5.9GW
wind farms
in the planning
process

11.09GW
wind farms
with planning
permission

9.62GW
wind farms in
development
(at least)

1GW
powers 940,888
homes per annum

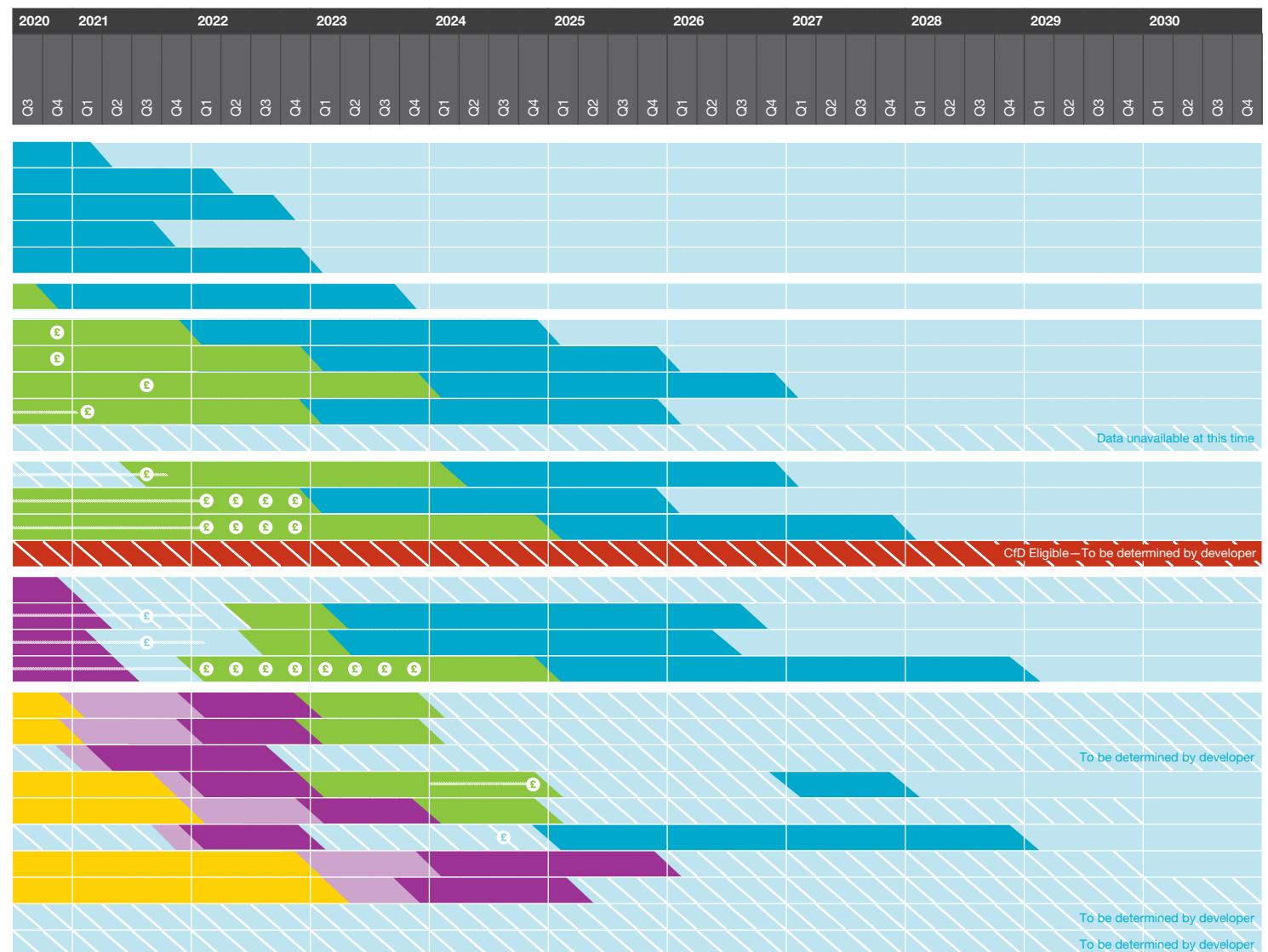
Acknowledgements

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Phases of Offshore Wind Farm Development



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



Offshore Wind Projects

This document shows that the UK's offshore sector continues to grow rapidly. There is now 10.415GW of offshore wind capacity operational across 38 offshore wind sites.

Since the publication of the 2018 edition of the Timelines, 3.26GW of new generation capacity has come on-line. Beyond this sits a longer-term deployment pipeline out to 2030.

The UK Government has set a target of 40GW by 2030, with offshore wind set to become the backbone of our electricity system. Meeting this target - alongside our wider Sector Deal ambitions - will secure tens of billions of pounds of new investment, support thousands of new jobs and create opportunities to export to global markets.



Offshore Wind Project Timelines 2020

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September 2020 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 overlaid 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

