

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 |

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

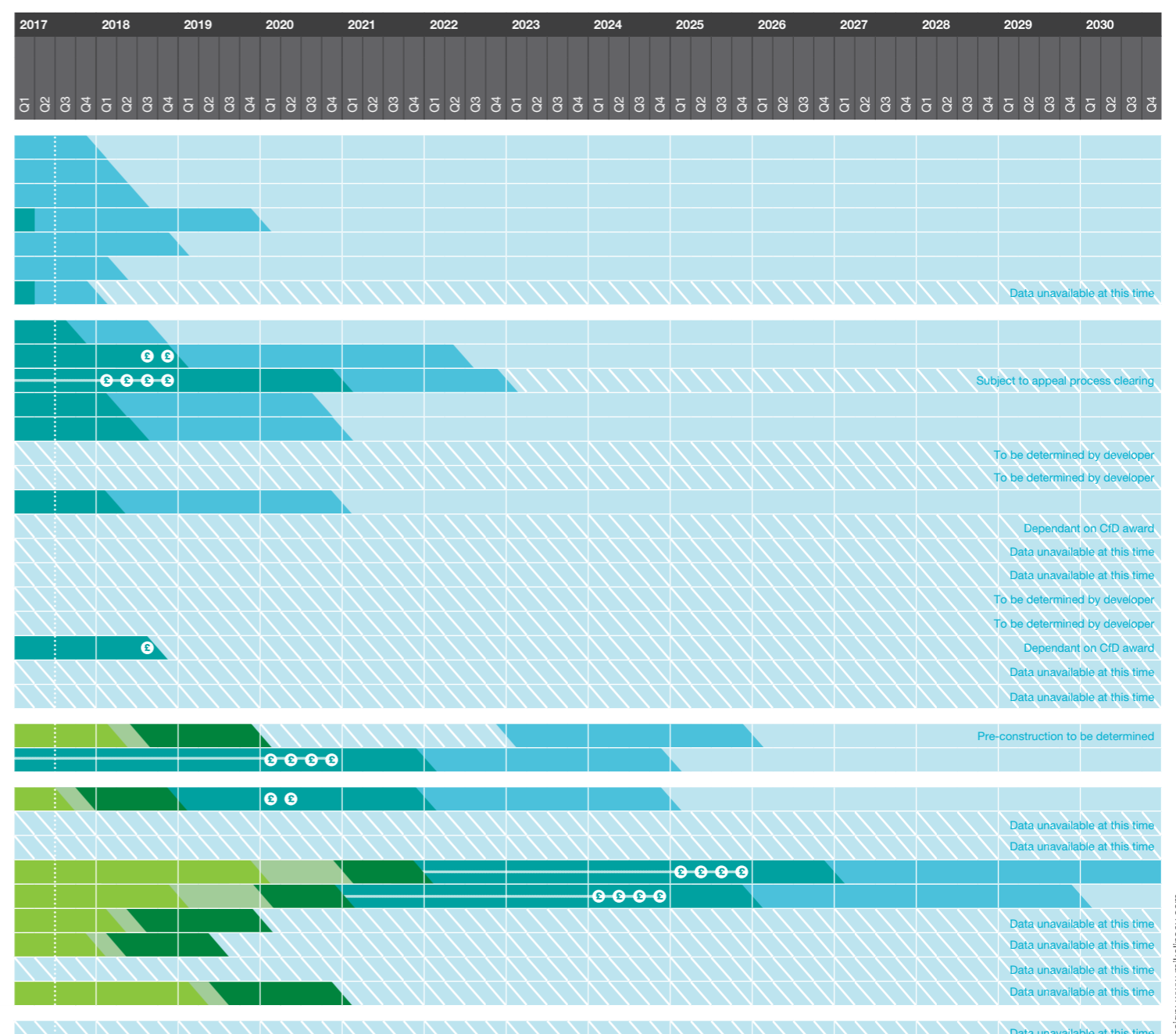
With thanks to developers, the Offshore Wind Programme Board, the Offshore Wind Industry Council, The Crown Estate and La Tene Maps.

| 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

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 | |
| | | | |



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.

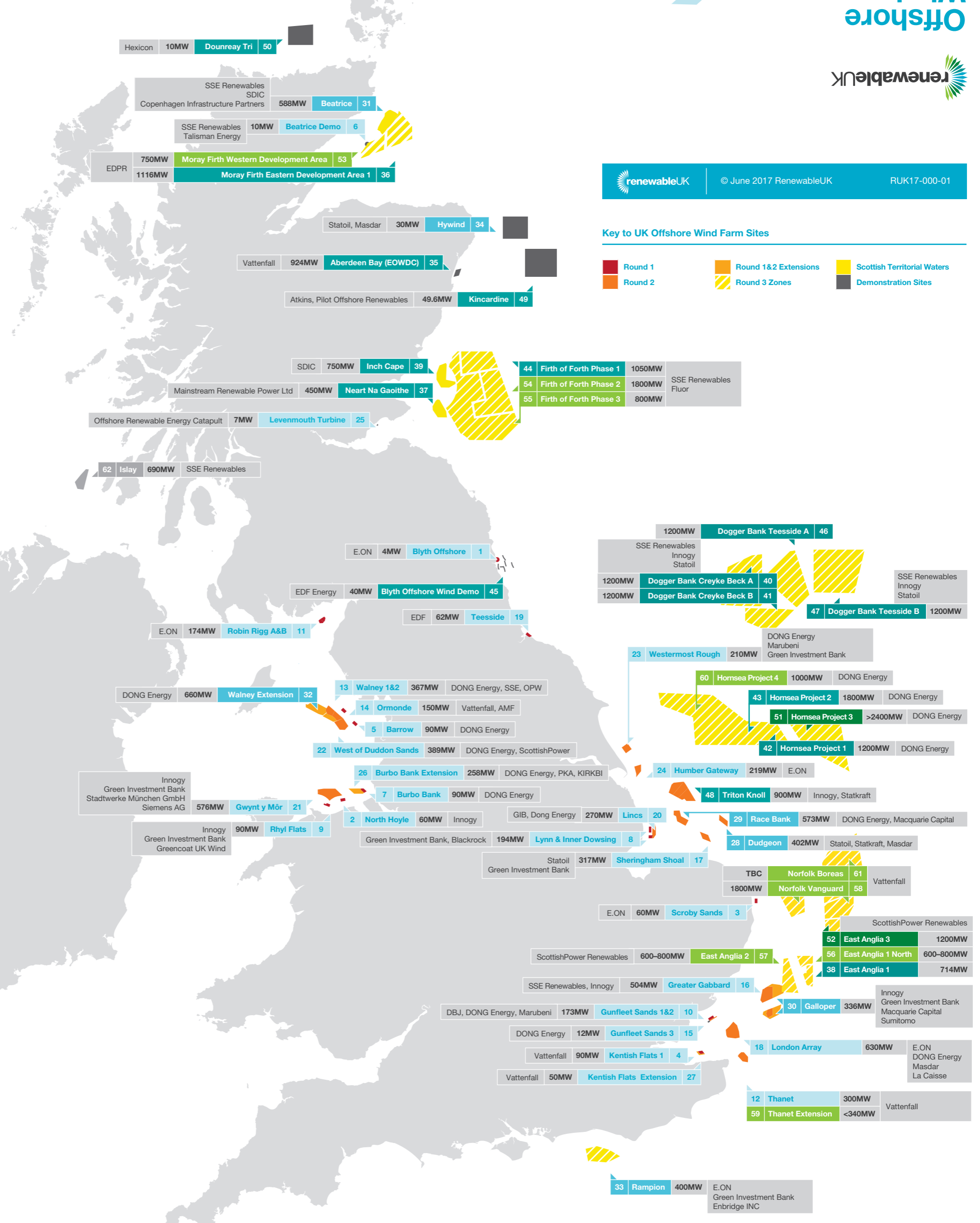
Since the publication of the 2016 edition of the Timelines 258MW of generation capacity has come on-line. Beyond this sits a longer term deployment pipeline into the 2020s. Industry ambition could potentially see up to 24GW of offshore wind in operation by midway through the next decade. This offshore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