



National
Qualifications
2019

X733/77/51

Geography
Supplementary item D
for Q3

TUESDAY, 28 MAY

9:00 AM – 11:30 AM



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SUPPLEMENTARY ITEM D

Diagram 1 Changes in renewable electricity generation in the UK from 2007 to 2015

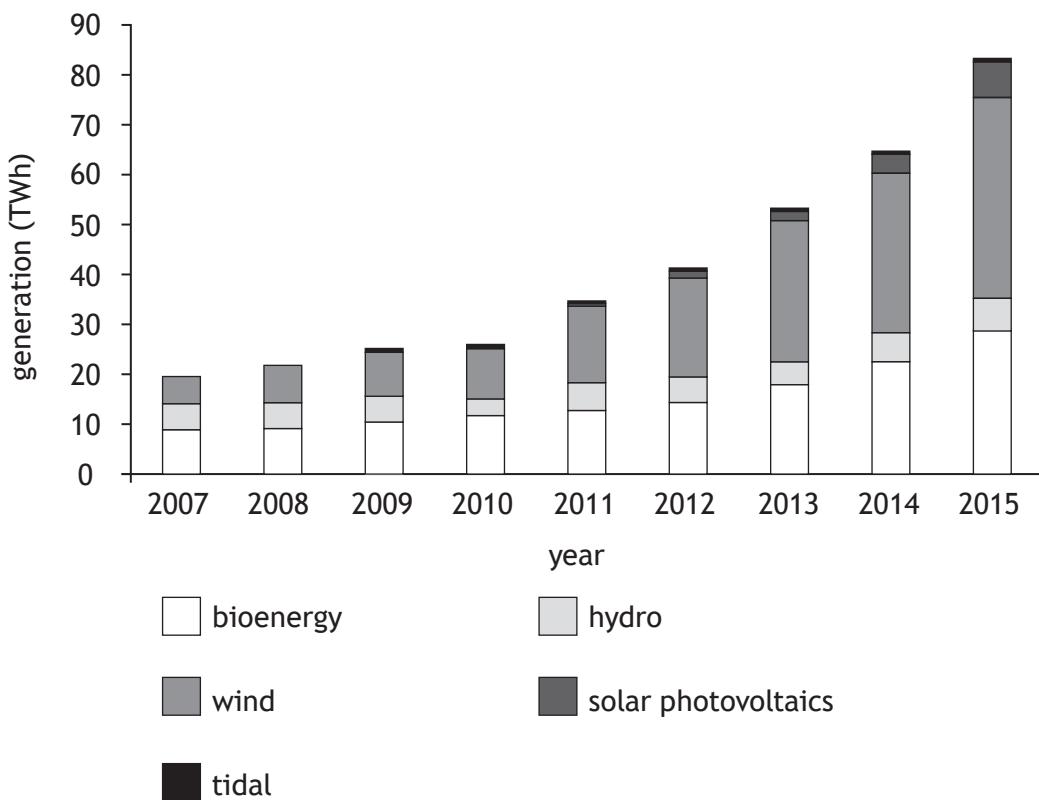
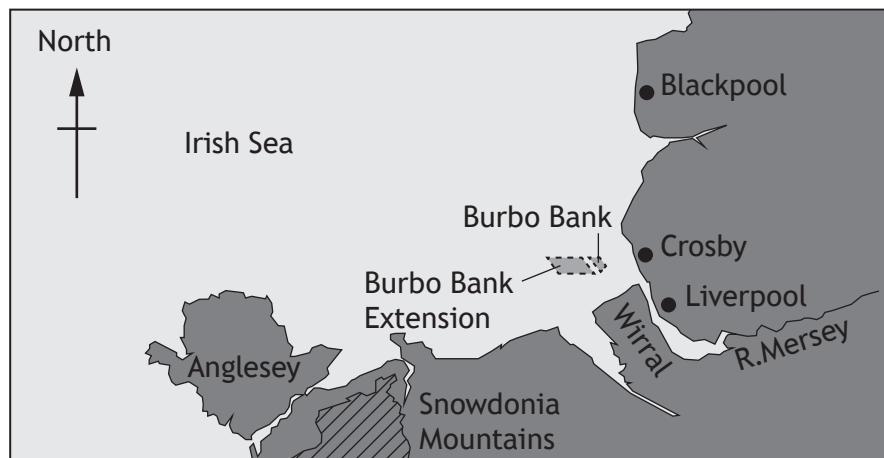


Diagram 2 Location of Burbo Bank Offshore Wind Farm



SUPPLEMENTARY ITEM D (continued)

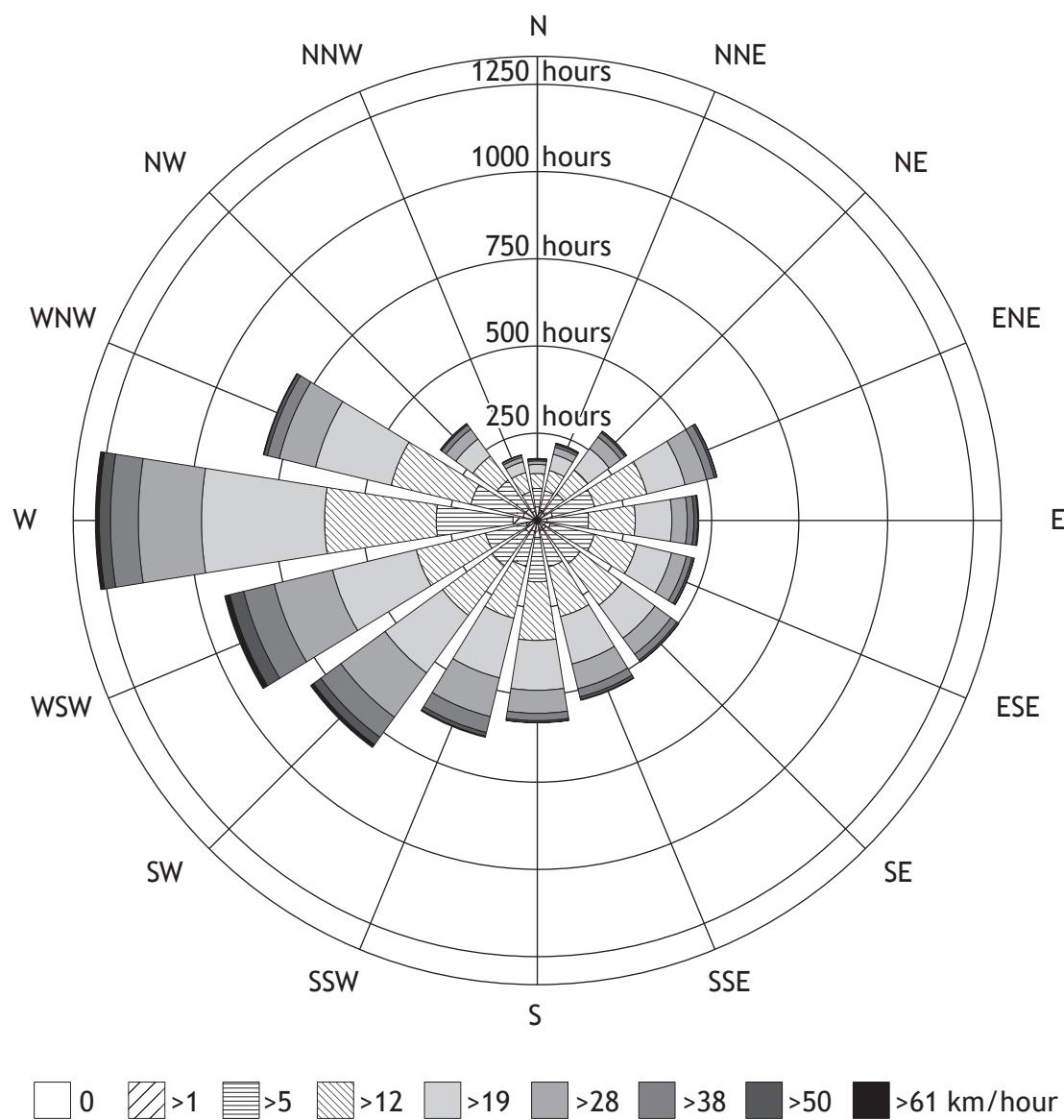
Diagram 3 A view towards the Burbo Bank Offshore Wind Farm (taken from the Wirral coast)



[Turn over for Diagram 4]

SUPPLEMENTARY ITEM D (continued)

Diagram 4 Polar graph to show annual wind speed and direction in Liverpool Bay (number of hours per year)



SUPPLEMENTARY ITEM D (continued)**Diagram 5** A table to show expected monthly wind speeds in Liverpool Bay (km/hour)

| Wind speed km/hour | J | F | M | A | M | J | J | A | S | O | N | D |
|-----------------------|---|---|---|----|----|----|----|----|----|---|---|---|
| 0–1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2–5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6–12 | 0 | 1 | 0 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 |
| 13–19 | 4 | 3 | 4 | 6 | 7 | 8 | 9 | 8 | 8 | 6 | 4 | 4 |
| 20–28 | 6 | 6 | 8 | 10 | 12 | 13 | 14 | 14 | 11 | 9 | 8 | 6 |
| 29–38 | 7 | 6 | 8 | 8 | 8 | 6 | 6 | 7 | 7 | 9 | 8 | 7 |
| 39–50 | 6 | 6 | 6 | 4 | 3 | 1 | 1 | 1 | 2 | 4 | 6 | 7 |
| 51–60 | 5 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| 61+ | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |

[END OF SUPPLEMENTARY ITEM D]