



NORTH FALLS

Offshore Wind Farm

ENVIRONMENTAL STATEMENT

Appendix 20.2 Air Quality Assessment Traffic Data

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|---------------------|-----------|
| Document Reference: | 3.3.24 |
| Volume: | 3.3 |
| APFP Regulation: | 5(2)(a) |
| Date: | July 2024 |
| Revision: | 0 |

Project Reference: EN010119



NORTH FALLS

Offshore Wind Farm

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| Project | North Falls Offshore Wind Farm |
| Document Title | Environmental Statement Appendix 20.2 Air Quality Assessment Traffic Data |
| Document Reference | 3.3.24 |
| APFP Regulation | 5(2)(a) |
| Supplier | Royal HaskoningDHV |
| Supplier Document ID | PB9244-RHD-ZZ-ON-RP-AC-0156 |

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| Revision | Date | Status/Reason for Issue | Originator | Checked | Approved |
|-----------------|-------------|--------------------------------|-------------------|----------------|-----------------|
| 0 | July 2024 | Submission | RHDHV | NFOW | NFOW |
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| | | | | | |

Contents

1 Air quality assessment traffic data 5

Tables

Table 1 Traffic data used in the assessment 6

Glossary of Acronyms

| | |
|------|------------------------------|
| AADT | Annual Average Daily Traffic |
|------|------------------------------|

1 Air quality assessment traffic data

1. The traffic data used in the air quality assessment are summarised in Table 1 below.

Table 1 Traffic data used in the assessment

| Link ID | Road Name | 2022 Base Year | | 2027 Base Year | | 2027 with North Falls Construction Flows (Option 2) | | 2027 with North Falls and Five Estuaries Offshore Wind Farm Construction Flows (Scenario 1) | |
|---------|--|---|-----|----------------|-----|---|-----|---|-----|
| | | Total Annual Average Daily Traffic (AADT) | HGV | Total AADT | HGV | Total AADT | HGV | Total AADT | HGV |
| 1 | A120 from the A12 to the A133 | 42,681 | 6% | 44857 | 7% | 45,344 | 7% | 45,428 | 8% |
| 2 | A120 from the A133 to Harwich Road | 42,681 | 6% | 45165 | 7% | 45,696 | 8% | 45,864 | 8% |
| 3 | A120 from Harwich Road to Bentley Road | 14,921 | 11% | 16299 | 15% | 16,830 | 16% | 16,999 | 16% |
| 4 | Bentley Road from the A120 to Little Bromley | 990 | 2% | 1603 | 28% | 1,919 | 30% | 2,077 | 31% |
| 5 | Bentley Road through Little Bromley | 990 | 2% | 1054 | 2% | 1,096 | 2% | 1,117 | 1% |
| 6 | B1035 south of the A120 to Tendring Green | 5,541 | 2% | 7686 | 5% | 7,837 | 5% | 7,851 | 5% |
| 7 | Bromley Road north of Little Bromley | 1,616 | 2% | 1695 | 2% | 1,737 | 2% | 1,758 | 2% |
| 8 | Bromley Road south of the A137 | 1,616 | 2% | 1695 | 2% | 1,737 | 2% | 1,758 | 2% |
| 9 | A137 east-west through Lawford | 12,738 | 3% | 13050 | 3% | 13,050 | 3% | 13,050 | 3% |

| Link ID | Road Name | 2022 Base Year | | 2027 Base Year | | 2027 with North Falls Construction Flows (Option 2) | | 2027 with North Falls and Five Estuaries Offshore Wind Farm Construction Flows (Scenario 1) | |
|---------|--|---|-----|----------------|-----|---|-----|---|-----|
| | | Total Annual Average Daily Traffic (AADT) | HGV | Total AADT | HGV | Total AADT | HGV | Total AADT | HGV |
| 10 | A137 north-south through Lawford | 12,738 | 3% | 13050 | 3% | 13,053 | 3% | 13,053 | 3% |
| 13 | B1035 south of the B1352 | 8,128 | 2% | 8332 | 2% | 8,369 | 2% | 8,370 | 2% |
| 14 | B1035 north of the A120 | 8,128 | 2% | 8797 | 2% | 8,866 | 2% | 8,868 | 2% |
| 15 | A120 from Bentley Road to the B1035 | 14,921 | 11% | 16926 | 15% | 17,481 | 17% | 17,625 | 17% |
| 16 | A120 from the B1035 to Colchester Road | 14,921 | 11% | 16345 | 14% | 16,697 | 16% | 16,758 | 16% |
| 18 | A120 from Colchester Road to the B1352 | 9,565 | 15% | 10775 | 19% | 11,127 | 21% | 11,189 | 22% |
| 19 | A120 from the B1352 to Parkeston Road | 9,565 | 15% | 10531 | 19% | 10,874 | 22% | 10,931 | 22% |
| 20 | A133 south of the A120 | 30,895 | 4% | 32352 | 4% | 32,606 | 4% | 32,623 | 4% |
| 21a | A133 to Crown Lane | 31,110 | 3% | 33053 | 3% | 33,362 | 3% | 33,380 | 3% |

| Link ID | Road Name | 2022 Base Year | | 2027 Base Year | | 2027 with North Falls Construction Flows (Option 2) | | 2027 with North Falls and Five Estuaries Offshore Wind Farm Construction Flows (Scenario 1) | |
|---------|---|---|-----|----------------|-----|---|-----|---|-----|
| | | Total Annual Average Daily Traffic (AADT) | HGV | Total AADT | HGV | Total AADT | HGV | Total AADT | HGV |
| 21b | A133 from Crown Lane to the B1034 | 31,110 | 3% | 33053 | 3% | 33,372 | 3% | 33,391 | 3% |
| 22 | A133 south of the B1033 to Progress Way | 20,556 | 3% | 22202 | 3% | 22,355 | 3% | 22,370 | 3% |
| 23 | A133 south of Progress Way to the B1032 | 20,556 | 3% | 21078 | 3% | 21,202 | 3% | 21,235 | 3% |
| 24 | B1032 east of the A133 to Holland Road | 12,276 | 2% | 12590 | 2% | 12,726 | 3% | 12,732 | 3% |
| 25 | B1032 from Holland Road to Kings Parade | 12,791 | 1% | 13118 | 1% | 13,255 | 2% | 13,260 | 2% |
| 26 | B1032 from Kings Parade to the south of Great Holland | 7,137 | 1% | 7323 | 1% | 7,459 | 2% | 7,465 | 2% |
| 27 | B1032 through Great Holland | 7,137 | 1% | 7316 | 1% | 7,345 | 1% | 7,346 | 1% |
| 28 | B1033 north of the B1032 through Kirby Cross to Pork Lane | 9,518 | 2% | 9768 | 2% | 9,815 | 2% | 9,822 | 2% |

| Link ID | Road Name | 2022 Base Year | | 2027 Base Year | | 2027 with North Falls Construction Flows (Option 2) | | 2027 with North Falls and Five Estuaries Offshore Wind Farm Construction Flows (Scenario 1) | |
|---------|---|---|-----|----------------|-----|---|-----|---|-----|
| | | Total Annual Average Daily Traffic (AADT) | HGV | Total AADT | HGV | Total AADT | HGV | Total AADT | HGV |
| 29 | B1033 from Pork Lane to the south of Thorpe-le-Soken | 9,518 | 2% | 9768 | 2% | 9,859 | 2% | 9,867 | 2% |
| 30 | B1033 south of the B1414 through Thorpe-le-Soken | 9,518 | 2% | 9768 | 2% | 9,859 | 2% | 9,867 | 2% |
| 31 | B1414 east of the B1033 | 1,472 | 4% | 1519 | 4% | 1,556 | 4% | 1,562 | 4% |
| 32 | B1033 north of the B1414 through Thorpe-le-Soken | 9,518 | 2% | 9778 | 2% | 9,873 | 2% | 9,885 | 2% |
| 33 | B1033 from the B1441 to the B1035 through Weeley | 10,580 | 2% | 13116 | 2% | 13,304 | 2% | 13,308 | 2% |
| 34 | B1033 from the A133 to the B1441 | 10,580 | 2% | 13963 | 2% | 14,151 | 2% | 14,155 | 2% |
| 35 | B1035 north of B1033 to Whitehall Lane | 1,619 | 2% | 1681 | 2% | 1,884 | 6% | 1,900 | 6% |
| 36 | B1035 through Tendring Green from Parsonage Lane to Stones Green Road | 5,541 | 2% | 5700 | 2% | 5,773 | 2% | 5,786 | 2% |

| Link ID | Road Name | 2022 Base Year | | 2027 Base Year | | 2027 with North Falls Construction Flows (Option 2) | | 2027 with North Falls and Five Estuaries Offshore Wind Farm Construction Flows (Scenario 1) | |
|---------|---|---|-----|----------------|-----|---|-----|---|-----|
| | | Total Annual Average Daily Traffic (AADT) | HGV | Total AADT | HGV | Total AADT | HGV | Total AADT | HGV |
| 37 | B1035 north of Whitehall Lane to Swan Road | 1,619 | 2% | 1681 | 2% | 1,788 | 3% | 1,801 | 3% |
| 38 | B1035 through Goose Green | 5,541 | 2% | 5700 | 2% | 5,773 | 2% | 5,786 | 2% |
| 39 | B1035 north of Swan Road to the south of Tendring | 2,333 | 2% | 2413 | 2% | 2,475 | 2% | 2,487 | 2% |
| 40 | B1035 through Tendring to Crown Lane | 2,333 | 2% | 2413 | 2% | 2,475 | 2% | 2,487 | 2% |
| 41 | Crown Lane | 3,195 | 1% | 3275 | 1% | 3,285 | 1% | 3,286 | 1% |
| 42 | B1035 from Crown Lane to Lodge Lane | 2,333 | 2% | 2413 | 2% | 2,485 | 2% | 2,498 | 2% |
| 43 | A133/Colchester Road from A133/Colchester Road roundabout to end of TTSA | 11,899 | 5% | 12670 | 5% | 12,718 | 5% | 12,719 | 5% |
| 44 | B1441 (Progress Way) from A133/St Osyth Road/Progress Way Roundabout to B1414 | 5,584 | 16% | 5728 | 16% | 5,732 | 16% | 5,738 | 16% |
| 45 | B1414 east of B1441 to B1033 in Thorpe-le-Soken | 5,214 | 14% | 5345 | 14% | 5,347 | 14% | 5,347 | 14% |
| 46 | B1441 from B1414 to B1033 in Weeley | 5,584 | 16% | 6285 | 15% | 6,285 | 15% | 6,285 | 15% |
| 47 | A120 from Parkeston Roundabout to St Nicholas Roundabout | 13,066 | 10% | 13838 | 10% | 14,168 | 12% | 14,226 | 13% |

| Link ID | Road Name | 2022 Base Year | | 2027 Base Year | | 2027 with North Falls Construction Flows (Option 2) | | 2027 with North Falls and Five Estuaries Offshore Wind Farm Construction Flows (Scenario 1) | |
|---------|--|---|-----|----------------|-----|---|-----|---|-----|
| | | Total Annual Average Daily Traffic (AADT) | HGV | Total AADT | HGV | Total AADT | HGV | Total AADT | HGV |
| 48 | St John's Road from St Osyth Roundabout to end of TTSA | 15,382 | 1% | 15592 | 1% | 15,610 | 1% | 15,623 | 1% |



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North Falls Offshore Wind Farm Limited

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