

RWE Renewables UK Dogger Bank South (West) Limited

RWE Renewables UK Dogger Bank South (East) Limited

Dogger Bank South Offshore Wind Farms

Environmental Statement

Volume 7

Appendix 26-3 Air Quality Assessment Traffic Data

June 2024

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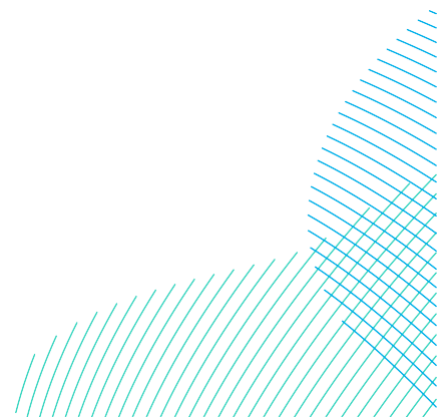
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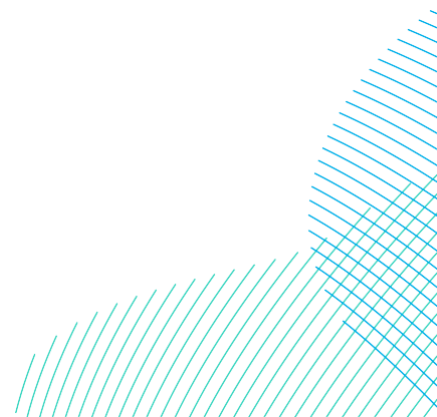


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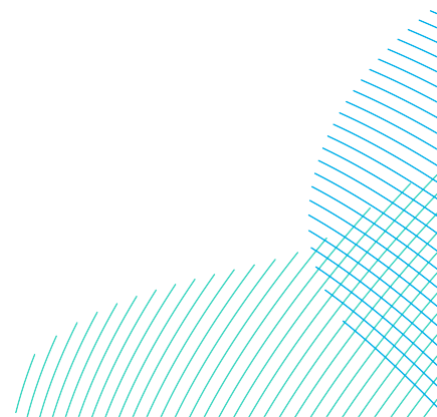
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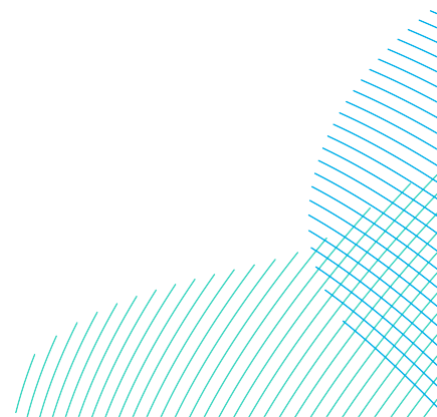
Glossary

Term	Definition
Concurrent Scenario	A potential construction scenario for the Projects where DBS East and DBS West are both constructed at the same time.
Dogger Bank South (DBS) Offshore Wind Farms	The collective name for the two Projects, DBS East and DBS West.
In Isolation Scenario	A potential construction scenario for one Project which includes either the DBS East or DBS West array, associated offshore and onshore cabling and only the eastern Onshore Converter Station within the Onshore Substation Zone and only the northern route of the onward cable route to the proposed Birkhill Wood National Grid Substation.
The Projects	DBS East and DBS West (collectively referred to as the Dogger Bank South Offshore Wind Farms)



Acronyms

Term	Definition
AADT	Annual Average Daily Traffic
HGV	Heavy Goods Vehicle
TEMPro	Trip End Model Presentation Program



26.3 Air Quality Assessment Traffic Data

1. The traffic data used in the air quality assessment were provided by Royal HaskoningDHV, the Transport Consultants for Projects. The derivation of the traffic flows is detailed in **Volume 7, Chapter 24 Traffic and Transport (application ref: 7.24)**. The traffic data used for DBS East and DBS West for the Project alone (i.e. DBS East or DBS West In Isolation) and the Projects Concurrently are provided in **Table 26-3-1**.
2. As detailed in the table, traffic data has been factored to account for traffic growth between 2022 and 2026, by applying background growth factors that account for regional traffic growth from the Trip End Model Presentation Program (TEMPro), which takes into account traffic growth from committed developments (e.g. residential developments, employment, etc.).

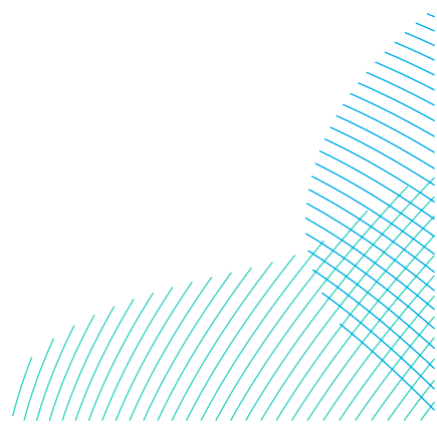
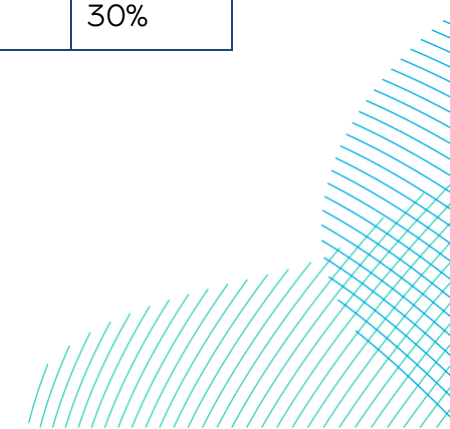
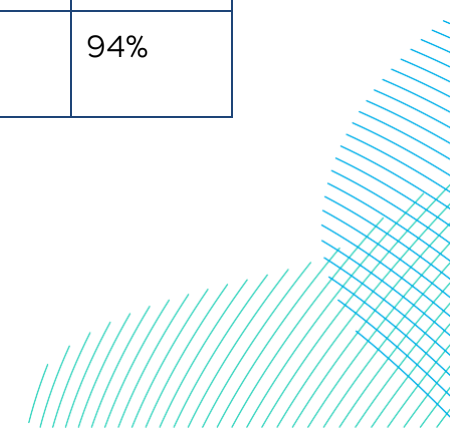


Table 26-3-1 Air Quality Traffic Data for DBS East and/or DBS West Assessment

Link ID	Road Name	2022 Base Year		2026 Base Year		2026 With DBS East or DBS West In Isolation		2026 With DBS East and DBS West Concurrent Construction	
		AADT	% HGV	AADT	% HGV	AADT	% HGV	AADT	% HGV
1	A165 Carnaby to Lissett	10906	5%	11238	5%	9	0%	11	0%
2	A165 Lissett to Beeford	10906	5%	11238	5%	96	29%	122	33%
3	A165 Beeford to Brandesburton	10138	7%	10447	7%	191	32%	242	35%
4	B1242 Lissett to Skipsea	2572	4%	2650	4%	15	96%	21	97%
5	Beeford Road	1188	3%	1224	3%	73	19%	92	22%
6	B1242 Skipsea to End	2716	4%	2799	4%	88	32%	113	36%
7	Dunnington Lane	129	42%	133	42%	96	35%	122	37%
8	Catfoss Road	886	4%	913	4%	55	30%	73	30%



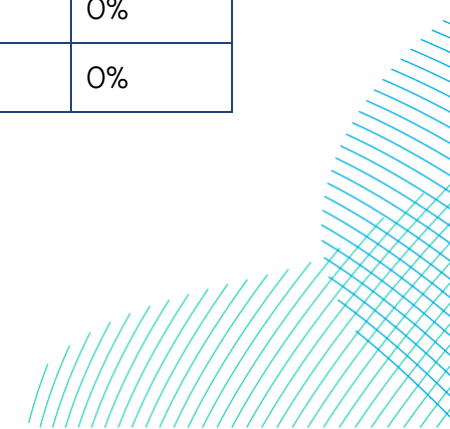
Link ID	Road Name	2022 Base Year		2026 Base Year		2026 With DBS East or DBS West In Isolation		2026 With DBS East and DBS West Concurrent Construction	
		AADT	% HGV	AADT	% HGV	AADT	% HGV	AADT	% HGV
9	A165 Brandesburton to Leven	10906	5%	11238	5%	245	32%	315	34%
10	A1035 Leven to Catwick	7480	3%	7708	3%	80	27%	99	29%
11	Catwick Stub	194	4%	200	4%	16	60%	22	64%
12	A1035 Leven to A165	18008	7%	18557	7%	322	31%	411	33%
13	A165 from A1035 to Skirlaugh	8478	7%	8737	7%	302	65%	382	68%
14	A165 through Skirlaugh	8478	7%	8737	7%	210	93%	278	94%
15	A165 from Skirlaugh to Coniston	8478	7%	8737	7%	210	93%	278	94%
16	A165 from Coniston to Holderness Road	8478	7%	8737	7%	210	93%	278	94%



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Dogger Bank South Offshore Wind Farms

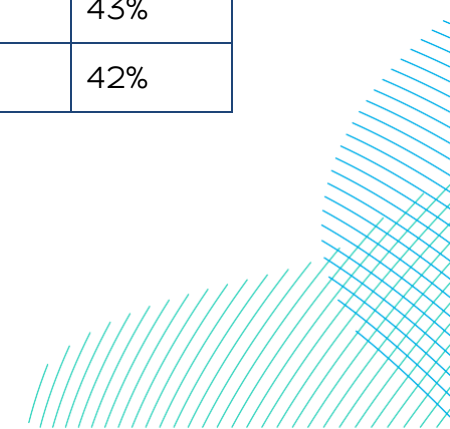
Link ID	Road Name	2022 Base Year		2026 Base Year		2026 With DBS East or DBS West In Isolation		2026 With DBS East and DBS West Concurrent Construction	
		AADT	% HGV	AADT	% HGV	AADT	% HGV	AADT	% HGV
17	A165/Holderness Road	26040	3%	26834	3%	205	96%	271	96%
18	A165/Holderness Road	15100	7%	15560	7%	0	0%	0	0%
19	Mount Pleasant/A1033	18889	7%	19465	7%	344	98%	478	99%
20	A1033 Slip Road	11319	9%	11664	9%	330	98%	458	98%
21	A1033/Hedon Road	39992	11%	41211	11%	344	98%	493	99%
22	A1033/Hedon Road	11319	9%	11664	9%	352	96%	488	97%
23	A1033/Hedon Road	29520	11%	30420	11%	197	100%	261	100%
24	A63	43184	11%	44501	11%	338	100%	471	100%
25	A63	51951	11%	53535	11%	0	0%	0	0%
26	A63	54493	11%	56155	11%	0	0%	0	0%



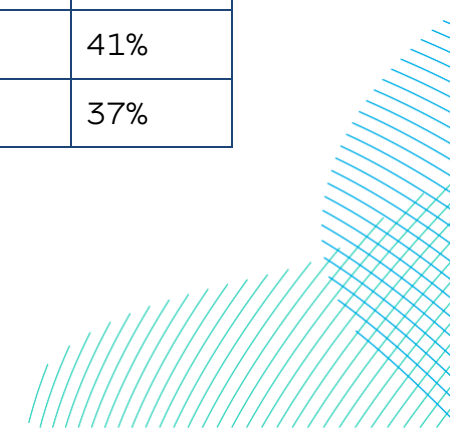
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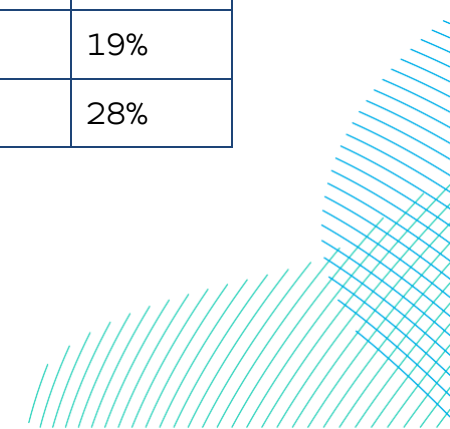
Link ID	Road Name	2022 Base Year		2026 Base Year		2026 With DBS East or DBS West In Isolation		2026 With DBS East and DBS West Concurrent Construction	
		AADT	% HGV	AADT	% HGV	AADT	% HGV	AADT	% HGV
27	A63	48856	13%	50346	13%	498	68%	659	71%
28	A15/Boothferry Road	30968	9%	31913	9%	498	68%	659	71%
29	Humberbridge	30640	8%	31575	8%	139	0%	163	0%
30	A164	19004	7%	19584	7%	661	51%	850	55%
31	A164	19004	7%	19584	7%	661	51%	850	55%
32	A164	19004	7%	19584	7%	765	44%	972	48%
33	A164	33201	5%	34214	5%	765	44%	972	48%
34	A164	33201	5%	34214	5%	875	39%	1104	43%
35	A164	33201	5%	34214	5%	859	38%	1086	43%
36	Dunflat Road off A164	1912	2%	1970	2%	19	39%	23	42%



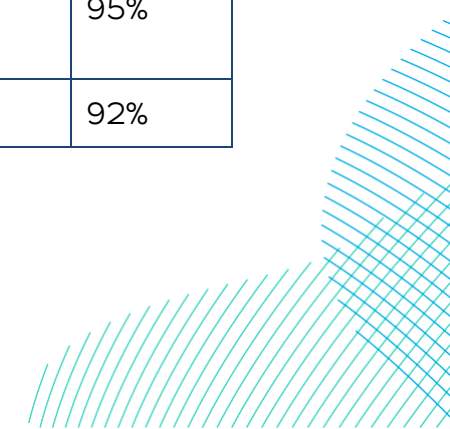
Link ID	Road Name	2022 Base Year		2026 Base Year		2026 With DBS East or DBS West In Isolation		2026 With DBS East and DBS West Concurrent Construction	
		AADT	% HGV	AADT	% HGV	AADT	% HGV	AADT	% HGV
37	Coppleflat Lane	2500	3%	2577	3%	19	39%	23	42%
38	A164	22517	4%	23203	4%	541	37%	673	40%
39	B1248	11235	5%	11581	5%	34	0%	40	0%
40	A1033/Thomas Clarkson Way	19576	4%	20173	4%	373	90%	513	92%
45	A1033	21730	4%	22393	4%	443	76%	595	79%
46	A1174	14213	3%	14646	3%	57	0%	68	0%
49	A1174	14213	3%	14646	3%	57	0%	68	0%
50	A164/ Woodmansey	9803	5%	10102	5%	521	39%	651	41%
51	A164/Woodmansey	9803	5%	10102	5%	521	39%	651	41%
52	A1174/A164	16046	5%	16535	5%	578	35%	719	37%



Link ID	Road Name	2022 Base Year		2026 Base Year		2026 With DBS East or DBS West In Isolation		2026 With DBS East and DBS West Concurrent Construction	
		AADT	% HGV	AADT	% HGV	AADT	% HGV	AADT	% HGV
53	A1174/A164/Swinemoor Lane	16046	5%	16535	5%	578	35%	719	37%
54	A1035	17366	6%	17896	6%	564	36%	702	39%
55	A1035	17366	6%	17896	6%	606	34%	750	36%
56	A1035	17366	6%	17896	6%	685	30%	846	32%
57	A1035/A164	11951	6%	12316	6%	103	14%	126	15%
58	Ings Road	84	2%	87	2%	44	26%	63	36%
59	Driffield Road	9643	3%	9938	3%	6	48%	7	54%
60	A1035	10299	9%	10614	9%	205	18%	248	19%
61	A1035/Dog Kennel Lane	15023	7%	15481	7%	181	18%	218	19%
62	A1174	5648	3%	5821	3%	57	25%	69	28%



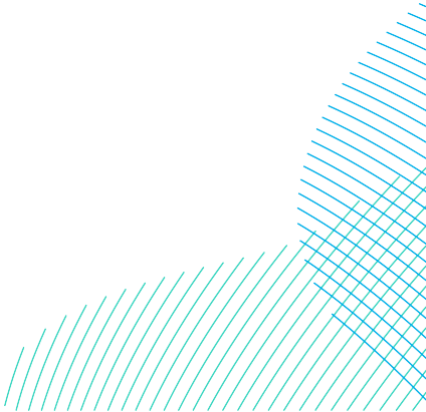
Link ID	Road Name	2022 Base Year		2026 Base Year		2026 With DBS East or DBS West In Isolation		2026 With DBS East and DBS West Concurrent Construction	
		AADT	% HGV	AADT	% HGV	AADT	% HGV	AADT	% HGV
63	A1079	20331	6%	20951	6%	441	27%	524	32%
64	Killingwoldgraves Lane	6212	4%	6401	4%	40	36%	49	39%
65	A1079/Bishop Burton	11265	6%	11609	6%	68	0%	80	0%
66	A1079	18260	5%	18817	5%	537	63%	725	67%
68	Coppleflat Lane	6212	4%	6401	4%	40	36%	49	39%
69	B1230	0	0%	0	0%	0	0%	0	0%
71	Broadgate/B1230	6123	2%	6309	2%	51	28%	62	31%
73	Eske Lane	45	5%	46	5%	62	25%	75	28%
74	Mount Pleasant/A1033 and Stoneferry Rd/A1165	24881	8%	25640	8%	360	94%	497	95%
75	Sutton Road/A1033	19576	4%	20173	4%	373	90%	513	92%



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Dogger Bank South Offshore Wind Farms

Link ID	Road Name	2022 Base Year		2026 Base Year		2026 With DBS East or DBS West In Isolation		2026 With DBS East and DBS West Concurrent Construction	
		AADT	% HGV	AADT	% HGV	AADT	% HGV	AADT	% HGV
76	Marfleet Road	11192	4%	11544	4%	205	96%	271	96%



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