



**NORTH FALLS**

*Offshore Wind Farm*

# **PRELIMINARY ENVIRONMENTAL INFORMATION REPORT**

## Appendix 27.2 Interrelationships

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**Potential Inter-relationships between impacts**

Link ID	Impact 1: Severance		Impact 2: Amenity		Impact 3: Highway Safety		Potential Inter-relationships between Impacts 1,2 with Impact 3
	Mitigation Measures Proposed	Residual effect	Mitigation Measures Proposed	Residual effect	Mitigation Measures Proposed	Residual effect	
1	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
2	n/a	negligible	n/a	negligible	n/a	minor	No inter-relationship
3	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
4	n/a	negligible	Yes	minor	n/a	negligible	No inter-relationship
5	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
6	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
7	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
8	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
9	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
10	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
11	n/a	minor	n/a	minor	n/a	negligible	No inter-relationship
12	n/a	minor	n/a	minor	n/a	negligible	No inter-relationship
13	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
14	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
15	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
16	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
17	n/a	negligible	n/a	minor	n/a	negligible	No inter-relationship
18	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
19	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
20	n/a	negligible	n/a	negligible	n/a	minor	No inter-relationship
21	n/a	negligible	n/a	negligible	n/a	minor	No inter-relationship
22	n/a	negligible	n/a	negligible	n/a	minor	No inter-relationship
23	n/a	negligible	n/a	negligible	Yes	minor	No inter-relationship
24	n/a	minor	n/a	minor	Yes	minor	A collision cluster is identified at the termination of link 24 and additional mitigation measures are proposed. No further highway safety issues are identified along link 24. The assessment of amenity and severance also notes that the magnitude of impact would be negligible. No inter-relationship between impacts is therefore identified.
25	n/a	minor	n/a	minor	n/a	negligible	No inter-relationship
26	n/a	negligible	n/a	minor	n/a	negligible	No inter-relationship
27	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
28	n/a	negligible	n/a	negligible	n/a	minor	No inter-relationship
29	n/a	negligible	n/a	negligible	n/a	minor	No inter-relationship
30	n/a	minor	n/a	minor	n/a	minor	The assessment identifies that there would be peak change in total traffic of 1% and HGV traffic of 34% (average changes in HGV traffic would be approximately 14%). Embedded mitigation measures are also proposed to restrict HGV movements through Thorpe-le-Soken during school start and finish times. These changes are assessed to result in a negligible magnitude of impact upon highway safety,
31	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
32	n/a	minor	n/a	minor	n/a	minor	The assessment identifies that there would be peak change in total traffic of 1% and HGV traffic of 34% (average changes in HGV traffic would be approximately 14%). Embedded mitigation measures are also proposed to restrict HGV movements through Thorpe-le-Soken during school start and finish times. These changes are assessed to result in a negligible magnitude of impact upon highway safety,
33	n/a	minor	n/a	minor	n/a	negligible	No inter-relationship
34	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
35		negligible	n/a	minor	n/a	negligible	No inter-relationship
36	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
37	n/a	negligible	n/a	minor	n/a	negligible	No inter-relationship
38	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
39	n/a	negligible	n/a	minor	n/a	negligible	No inter-relationship
40	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
41	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
42	n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship

Impact 4: Driver Delay (Capacity)		Impact 5: Driver Delay (Highway Geometru)		Impact 6: Driver Delay (Road Closures)		Potential Inter-relationships between Impacts 4, 5 and 6
Mitigation Measures Proposed	Residual effect	Mitigation Measures Proposed	Residual effect	Mitigation	Residual Impact	
n/a	minor	n/a	negligible	n/a	negligible	No inter-relationship
n/a	minor	n/a	negligible	n/a	negligible	No inter-relationship
n/a	minor	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	Yes	minor	n/a	negligible	No inter-relationship
n/a	negligible	Yes	minor	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	minor	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	minor	n/a	negligible	n/a	negligible	No inter-relationship
n/a	minor	n/a	negligible	n/a	negligible	No inter-relationship
n/a	minor	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship
n/a	negligible	n/a	negligible	n/a	negligible	No inter-relationship

**Key**

	Links requiring additional mitigation measures
	<b>Potential for Impacts 1,2 and 3 to collectively interrelate with Impact 4</b>
	No inter-relationship with impact 3 as impacts 1 & 2 negligible
	No inter-relationship with impacts 1 & 2 as impact 3 negligible
	No inter-relationship as impact 1, 2 and 3 are all negligible
	<b>Potential for Impacts 4, 5 and 6 to interrelate</b>
	No inter-relationship as all impacts (4, 5 and 6) negligible
	No inter-relationship as two of the three impacts (5, 6 or 7) are negligible