

Vattenfall Wind Power Ltd

Thanet Extension Offshore Wind Farm

Appendix 51 to Deadline 6 Submission: ISH7 -
Action Point 13 - Grid Coordinate audit

Relevant Examination Deadline: 6

Submitted by Vattenfall Wind Power Ltd

Date: May 2019

Revision A

Drafted By:	Vattenfall Wind Power Ltd
Approved By:	Daniel Bates
Date of Approval:	May 2019
Revision:	A

Revision A	Original document submitted to the Examining Authority

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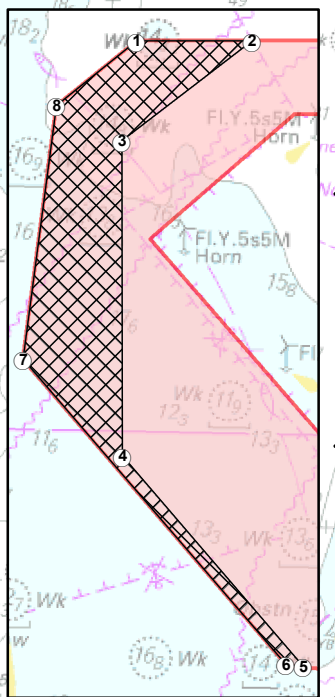
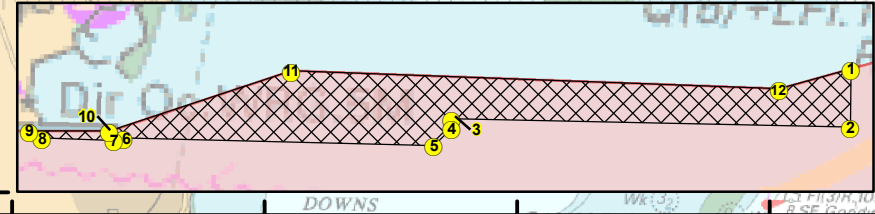
- Cable Corridor Co-ordinates
- Turbine Array Area Co-ordinates
- Thanet Extension Order Limits
- Exclusion Zones

Coordinate System : ETRS 1989 UTM Zone 31N				
Point No	X	Y	LAT	LONG
Array Area Order Limits				
1	398621.42	5698190.82	51° 25' 33.041" N	1° 32' 30.523" E
2	399136.20	5702124.08	51° 27' 40.652" N	1° 32' 53.134" E
3	400382.57	5703129.21	51° 28' 13.973" N	1° 33' 56.681" E
4	409461.11	5703142.58	51° 28' 19.898" N	1° 41' 47.085" E
5	411416.65	5700866.41	51° 27' 7.350" N	1° 43' 30.472" E
6	408963.12	5692782.11	51° 22' 44.323" N	1° 41' 30.864" E
7	402697.34	5693446.60	51° 23' 2.085" N	1° 36' 6.194" E
8	405196.41	5701950.78	51° 27' 38.815" N	1° 38' 7.249" E
9	402824.54	5701997.30	51° 27' 38.873" N	1° 36' 4.331" E
10	400588.17	5700054.64	51° 26' 34.609" N	1° 34' 10.445" E
11	404544.34	5695500.91	51° 24' 9.695" N	1° 37' 39.727" E
12	408720.17	5695219.43	51° 24' 3.060" N	1° 41' 16.044" E
13	408774.39	5697832.28	51° 25' 27.649" N	1° 41' 16.429" E

Coordinate System : ETRS 1989 UTM Zone 31N				
Point No	X	Y	LAT	LONG
Current Cable Corridor				
1	386562.39	5686981.51	51° 19' 22.104" N	1° 22' 19.234" E
2	390035.53	5686981.51	51° 19' 24.560" N	1° 25' 18.600" E
3	391249.40	5687381.46	51° 19' 38.342" N	1° 26' 20.851" E
4	394508.73	5687262.26	51° 19' 36.695" N	1° 29' 9.324" E
5	395169.77	5687446.43	51° 19' 43.095" N	1° 29' 43.272" E
6	395442.34	5688400.78	51° 20' 14.158" N	1° 29' 56.342" E
7	398348.89	5689058.47	51° 20' 37.339" N	1° 32' 25.827" E
8	399374.94	5691079.52	51° 21' 43.399" N	1° 33' 16.785" E
9	401139.31	5693851.61	51° 23' 14.222" N	1° 34' 45.212" E
10	401216.66	5695170.06	51° 23' 56.937" N	1° 34' 47.892" E
11	402158.20	5694074.14	51° 23' 22.059" N	1° 35' 37.689" E
12	402119.85	5693617.66	51° 23' 7.263" N	1° 35' 36.158" E
13	401817.71	5692969.72	51° 22' 46.107" N	1° 35' 21.177" E
14	400246.51	5690571.17	51° 21' 27.502" N	1° 34' 2.352" E
15	400205.57	5690204.82	51° 21' 15.621" N	1° 34' 0.605" E
16	399381.65	5688938.77	51° 20' 34.127" N	1° 33' 19.312" E
17	399410.46	5688453.69	51° 20' 18.448" N	1° 33' 21.294" E
18	398888.80	5688148.90	51° 20' 8.251" N	1° 32' 54.654" E
19	396438.85	5687586.78	51° 19' 48.474" N	1° 30' 48.676" E
20	396191.74	5687364.21	51° 19' 41.109" N	1° 30' 36.146" E
21	396018.65	5686642.52	51° 19' 17.641" N	1° 30' 27.963" E
22	394576.04	5686249.06	51° 19' 3.953" N	1° 29' 13.879" E
23	393738.22	5686292.35	51° 19' 4.793" N	1° 28' 30.568" E
24	393807.87	5684356.79	51° 18' 2.205" N	1° 28' 36.240" E
25	392097.53	5684202.12	51° 17' 56.042" N	1° 27' 8.120" E
26	391070.00	5684293.00	51° 17' 58.278" N	1° 26' 14.982" E
27	387563.00	5685869.00	51° 18' 46.821" N	1° 23' 12.172" E
28	387278.21	5686052.05	51° 18' 52.541" N	1° 22' 57.260" E
29	386493.86	5686064.43	51° 18' 52.380" N	1° 22' 16.747" E
30	385822.89	5686499.30	51° 19' 5.968" N	1° 21' 41.601" E
31	385824.16	5686504.49	51° 19' 6.137" N	1° 21' 41.660" E
32	385830.27	5686338.46	51° 19' 7.241" N	1° 21' 41.937" E
33	385835.42	568681.15	51° 19' 8.626" N	1° 21' 42.154" E
34	385837.19	568628.33	51° 19' 10.154" N	1° 21' 42.190" E
35	385838.27	568638.54	51° 19' 10.485" N	1° 21' 42.234" E
36	385841.00	568648.58	51° 19' 10.812" N	1° 21' 42.364" E
37	385845.69	568658.46	51° 19' 11.135" N	1° 21' 42.594" E
38	385874.11	5686701.05	51° 19' 12.534" N	1° 21' 44.013" E
39	385882.71	5686715.10	51° 19' 12.994" N	1° 21' 44.441" E
40	385882.84	5686715.10	51° 19' 12.995" N	1° 21' 44.448" E
41	386238.61	5686864.70	51° 19' 18.092" N	1° 22' 2.648" E
42	387280.21	5685107.58	51° 18' 25.807" N	1° 22' 42.379" E
43	392736.02	5686335.60	51° 19' 5.515" N	1° 27' 38.768" E
44	390048.87	5686414.62	51° 19' 6.818" N	1° 26' 4.122" E
45	390447.23	5686002.03	51° 18' 53.151" N	1° 25' 40.946" E
46	390134.18	5685565.25	51° 18' 38.800" N	1° 25' 25.266" E
47	391288.60	5685051.64	51° 18' 22.978" N	1° 26' 25.434" E

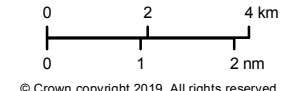
Coordinate System : ETRS 1989 UTM Zone 31N				
Point No	X	Y	LAT	LONG
Structure Exclusion Zone				
1	400382.57	5703129.21	51° 28' 13.973" N	1° 33' 56.681" E
2	402173.44	5703131.85	51° 28' 15.183" N	1° 35' 29.471" E
3	400155.66	5701577.89	51° 27' 23.628" N	1° 33' 46.501" E
4	400159.67	5696689.06	51° 24' 45.426" N	1° 33' 51.671" E
5	402970.24	5693417.66	51° 23' 1.317" N	1° 36' 20.336" E
6	402697.34	5693446.60	51° 23' 2.085" N	1° 36' 6.194" E
7	398621.42	5698190.82	51° 25' 33.041" N	1° 32' 30.523" E
8	399136.20	5702124.08	51° 27' 40.652" N	1° 32' 53.134" E

Coordinate System : ETRS 1989 UTM Zone 31N				
Point No	X	Y	LAT	LONG
Cable Exclusion Zone				
1	394988.07	5687395.81	51° 19' 41.336" N	1° 29' 33.940" E
2	394985.31	5687007.15	51° 19' 28.757" N	1° 29' 34.210" E
3	392323.19	5687062.52	51° 19' 28.757" N	1° 27' 16.659" E
4	392321.52	5686997.64	51° 19' 26.656" N	1° 27' 16.644" E
5	392202.28	5686881.18	51° 19' 22.807" N	1° 27' 10.612" E
6	390128.15	5686931.09	51° 19' 22.993" N	1° 25' 23.440" E
7	390064.79	5686916.12	51° 19' 22.464" N	1° 25' 20.184" E
8	389585.81	5686931.79	51° 19' 22.637" N	1° 24' 55.430" E
9	389499.66	5686981.51	51° 19' 24.186" N	1° 24' 50.925" E
10	390035.53	5686981.51	51° 19' 24.560" N	1° 25' 18.600" E
11	391249.40	5687381.46	51° 19' 38.342" N	1° 26' 20.851" E
12	394508.73	5687262.26	51° 19' 36.695" N	1° 29' 9.324" E



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This drawing/map has been produced to the latest known information at the time of issue. Please consult with the Vattenfall GIS team to ensure the content is still current before using the information contained on this map.



Thanet Extension Wind Farm Offshore Co-ordinate Audit

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Rev	Date	Drawn By	Checked By	Comment	Datum	Projection	Plot	Scale	Purpose	Layout	Rev	Drg No
1	20/05/19	DATI	RASM	DRAFT Issue	ETRS89	UTM31N	A4	1:150,000	For Information	NA	1	THET2-1AG-700-006

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