The Great Grid Upgrade

North Humber to High Marnham

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North Humber to High Marnham

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Document 6.4.A1 Environmental Statement Appendix 4.1 - Indicative Pylon Schedule

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1. Appendix 4.1 Indicative Pylon Schedules

1.1 Introduction

1.1.1 This appendix to **Application Document 6.4 Chapter 4 Description of the Project** sets out the indicative pylon schedules for the Project. Indicative pylon schedules have been provided for the proposed overhead line and for existing overhead lines where works are proposed as part of the Project.

- Table **1.1** provides the indicative pylon schedule for the proposed overhead line (4AF route)
- Table **1.2** provides the indicative pylon schedule for the existing 4ZQ overhead line.
- Table **1.3** provides the indicative pylon schedule for the existing ZDA overhead line.

1.2 Proposed 4AF Overhead Line Indicative Pylon Schedule

Table 1.1 – Proposed 4AF overhead line indicative pylon schedule

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
Route Section A					
4AF1	New	Gantry	12.5	N/A	N/A
4AF2	New	Gantry[1]	12.5	N/A	N/A
4AF3	New	Terminal	52.0	15.92	6
4AF4	New	Suspension	50.6	10.90	6
4AF5	New	Tension	45.5	13.09	6.335
4AF6	New	Suspension	53.6	11.93	6
4AF7	New	Suspension	53.6	11.93	6
4AF8	New	Suspension	56.6	12.96	6
4AF9	New	Tension	51.9	13.82	6
4AF10	New	Suspension	53.6	11.93	6
4AF11	New	Suspension	53.6	11.93	6

[1] The Birkhill Wood and High Marnham Substations, and associated gantry structures, do not form part of this Project. They have been included for reference only, and are included in the Order Limits for access and to enable the overhead line connections to be constructed.

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4AF12	New	Tension	45.5	13.09	6.335
4AF13	New	Suspension	47.6	9.87	6
4AF14	New	Suspension	53.6	11.93	6
4AF15	New	Suspension	59.6	13.99	6
4AF16	New	Tension	48.9	12.12	6
4AF17	New	Suspension	47.6	9.87	6
4AF18	New	Suspension	50.6	10.90	6
4AF19	New	Tension	48.9	12.12	6
4AF20	New	Suspension	56.6	12.96	6
4AF21	New	Suspension	47.6	9.87	6
4AF22	New	Suspension	47.6	9.87	6
4AF23	New	Suspension	50.6	10.90	6
4AF24	New	Tension	54.5	18.31	6.335
4AF25	New	Suspension	50.6	10.9	6
4AF26	New	Tension	51.5	16.57	6.335
4AF27	New	Suspension	50.6	10.90	6
4AF28	New	Suspension	62.6	15.02	6
4AF29	New	Suspension	56.6	12.96	6
4AF30	New	Tension	45.5	13.09	6.335
4AF31	New	Suspension	50.6	10.90	6
4AF32	New	Suspension	65.6	16.05	6
4AF33	New	Tension	51.5	16.57	6.335
4AF34	New	Suspension	50.6	10.90	6
4AF35	New	Suspension	50.6	10.90	6
4AF36	New	Tension	48.5	14.83	6.335
4AF37	Existing	Tension	56.4	14.59	N/A
4AF38	Existing	Suspension	46.1	8.27	N/A
4AF39	Existing	Suspension	55.3	10.26	N/A
4AF40	Existing	Suspension	52.2	10.01	N/A

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4AF41	Existing	Suspension	55.3	10.26	N/A
4AF42	Existing	Tension	50.5	12.80	N/A
4AF43	Existing	Suspension	52.2	10.01	N/A
4AF44	Existing	Suspension	46.1	8.27	N/A
4AF45	Existing	Suspension	49.2	9.14	N/A
4AF46	Existing	Suspension	52.2	10.01	N/A
4AF47	Existing	Suspension	52.2	10.01	N/A
4AF48	New	Tension	45.5	13.09	6.335
4AF49	New	Suspension	53.6	11.93	6
4AF50	New	Suspension	53.6	11.93	6
4AF51	New	Suspension	56.6	12.96	6
4AF52	New	Tension	54.5	18.31	6.335
4AF53	New	Suspension	53.6	11.93	6
4AF54	New	Suspension	47.6	9.87	6
4AF55	New	Suspension	50.6	10.90	6
4AF56	New	Suspension	53.6	11.93	6
4AF57	New	Suspension	68.6	17.08	6
4AF58	New	Tension	60.5	21.79	6.335
4AF59	New	Suspension	53.6	11.93	6
4AF60	New	Tension	54.5	18.31	6.335
4AF61	New	Suspension	56.6	12.96	6
4AF62	New	Tension	51.5	16.57	6.335
4AF63	New	Suspension	59.6	13.99	6
4AF64	New	Suspension	56.6	12.96	6
4AF65	New	Suspension	62.6	15.02	6
4AF66	New	Suspension	59.6	13.99	6
4AF67	New	Tension	54.5	18.31	6.335
4AF68	New	Suspension	56.6	12.96	6
4AF69	New	Suspension	50.6	10.90	6

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4AF70	New	Suspension	56.6	12.96	6
4AF71	New	Tension	51.5	16.57	6.335
4AF72	New	Suspension	50.6	10.9	6
4AF73	New	Tension	54.5	18.31	6.335
4AF74	New	Suspension	53.6	11.93	6
4AF75	New	Suspension	50.6	10.90	6
4AF76	New	Tension	45.9	10.82	6
Route Section B					
4AF77	New	Suspension	128.6	N/A	20
4AF78	New	Suspension	128.6	N/A	20
4AF79	New	Tension	60.5	21.79	6.335
4AF80	New	Tension	51.9	13.82	6
4AF81	New	Suspension	53.6	11.93	6
4AF82	New	Suspension	53.6	11.93	6
4AF83	New	Suspension	53.6	11.93	6
4AF84	New	Tension	51.5	16.57	6.335
4AF85	New	Suspension	56.6	12.96	6
4AF86	New	Suspension	53.6	11.93	6
4AF87	New	Tension	48.5	14.83	6.335
4AF88	New	Suspension	53.6	11.93	6
4AF89	New	Suspension	53.6	11.93	6
4AF90	New	Suspension	56.6	12.96	6
4AF91	New	Suspension	47.6	9.87	6
4AF92	New	Tension	48.5	14.83	6.335
4AF93	New	Suspension	50.6	10.90	6
4AF94	New	Suspension	53.6	11.93	6
4AF95	New	Suspension	50.6	10.90	6
4AF96	New	Suspension	53.6	11.93	6
4AF97	New	Suspension	56.6	12.96	6

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4AF98	New	Tension	48.5	14.83	6.335
4AF99	New	Suspension	56.6	12.96	6
4AF100	New	Suspension	53.6	11.93	6
4AF101	New	Tension	45.9	10.82	6
4AF102	New	Suspension	50.6	10.90	6
4AF103	New	Suspension	50.6	10.90	6
4AF104	New	Tension	48.5	14.83	6.335
4AF105	New	Suspension	56.6	12.96	6
4AF106	New	Suspension	50.6	10.90	6
4AF107	New	Suspension	50.6	10.90	6
4AF108	New	Suspension	50.6	10.90	6
4AF109	New	Tension	51.5	16.57	6.335
4AF110	New	Suspension	50.6	10.90	6
4AF111	New	Suspension	53.6	11.93	6
4AF112	New	Suspension	53.6	11.93	6
4AF113	New	Suspension	50.6	10.90	6
4AF114	New	Tension	52.0	15.92	6
Route Section C					
4AF115	New	Suspension	50.6	10.90	6
4AF116	New	Suspension	47.6	9.87	6
4AF117	New	Suspension	50.6	10.90	6
4AF118	New	Suspension	59.6	13.99	6
4AF119	New	Suspension	59.6	13.99	6
4AF120	New	Tension	60.5	21.79	6.335
4AF121	New	Suspension	59.6	13.99	6
4AF122	New	Suspension	56.6	12.96	6
4AF123	New	Suspension	59.6	13.99	6
4AF124	New	Tension	60.5	21.79	6.335
4AF125	New	Suspension	59.6	13.99	6

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4AF126	New	Suspension	59.6	13.99	6
4AF127	New	Suspension	56.6	12.96	6
4AF128	New	Tension	45.9	10.82	6
Route Section D					
4AF129	New	Suspension	50.6	10.90	6
4AF130	New	Suspension	53.6	11.93	6
4AF131	New	Suspension	50.6	10.90	6
4AF132	New	Tension	42.5	11.35	6.335
4AF133	New	Suspension	62.6	15.02	6
4AF134	New	Suspension	59.6	13.99	6
4AF135	New	Suspension	59.6	13.99	6
4AF136	New	Tension	54.5	18.31	6.335
4AF137	New	Suspension	56.6	12.96	6
4AF138	New	Suspension	56.6	12.96	6
4AF139	New	Suspension	53.6	11.93	6
4AF140	New	Tension	48.5	14.83	6.335
4AF141	New	Suspension	47.6	9.87	6
4AF142	New	Suspension	53.6	11.93	6
4AF143	New	Suspension	53.6	11.93	6
4AF144	New	Suspension	56.6	12.96	6
4AF145	New	Suspension	59.6	13.99	6
4AF146	New	Tension	48.5	14.83	6.335
4AF147	New	Suspension	56.6	12.96	6
4AF148	New	Suspension	56.6	12.96	6
4AF149	New	Suspension	50.6	10.90	6
4AF150	New	Suspension	53.6	11.93	6
4AF151	New	Suspension	56.6	12.96	6
4AF152	New	Tension	57.5	20.05	6.335
4AF153	New	Suspension	62.6	15.02	6

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4AF154	New	Tension	51.5	16.57	6.335
4AF155	New	Suspension	53.6	11.93	6
4AF156	New	Tension	57.5	20.05	6.335
4AF157	New	Suspension	59.6	13.99	6
4AF158	New	Suspension	53.6	11.93	6
4AF159	New	Suspension	56.6	12.96	6
4AF160	New	Tension	48.5	14.83	6.335
4AF161	New	Suspension	59.6	13.99	6
4AF162	New	Tension	57.9	15.72	6
4AF163	New	Suspension	50.6	10.90	6
4AF164	New	Suspension	50.6	10.90	6
4AF165	New	Suspension	50.6	10.90	6
4AF166	New	Suspension	56.6	12.96	6
4AF167	New	Tension	51.5	16.57	6.335
4AF168	New	Suspension	50.6	10.90	6
4AF169	New	Suspension	50.60	10.90	6
4AF170	New	Suspension	53.6	11.93	6
4AF171	New	Tension	57.9	15.72	6
Route Section E					
4AF172	New	Suspension	53.6	11.93	6
4AF173	New	Suspension	50.6	10.90	6
4AF174	New	Suspension	56.6	12.96	6
4AF175	New	Suspension	56.6	12.96	6
4AF176	New	Tension	48.5	14.83	6.335
4AF177	New	Suspension	53.6	11.93	6
4AF178	New	Suspension	47.6	9.87	6
4AF179	New	Suspension	47.6	9.87	6
4AF180	New	Suspension	50.6	10.90	6
4AF181	New	Suspension	53.6	11.93	6

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4AF182	New	Tension	45.9	10.82	6
4AF183	New	Suspension	50.6	10.90	6
4AF184	New	Suspension	53.6	11.93	6
4AF185	New	Suspension	56.6	12.96	6
4AF186	New	Tension	54.5	18.31	6.335
4AF187	New	Suspension	56.6	12.96	6
4AF188	New	Suspension	53.6	11.93	6
4AF189	New	Suspension	50.6	10.90	6
4AF190	New	Suspension	50.6	10.90	6
4AF191	New	Suspension	56.6	12.96	6
4AF192	New	Tension	57.5	20.05	6.335
4AF193	New	Suspension	53.6	11.93	6
4AF194	New	Suspension	53.6	11.93	6
4AF195	New	Tension	48.5	14.83	6.335
4AF196	New	Suspension	53.6	11.93	6
4AF197	New	Suspension	50.6	10.90	6
4AF198	New	Suspension	50.6	10.90	6
4AF199	New	Suspension	53.6	11.93	6
4AF200	New	Tension	48.5	14.83	6.335
4AF201	New	Suspension	56.6	12.96	6
4AF202	New	Suspension	53.6	11.93	6
4AF203	New	Tension	48.5	14.83	6.335
4AF204	New	Suspension	53.6	11.93	6
4AF205	New	Suspension	47.6	9.87	6
4AF206	New	Suspension	47.6	9.87	6
4AF207	New	Suspension	47.6	9.87	6
4AF208	New	Suspension	53.6	11.93	6
4AF209	New	Tension	55.0	17.38	6
4AF210	New	Suspension	53.6	11.93	6

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4AF211	New	Suspension	53.6	11.93	6
4AF212	New	Suspension	53.6	11.93	6
4AF213	New	Suspension	47.6	9.87	6
4AF214	New	Suspension	56.6	12.96	6
4AF215	New	Tension	51.5	16.57	6.335
4AF216	New	Suspension	50.6	10.90	6
4AF217	New	Suspension	50.6	10.90	6
4AF218	New	Suspension	50.6	10.90	6
4AF219	New	Suspension	50.6	10.90	6
4AF220	New	Tension	52.0	15.92	6
4AF221	New	Suspension	56.6	12.96	6
4AF222	New	Suspension	56.6	12.96	6
4AF223	New	Suspension	53.6	11.93	6
4AF224	New	Tension	42.9	9.72	6
4AF225	New	Suspension	53.6	11.93	6
4AF226	New	Suspension	50.6	10.90	6
4AF227	New	Suspension	50.6	10.90	6
4AF228	New	Tension	54.5	18.31	6.335
4AF229	New	Suspension	53.6	11.93	6
4AF230	New	Suspension	50.6	10.90	6
4AF231	New	Suspension	56.6	12.96	6
4AF232	New	Suspension	59.6	13.99	6
4AF233	New	Tension	57.5	20.05	6.335
4AF234	New	Suspension	53.6	11.93	6
4AF235	New	Suspension	53.6	11.93	6
4AF236	New	Suspension	56.6	12.96	6
4AF237	New	Tension	51.5	16.57	6.335
4AF238	New	Suspension	53.6	11.93	6
4AF239	New	Suspension	50.6	10.90	6

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4AF240	New	Suspension	53.6	11.93	6
4AF241	New	Suspension	56.6	12.96	6
4AF242	New	Tension	42.9	9.72	6
4AF243	New	Suspension	53.6	11.93	6
4AF244	New	Suspension	56.6	12.96	6
4AF245	New	Suspension	50.6	10.90	6
4AF246	New	Suspension	47.6	9.87	6
4AF247	New	Tension	51.9	13.82	6
Route Section F					
4AF248	New	Suspension	56.6	12.96	6
4AF249	New	Suspension	50.6	10.90	6
4AF250	New	Tension	48.5	14.83	6.335
4AF251	New	Suspension	50.6	10.90	6
4AF252	New	Suspension	53.6	11.93	6
4AF253	New	Suspension	53.6	11.93	6
4AF254	New	Tension	51.5	16.57	6.335
4AF255	New	Suspension	53.6	11.93	6
4AF256	New	Tension	54.9	14.52	6
4AF257	New	Suspension	59.6	13.99	6
4AF258	New	Terminal	49	14.46	6
4AF259	New	Gantry	12.5	N/A	N/A
4AF260	New	Gantry[2]	12.5	N/A	N/A

[2] The Birkhill Wood and High Marnham Substations, and associated gantry structures, do not form part of this Project. They have been included for reference only, and are included in the Order Limits for access and to enable the overhead line connections to be constructed.

1.3 Existing 4ZQ Overhead Line Indicative Pylon Schedule

Table 1.2 – Existing 4ZQ overhead line indicative pylon schedule

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
Route Section A					
4ZQ84	Existing	Tension	47.3	10.97	N/A
4ZQ83	Existing	Suspension	46.1	8.27	N/A
4ZQ82	Existing	Suspension	49.2	9.14	N/A
4ZQ81	Existing	Suspension	49.2	9.14	N/A
4ZQ80	Existing	Tension	44.2	9.77	N/A
4ZQ79B	Existing	Suspension	64.4	13.50	N/A
4ZQ79A	New	Tension	45.5	13.09	6.335
4ZQ78	New	Suspension	50.6	10.90	6
4ZQ77	New	Suspension	47.6	9.87	6
4ZQ76	New	Suspension	62.6	15.02	6
4ZQ75	New	Suspension	62.6	15.02	6
4ZQ74	New	Suspension	53.6	11.93	6
4ZQ73	New	Tension	54.9	14.52	6
4ZQ72	New	Suspension	53.6	11.93	6
4ZQ71	New	Suspension	50.6	10.90	6
4ZQ70	New	Tension	51.5	16.57	6.335
4ZQ69	New	Suspension	56.6	12.96	6
4ZQ68	New	Suspension	50.6	10.90	6
4ZQ67	New	Suspension	50.6	10.90	6
4ZQ66	New	Suspension	47.6	9.87	6
4ZQ65	New	Tension	51.5	16.57	6.335
4ZQ64	New	Suspension	53.6	11.93	6
4ZQ63	Existing	Tension	47.3	10.97	N/A
4ZQ62	Existing	Suspension	55.3	10.26	N/A
4ZQ61	Existing	Suspension	52.2	10.01	N/A

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
4ZQ60	Existing	Suspension	49.2	9.14	N/A
4ZQ59	Existing	Suspension	46.1	8.27	N/A
4ZQ58	Existing	Suspension	52.2	10.01	N/A
4ZQ57	Existing	Tension	47.3	10.97	N/A

1.4 Existing ZDA Overhead Line Indicative Pylon Schedule

Table 1.3 – Existing ZDA overhead line indicative pylon schedule

Pylon number	New/ existing	Indicative pylon type	Indicative pylon height (m)	Indicative pylon base width (m)	Vertical LoD (m)
Route Section C					
ZDA113	Existing	Tension	41.9	9.60	N/A
ZDA114	Existing	Suspension	41.7	7.47	N/A
ZDA115	Existing	Suspension	41.7	7.47	N/A
ZDA116	Existing	Tension	41.9	9.60	N/A
ZDA117	Existing	Suspension	41.7	7.47	N/A
ZDA118	Existing	Suspension	41.7	7.47	N/A
ZDA119A	New	Tension	48.2	12.19	7.4
ZDA119B	New	Tension	18.5	14.20	3
ZDA119C	New	Tension	18.5	14.20	3
ZDA120A	New	Tension	18.5	14.20	3
ZDA120B	New	Tension	18.5	14.20	3
ZDA120C	New	Tension	48.2	12.19	7.4
ZDA121	Existing	Suspension	46.5	8.79	N/A
ZDA122	Existing	Suspension	41.7	7.47	N/A
ZDA123	Existing	Tension	41.9	9.60	N/A
ZDA124	Existing	Suspension	47.8	9.12	N/A
ZDA125	Existing	Suspension	44.1	8.13	N/A
ZDA126	Existing	Suspension	46.5	8.879	N/A
ZDA127	Existing	Tension	34.5	7.09	N/A
ZDA127A	Existing	Terminal	44.1	12.65	N/A

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