

Scottish Hydro Electric Transmission plc
Beauly-Denny Overhead Line Diversion
Environmental Appraisal
Technical Appendices

**Appendix 9 A.13 – Construction Noise Assessment of
Proposed Development**

July 2025



9A.13 CONSTRUCTION NOISE ASSESSMENT OF PROPOSED DEVELOPMENT

NSR	Shortest distance to OHL (m)	Tree Felling		Foundations		Tower Erection /Removal		Downleads		Stringing		Fibre Diversion		Scaffold		Yard		General	
		SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance
1	170	82	27	71	16	60	5	60	5	63	8	54	-1	56	1	54	-1	54	-1
2	478	69	14	61	6	56	1	56	1	57	2	55	0	56	1	55	0	55	0
3	116	58	3	62	7	57	2	63	8	66	11	56	1	56	1	56	1	56	1
4	1372	46	-9	50	-5	38	-17	41	-14	44	-11	24	-31	30	-25	25	-30	25	-30
5	187	64	9	70	15	58	3	59	4	61	6	51	-4	53	-2	51	-4	51	-4
6	334	60	5	62	7	59	4	60	5	60	5	59	4	59	4	59	4	59	4
7	327	61	6	64	9	59	4	59	4	60	5	58	3	59	4	58	3	58	3
8	1121	50	-5	52	-3	44	-11	46	-9	48	-7	43	-12	43	-12	43	-12	43	-12
9	330	58	3	63	8	58	3	59	4	60	5	58	3	58	3	58	3	58	3
10	496	56	1	60	5	55	0	55	0	56	1	54	-1	54	-1	54	-1	54	-1
11	429	68	13	62	7	59	4	60	5	60	5	59	4	59	4	59	4	59	4
12	430	58	3	61	6	58	3	59	4	59	4	58	3	58	3	58	3	58	3
13	418	59	4	61	6	59	4	59	4	60	5	59	4	59	4	59	4	59	4
14	102	53	-2	58	3	51	-4	64	9	67	12	50	-5	51	-4	52	-3	52	-3
15	420	65	10	59	4	56	1	57	2	58	3	56	1	56	1	56	1	56	1
16	637	59	4	61	6	59	4	59	4	59	4	59	4	59	4	59	4	59	4
17	551	61	6	62	7	61	6	61	6	62	7	61	6	61	6	61	6	61	6
18	365	57	2	58	3	56	1	58	3	59	4	56	1	56	1	56	1	56	1
19	775	57	2	58	3	56	1	56	1	56	1	56	1	56	1	56	1	56	1
20	333	61	6	61	6	61	6	61	6	62	7	60	5	60	5	61	6	61	6
21	108	51	-4	55	0	50	-5	63	8	66	11	49	-6	49	-6	51	-4	51	-4
22	346	60	5	61	6	60	5	60	5	61	6	60	5	60	5	60	5	60	5

NSR	Shortest distance to OHL (m)	Tree Felling		Foundations		Tower Erection /Removal		Downleads		Stringing		Fibre Diversion		Scaffold		Yard		General	
		SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance
23	114	81	26	59	4	57	2	64	9	66	11	57	2	57	2	58	3	58	3
24	830	62	7	61	6	60	5	60	5	61	6	60	5	60	5	60	5	60	5
25	97	56	1	57	2	55	0	64	9	67	12	55	0	55	0	56	1	56	1
26	325	60	5	60	5	59	4	60	5	61	6	59	4	59	4	59	4	59	4
27	378	58	3	58	3	57	2	58	3	59	4	57	2	57	2	57	2	57	2
28	173	59	4	55	0	52	-3	60	5	62	7	52	-3	52	-3	53	-2	53	-2
29	269	64	9	60	5	59	4	61	6	62	7	59	4	59	4	59	4	59	4
30	319	60	5	61	6	60	5	61	6	62	7	60	5	60	5	60	5	60	5
31	92	50	-5	53	-2	47	-8	64	9	67	12	46	-9	47	-8	50	-5	50	-5
32	72	52	-3	53	-2	47	-8	66	11	69	14	47	-8	47	-8	51	-4	51	-4
33	989	60	5	60	5	60	5	60	5	60	5	60	5	60	5	60	5	60	5
34	570	63	8	62	7	62	7	62	7	62	7	62	7	62	7	62	7	62	7
35	475	54	-1	52	-3	45	-10	51	-4	53	-2	44	-11	44	-11	44	-11	44	-11
36	1049	62	7	62	7	61	6	61	6	61	6	61	6	61	6	61	6	61	6
37	1096	65	10	59	4	58	3	58	3	58	3	58	3	58	3	58	3	58	3
38	972	61	6	61	6	60	5	60	5	60	5	60	5	60	5	60	5	60	5
39	973	60	5	60	5	60	5	60	5	60	5	60	5	60	5	60	5	60	5
40	218	55	0	52	-3	48	-7	57	2	60	5	47	-8	47	-8	48	-7	48	-7
41	1121	56	1	53	-2	50	-5	50	-5	51	-4	50	-5	50	-5	50	-5	50	-5
42	768	52	-3	51	-4	44	-11	47	-8	49	-6	43	-12	43	-12	43	-12	43	-12
43	468	55	0	51	-4	45	-10	51	-4	53	-2	44	-11	44	-11	44	-11	44	-11
44	1117	53	-2	54	-1	52	-3	52	-3	52	-3	52	-3	52	-3	52	-3	52	-3
45	398	51	-4	51	-4	46	-9	52	-3	55	0	45	-10	46	-9	46	-9	46	-9
46	1114	63	8	55	0	54	-1	54	-1	54	-1	54	-1	54	-1	54	-1	54	-1
47	744	52	-3	51	-4	44	-11	47	-8	49	-6	43	-12	43	-12	43	-12	43	-12

NSR	Shortest distance to OHL (m)	Tree Felling		Foundations		Tower Erection /Removal		Downleads		Stringing		Fibre Diversion		Scaffold		Yard		General	
		SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance
48	730	71	16	51	-4	44	-11	47	-8	50	-5	43	-12	43	-12	43	-12	43	-12
49	1150	56	1	55	0	54	-1	54	-1	54	-1	54	-1	54	-1	54	-1	54	-1
50	1120	55	0	53	-2	49	-6	50	-5	50	-5	49	-6	49	-6	49	-6	49	-6
51	751	49	-6	51	-4	44	-11	47	-8	49	-6	43	-12	43	-12	43	-12	43	-12
52	1117	67	12	59	4	58	3	58	3	59	4	58	3	58	3	58	3	58	3
53	1129	53	-2	54	-1	52	-3	52	-3	52	-3	51	-4	51	-4	51	-4	51	-4
54	374	54	-1	51	-4	46	-9	53	-2	55	0	46	-9	46	-9	46	-9	46	-9
55	179	56	1	55	0	54	-1	60	5	62	7	54	-1	54	-1	54	-1	54	-1
56	746	49	-6	51	-4	44	-11	47	-8	49	-6	43	-12	43	-12	43	-12	43	-12
57	520	54	-1	51	-4	45	-10	50	-5	52	-3	44	-11	45	-10	45	-10	45	-10
58	735	50	-5	51	-4	44	-11	47	-8	49	-6	43	-12	43	-12	43	-12	43	-12
59	558	51	-4	53	-2	50	-5	52	-3	54	-1	50	-5	50	-5	50	-5	50	-5
60	1056	57	2	52	-3	50	-5	51	-4	51	-4	50	-5	50	-5	50	-5	50	-5
61	400	53	-2	52	-3	49	-6	53	-2	55	0	48	-7	48	-7	48	-7	48	-7
62	810	51	-4	52	-3	49	-6	50	-5	51	-4	49	-6	49	-6	49	-6	49	-6
63	134	54	-1	54	-1	52	-3	61	6	64	9	52	-3	52	-3	53	-2	53	-2
64	1270	58	3	56	1	56	1	56	1	56	1	56	1	56	1	56	1	56	1
65	980	54	-1	50	-5	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
66	1042	51	-4	50	-5	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
67	1444	59	4	59	4	59	4	59	4	59	4	59	4	59	4	59	4	59	4
68	1362	54	-1	54	-1	53	-2	53	-2	53	-2	53	-2	53	-2	53	-2	53	-2
69	1339	52	-3	51	-4	48	-7	49	-6	49	-6	48	-7	48	-7	48	-7	48	-7
70	1321	60	5	60	5	59	4	59	4	59	4	59	4	59	4	59	4	59	4
71	996	49	-6	49	-6	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
72	1403	53	-2	53	-2	52	-3	52	-3	52	-3	52	-3	52	-3	52	-3	52	-3

NSR	Shortest distance to OHL (m)	Tree Felling		Foundations		Tower Erection /Removal		Downleads		Stringing		Fibre Diversion		Scaffold		Yard		General	
		SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance
73	1058	50	-5	50	-5	47	-8	48	-7	49	-6	46	-9	46	-9	46	-9	46	-9
74	1162	55	0	48	-7	42	-13	44	-11	46	-9	42	-13	42	-13	42	-13	42	-13
75	1049	55	0	49	-6	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
76	1143	55	0	49	-6	42	-13	44	-11	46	-9	42	-13	42	-13	42	-13	42	-13
77	1148	55	0	49	-6	42	-13	44	-11	46	-9	41	-14	42	-13	42	-13	42	-13
78	1074	55	0	49	-6	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
79	1070	55	0	49	-6	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
80	1062	55	0	49	-6	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
81	1058	55	0	49	-6	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
82	704	55	0	48	-7	45	-10	48	-7	50	-5	45	-10	45	-10	45	-10	45	-10
83	407	56	1	51	-4	48	-7	52	-3	55	0	47	-8	47	-8	48	-7	48	-7
84	170	57	2	54	-1	53	-2	60	5	62	7	53	-2	53	-2	53	-2	53	-2
85	425	56	1	51	-4	47	-8	52	-3	54	-1	47	-8	47	-8	47	-8	47	-8
86	432	56	1	51	-4	47	-8	52	-3	54	-1	47	-8	47	-8	47	-8	47	-8
87	220	56	1	52	-3	50	-5	57	2	60	5	50	-5	50	-5	51	-4	51	-4
88	1014	55	0	48	-7	44	-11	46	-9	47	-8	43	-12	43	-12	43	-12	43	-12
89	987	55	0	48	-7	44	-11	46	-9	48	-7	43	-12	43	-12	43	-12	43	-12
90	1124	55	0	48	-7	43	-12	45	-10	46	-9	42	-13	42	-13	42	-13	42	-13
91	1115	55	0	48	-7	43	-12	45	-10	46	-9	42	-13	42	-13	42	-13	42	-13
92	1098	55	0	48	-7	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
93	1077	55	0	48	-7	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
94	1240	55	0	47	-8	42	-13	44	-11	46	-9	41	-14	42	-13	42	-13	42	-13
95	1118	55	0	48	-7	42	-13	45	-10	46	-9	42	-13	42	-13	42	-13	42	-13
96	1071	55	0	48	-7	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
97	1071	55	0	48	-7	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13

NSR	Shortest distance to OHL (m)	Tree Felling		Foundations		Tower Erection /Removal		Downleads		Stringing		Fibre Diversion		Scaffold		Yard		General	
		SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance
98	1155	55	0	48	-7	42	-13	44	-11	46	-9	42	-13	42	-13	42	-13	42	-13
99	120	84	29	64	9	61	6	61	6	62	7	60	5	60	5	60	5	60	5
100	120	84	29	63	8	59	4	59	4	60	5	58	3	59	4	58	3	58	3
101	1012	55	0	49	-6	46	-9	47	-8	48	-7	45	-10	45	-10	45	-10	45	-10
102	1448	55	0	56	1	55	0	55	0	56	1	55	0	55	0	55	0	55	0
103	1446	55	0	55	0	55	0	55	0	55	0	55	0	55	0	55	0	55	0
104	1494	55	0	51	-4	49	-6	49	-6	49	-6	49	-6	49	-6	49	-6	49	-6
105	1476	55	0	57	2	57	2	57	2	57	2	57	2	57	2	57	2	57	2
106	1457	55	0	60	5	60	5	60	5	60	5	60	5	60	5	60	5	60	5
107	1279	55	0	55	0	54	-1	54	-1	54	-1	54	-1	54	-1	54	-1	54	-1
108	1325	55	0	63	8	62	7	62	7	62	7	62	7	62	7	62	7	62	7
109	1400	55	0	55	0	53	-2	53	-2	54	-1	53	-2	53	-2	53	-2	53	-2
110	1379	55	0	57	2	56	1	56	1	56	1	56	1	56	1	56	1	56	1
111	1453	55	0	53	-2	52	-3	52	-3	52	-3	52	-3	52	-3	52	-3	52	-3
112	1425	55	0	57	2	56	1	56	1	56	1	56	1	56	1	56	1	56	1
113	1346	55	0	53	-2	51	-4	51	-4	51	-4	50	-5	50	-5	50	-5	50	-5
114	971	57	2	61	6	61	6	61	6	61	6	61	6	61	6	61	6	61	6
115	826	58	3	58	3	57	2	57	2	57	2	57	2	57	2	57	2	57	2
116	430	57	2	61	6	58	3	59	4	59	4	58	3	58	3	58	3	58	3
117	1294	55	0	52	-3	49	-6	49	-6	50	-5	48	-7	48	-7	48	-7	48	-7
118	1293	55	0	52	-3	49	-6	50	-5	50	-5	49	-6	49	-6	49	-6	49	-6
119	1343	55	0	51	-4	48	-7	48	-7	49	-6	47	-8	47	-8	47	-8	47	-8
120	1049	55	0	52	-3	49	-6	49	-6	50	-5	49	-6	49	-6	49	-6	49	-6
121	1090	55	0	52	-3	49	-6	50	-5	50	-5	49	-6	49	-6	49	-6	49	-6
122	1030	55	0	52	-3	50	-5	50	-5	51	-4	49	-6	49	-6	49	-6	49	-6

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		SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance
123	1271	55	0	50	-5	43	-12	44	-11	46	-9	42	-13	42	-13	42	-13	42	-13
124	1240	55	0	50	-5	43	-12	44	-11	46	-9	42	-13	42	-13	42	-13	42	-13
125	1114	55	0	49	-6	43	-12	44	-11	46	-9	42	-13	42	-13	42	-13	42	-13
126	1172	55	0	49	-6	42	-13	44	-11	46	-9	41	-14	42	-13	41	-14	41	-14
127	1350	55	0	51	-4	43	-12	45	-10	46	-9	42	-13	42	-13	42	-13	42	-13
128	1342	55	0	51	-4	43	-12	45	-10	46	-9	42	-13	42	-13	42	-13	42	-13
129	1333	55	0	51	-4	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
130	1319	55	0	51	-4	44	-11	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
131	1437	55	0	50	-5	43	-12	44	-11	46	-9	42	-13	42	-13	42	-13	42	-13
132	1450	55	0	50	-5	43	-12	44	-11	46	-9	42	-13	42	-13	42	-13	42	-13
133	1127	56	1	52	-3	44	-11	46	-9	48	-7	43	-12	43	-12	43	-12	43	-12
134	721	54	-1	48	-7	45	-10	48	-7	50	-5	44	-11	44	-11	44	-11	44	-11
135	736	54	-1	48	-7	45	-10	48	-7	50	-5	44	-11	44	-11	44	-11	44	-11
136	680	54	-1	51	-4	47	-8	50	-5	51	-4	47	-8	47	-8	47	-8	47	-8
137	401	57	2	62	7	61	6	61	6	62	7	61	6	61	6	61	6	61	6
138	342	54	-1	48	-7	44	-11	52	-3	55	0	44	-11	44	-11	44	-11	44	-11
139	358	54	-1	49	-6	45	-10	53	-2	56	1	45	-10	45	-10	45	-10	45	-10
140	354	54	-1	49	-6	45	-10	53	-2	56	1	45	-10	45	-10	45	-10	45	-10
141	367	54	-1	49	-6	46	-9	53	-2	56	1	46	-9	46	-9	46	-9	46	-9
142	354	54	-1	50	-5	46	-9	53	-2	56	1	46	-9	46	-9	46	-9	46	-9
143	880	55	0	50	-5	43	-12	46	-9	48	-7	42	-13	43	-12	42	-13	42	-13
144	953	55	0	50	-5	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
145	1068	55	0	49	-6	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13
146	809	55	0	51	-4	44	-11	47	-8	49	-6	43	-12	43	-12	43	-12	43	-12
147	950	54	-1	49	-6	43	-12	45	-10	47	-8	42	-13	42	-13	42	-13	42	-13

NSR	Shortest distance to OHL (m)	Tree Felling		Foundations		Tower Erection /Removal		Downleads		Stringing		Fibre Diversion		Scaffold		Yard		General	
		SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance	SPL at Receptor (dB)	Construction Noise Limit Exceedance
148	856	55	0	50	-5	43	-12	46	-9	48	-7	42	-13	43	-12	42	-13	42	-13
149	844	55	0	50	-5	43	-12	46	-9	48	-7	42	-13	43	-12	43	-12	43	-12
150	827	55	0	50	-5	44	-11	46	-9	49	-6	43	-12	43	-12	43	-12	43	-12
151	310	57	2	52	-3	47	-8	54	-1	57	2	47	-8	47	-8	47	-8	47	-8
152	155	63	8	54	-1	51	-4	60	5	63	8	51	-4	51	-4	52	-3	52	-3
153	90	58	3	61	6	54	-1	65	10	68	13	53	-2	53	-2	54	-1	54	-1
154	83	58	3	60	5	54	-1	65	10	68	13	53	-2	53	-2	54	-1	54	-1