

**Spittal to Loch Buidhe to Beauly 400 kV
OHL Connection
Environmental Impact Assessment
Volume 5 | Technical Appendix**

**Appendix 15.5 | Operational Noise
Impact Assessment**

July 2025



VOLUME 5: APPENDIX 15.5 – OPERATIONAL NOISE IMPACT ASSESSMENT

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1. INTRODUCTION

- 1.1.1 The purpose of this appendix is to provide the results of the Operational Noise Impact Assessment. Each table provides the results of the Tier 1 TGN(E)322 assessment, including predicted noise levels at each Noise Sensitive Receptor (NSR) during wet conditions, the magnitude of impact that noise level could have, and the significance of that impact on the NSR. For additional context, the assessment has been conducted for both distances to the Proposed Alignment (for the planned scenario) and to the outer edge of the Limit of Deviation (LoD) (for the worst-case scenario).

2. OPERATIONAL NOISE IMPACT RESULTS

Table 1: TGN(E)322 Tier 1 Result Summary (Distance to the Outer Edge of the Limit of Deviation plus 45m)

NSR	Name, if possible	Coordinate (X)	Coordinate (Y)	Distance from Outer Edge of Limit of Deviation plus 45 (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
1	STAR COTTAGE	317911	955038	191	22.6	Medium	No Effect	Negligible	Acceptable
2		318354	954707	289	19.1	Medium	No Effect	Negligible	Acceptable
3	TOFTINGALL FARM	318373	954704	283	19.1	Medium	No Effect	Negligible	Acceptable
4	LANERGILL FARM, LANERGILL	319053	954486	186	23.0	Medium	No Effect	Negligible	Acceptable
5	LYDIAS HOUSE, TOFTINGALL FARM	318559	954429	207	22.2	Medium	No Effect	Negligible	Acceptable
6	HALSARY	318098	949149	184	23.0	Medium	No Effect	Negligible	Acceptable
7	RANGAG FARM	317656	944782	207	22.2	Medium	No Effect	Negligible	Acceptable
8	OLD KEEPERS COTTAGE	317678	944568	192	22.6	Medium	No Effect	Negligible	Acceptable
9	ROWAN COTTAGE, RANGAG	317596	944165	369	16.4	Medium	No Effect	Negligible	Acceptable
10	HILL OF RANGAG	317696	943729	290	19.1	Medium	No Effect	Negligible	Acceptable
11	HILL CROFT, RANGAG	317775	943569	234	21.0	Medium	No Effect	Negligible	Acceptable
12	ACHAVANICH FARM	317957	942904	149	24.9	Medium	No Effect	Negligible	Acceptable
13	SCHOOLHOUSE ACHAVANICH	318009	942654	147	24.9	Medium	No Effect	Negligible	Acceptable

NSR	Name, if possible	Coordinate (X)	Coordinate (Y)	Distance from Outer Edge of Limit of Deviation plus 45 (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
14	LOCHEND COTTAGE	318256	941006	140	25.4	Medium	No Effect	Negligible	Acceptable
15	CORRIE VIEW	318573	939256	205	22.2	Medium	No Effect	Negligible	Acceptable
16	WILLOW COTTAGE	318389	938987	318	18.1	Medium	No Effect	Negligible	Acceptable
17	MOUNTAIN VIEW	318421	937769	141	24.9	Medium	No Effect	Negligible	Acceptable
18	BRAEHUNGIE	318433	937364	140	24.9	Medium	No Effect	Negligible	Acceptable
19	FORBES HOUSE, BOULTACH	317717	935460	463	13.3	Medium	No Effect	Negligible	Acceptable
20	SCHOOLHOUSE, BOULTACH	317268	934617	394	15.5	Medium	No Effect	Negligible	Acceptable
21	BALCRAGGIE LODGE	314115	930588	444	13.9	Medium	No Effect	Negligible	Acceptable
22	ACHORN HOUSE	313743.39	930286.52	281	19.1	Medium	No Effect	Negligible	Acceptable
23	BURNSIDE, RAMSCRAIGS	313301	926916	434	14.2	Medium	No Effect	Negligible	Acceptable
24	NEWLANDS HOUSE	313310	926556	378	16.1	Medium	No Effect	Negligible	Acceptable
25	UPPER BORGUE	313200	926260	340	17.1	Medium	No Effect	Negligible	Acceptable
26	REDLESBURN HOUSE	313043	926127	342	17.1	Medium	No Effect	Negligible	Acceptable
27	HOUSE NEAR REDLESBURN HOUSE.	312976	925799	435	14.2	Medium	No Effect	Negligible	Acceptable
28	ROSE COTTAGE, BADRINSARY	312032	924102	324	17.7	Medium	No Effect	Negligible	Acceptable

NSR	Name, if possible	Coordinate (X)	Coordinate (Y)	Distance from Outer Edge of Limit of Deviation plus 45 (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
29	HOUSE AT BADRINSARY, BERRIEDALE	311871	924041	263	19.8	Medium	No Effect	Negligible	Acceptable
30	LANGWELL KENNELS	310334	922436	370	16.4	Medium	No Effect	Negligible	Acceptable
31	LANGWELL GARDENS	310052	922240	307	18.4	Medium	No Effect	Negligible	Acceptable
32	KEEPERS COTTAGE, OUSDALE	306677	920477	151	24.4	Medium	No Effect	Negligible	Acceptable
33	THE BUNGALOW, OUSDALE	307154	920347	290	18.7	Medium	No Effect	Negligible	Acceptable
34	HOUSE AT CAEN, HELMSDALE	301697	917751	146	24.9	Medium	No Effect	Negligible	Acceptable
35	CRAIG BRAE	301654.3	917353.1	370	16.1	Medium	No Effect	Negligible	Acceptable
36	KILLIN	285558	907084	146	24.9	Medium	No Effect	Negligible	Acceptable
37	CARROLL COTTAGE	284811	906988	148	24.9	Medium	No Effect	Negligible	Acceptable
38	HOUSE AT KINNAULD	273974	901446	414	14.8	Medium	No Effect	Negligible	Acceptable
39	KEEPERS COTTAGE, WEST KINNAULD	274011	901412	365	16.4	Medium	No Effect	Negligible	Acceptable
40	OLD SCHOOL, KINNAULD	274050	901381	316	18.1	Medium	No Effect	Negligible	Acceptable

NSR	Name, if possible	Coordinate (X)	Coordinate (Y)	Distance from Outer Edge of Limit of Deviation plus 45 (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
41	EAST KINNAULD	273972	901159	261	19.8	Medium	No Effect	Negligible	Acceptable
42	7 EIDEN	273283	900825	416	14.8	Medium	No Effect	Negligible	Acceptable
43	EIDEN FARM	273411	900818	343	17.1	Medium	No Effect	Negligible	Acceptable
44	DALNAMAIN	272482	898555	133	25.4	Medium	No Effect	Negligible	Acceptable
45		257643	896880	393	15.5	Medium	No Effect	Negligible	Acceptable
46	INVERSHIN FARM	257364.57	896639.14	279	19.5	Medium	No Effect	Negligible	Acceptable
47	OAK BANK, CULRAIN	256987	896359	222	21.3	Medium	No Effect	Negligible	Acceptable
48	CREIDE, CULRAIN	256949	896214	138	25.4	Medium	No Effect	Negligible	Acceptable
49	LEAC DUBH MOR	255126	891381	423	14.5	Medium	No Effect	Negligible	Acceptable
50	CAIRN VIEW, CULEAVE	255224	891370	325	17.7	Medium	No Effect	Negligible	Acceptable
51	CNOC CLUARAN	255314	891344	234	21.0	Medium	No Effect	Negligible	Acceptable
52	CULEAVE	255963	891336	285	19.1	Medium	No Effect	Negligible	Acceptable
53	SONNYCROFT, CULEAVE	255827	891276	150	24.9	Medium	No Effect	Negligible	Acceptable
54	CULEAVE COTTAGE	255263	891108	282	19.1	Medium	No Effect	Negligible	Acceptable
55	RECHLU, DOUNIE	255993	890771	322	17.7	Medium	No Effect	Negligible	Acceptable
56	GLAICK CROFT, BOATH	256832	873795	255	20.2	Medium	No Effect	Negligible	Acceptable

NSR	Name, if possible	Coordinate (X)	Coordinate (Y)	Distance from Outer Edge of Limit of Deviation plus 45 (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
57	TIGH-NA-CRAIG	255722	869045	288	19.1	Medium	No Effect	Negligible	Acceptable
58	WEST END	256303	868873	182	23.0	Medium	No Effect	Negligible	Acceptable
59	FANNYFIELD HOUSE	255263	865777	238	21.0	Medium	No Effect	Negligible	Acceptable
60	FANNYFIELD COTTAGE	255224	865762	208	22.2	Medium	No Effect	Negligible	Acceptable
61	COUL HOUSE HOTEL	246250	856404	417	14.8	Medium	No Effect	Negligible	Acceptable
62	CNOC NA COULL	246405	856393	319	18.1	Medium	No Effect	Negligible	Acceptable
63	COUL COTTAGE	246374	856326	392	15.5	Medium	No Effect	Negligible	Acceptable
64	MID LODGE	246835	856309	147	24.9	Medium	No Effect	Negligible	Acceptable
65	ACHNACOUL	246618	856294	281	19.1	Medium	No Effect	Negligible	Acceptable
66	COUL GARDEN COTTAGE	246439	856274	398	15.5	Medium	No Effect	Negligible	Acceptable
67	BROOM PARK	247375	856239	194	22.6	Medium	No Effect	Negligible	Acceptable
68	OAKMOR	246613.33	855804.21	288	19.1	Medium	No Effect	Negligible	Acceptable
69	HEIGHTS OF KINNAHAIRD	246767	855785	165	23.9	Medium	No Effect	Negligible	Acceptable
70	BENVIEW, CONTIN MAINS	246332	855361	182	23.0	Medium	No Effect	Negligible	Acceptable
71	GRIEVES COTTAGE	246970	855293	192	22.6	Medium	No Effect	Negligible	Acceptable

NSR	Name, if possible	Coordinate (X)	Coordinate (Y)	Distance from Outer Edge of Limit of Deviation plus 45 (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
72	1 BRUAICH COTTAGES	246793	855195	134	25.4	Medium	No Effect	Negligible	Acceptable
73	2 BRUAICH COTTAGES	246802	855192	142	24.9	Medium	No Effect	Negligible	Acceptable
74	3 BRUAICH COTTAGES	246808	855191	147	24.9	Medium	No Effect	Negligible	Acceptable
75	KINNAHAIRD FARM	246893	855164	227	21.3	Medium	No Effect	Negligible	Acceptable
76	WESTER NEWTON, FAIRBURN	244989	854316	207	22.2	Medium	No Effect	Negligible	Acceptable
77	EASTER NEWTON, FAIRBURN	245010	854307	187	23.0	Medium	No Effect	Negligible	Acceptable
78	LODGE	245622	854134	173	23.5	Medium	No Effect	Negligible	Acceptable
79	FAIRBURN ACTIVITY CENTER	245335	852852	418	14.8	Medium	No Effect	Negligible	Acceptable
80	BUTLERS COTTAGE	245285	852850	379	16.1	Medium	No Effect	Negligible	Acceptable
81	THE COTTAGE	245384	852794	418	14.8	Medium	No Effect	Negligible	Acceptable
82	JACKSON COTTAGE	245254	852700	258	20.2	Medium	No Effect	Negligible	Acceptable
83	FOREST LODGE	245370	852617	293	18.7	Medium	No Effect	Negligible	Acceptable
84	SAWMILL COTTAGE	245435	852577	316	18.1	Medium	No Effect	Negligible	Acceptable
85	ORRIN COTTAGE	245273	852540	169	23.9	Medium	No Effect	Negligible	Acceptable

NSR	Name, if possible	Coordinate (X)	Coordinate (Y)	Distance from Outer Edge of Limit of Deviation plus 45 (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
86	FERGS COTTAGE, BRIDGEPARK	247137	851515	327	17.7	Medium	No Effect	Negligible	Acceptable
87	BRIDGEPARK COTTAGE	246831	851448	111	26.5	Medium	No Effect	Negligible	Acceptable
88	AUCHEDERSON FARMHOUSE	246878	850655	325	17.7	Medium	No Effect	Negligible	Acceptable
89	DUN FIONN	247196.88	843303.92	155	24.4	Medium	No Effect	Negligible	Acceptable