

**Fanellan Hub 400 kV Substation and
Converter Station
Environmental Impact Assessment Report
Volume 4 | Technical Appendices**

**Appendix 14.39 – Operational Noise Impact
Assessment of BD OHL – Tier 1
February 2025**



TECHNICAL APPENDIX 14: NOISE IMPACT ASSESSMENT

14.39 Operational Noise Impact Assessment of BD OHL – Tier 1

Receptors	Sensitivity	Beaully-Denny OHL Temporary Diversion				Beaully-Denny OHL Permanent Diversion			
		Distance to nearest point (m)	Modelled Noise in Wet Conditions (dB(A))	Magnitude	Significance	Distance to nearest point (m)	Modelled Noise in Wet Conditions (dB(A))	Magnitude	Significance
NSR 1 – Fanellan Croft	Medium	137	38.7	Low	Minor	206	35.5	Low	Minor
NSR 2 – Allordale	Medium	450	26.9	Negligible	Negligible	548	26.8	Negligible	Negligible
NSR 3 – Forest Lodge	Medium	134	38.7	Low	Minor	134	38.7	Low	Minor
NSR 4 – Teanassie	Medium	1125	15.1	Negligible	Negligible	1125	15.1	Negligible	Negligible
NSR 5 – 3 Fanellan	Medium	147	38.2	Low	Minor	224	34.6	Low	Minor
NSR 6 – Fanellan Farm House	Medium	365	29.7	Negligible	Negligible	500	28.1	Negligible	Negligible
NSR 7 – Lower Fanellan	Medium	323	31.0	Negligible	Negligible	391	28.8	Negligible	Negligible

Receptors	Sensitivity	Beaulieu-Denny OHL Temporary Diversion				Beaulieu-Denny OHL Permanent Diversion			
		Distance to nearest point (m)	Modelled Noise in Wet Conditions (dB(A))	Magnitude	Significance	Distance to nearest point (m)	Modelled Noise in Wet Conditions (dB(A))	Magnitude	Significance
NSR 8 – Dun Fionn	Medium	987	17.3	Negligible	Negligible	987	17.3	Negligible	Negligible