

## APPENDIX 12.5

### Cumulative Noise Prediction Results – Considering Consented Levels

The results presented in this section are based on predicted operational noise levels for each consented wind farm with the predicted operational noise levels adjusted so that the consented daytime limits are just met.

**Table 1: Predicted Consent Adjusted Noise Levels; BenSca, Edinbane, Glen Ullinish, dB LA90**

Receptor Location	Standardised 10 m height wind speed (m/s)									
	3	4	5	6	7	8	9	10	11	12
Glen Vic Askill	24	29	35	39	41	42	43	43	43	43
Allt Ruairidh (6 Balmeanach)	16	22	27	31	34	34	35	35	35	35
2 Balmeanach	12	18	23	28	30	31	31	31	31	31
Tigh Na Mara 2 - 3 Caroy	9	15	20	24	27	28	28	28	28	28
Balmeanach House	16	21	26	31	33	33	34	34	34	34
Ruadh	13	19	24	29	31	31	32	32	32	32
An Cleireach 8 Balmeanach	18	24	29	33	36	36	37	37	37	37
Spindrift	15	20	26	30	32	33	33	33	33	33
9 Balmeanach	19	24	29	34	36	37	37	37	37	37
25 Blackhill, Edinbane	16	22	27	32	34	35	37	37	37	37
Burnside 12 Upper Feorlig	9	15	20	25	27	28	29	29	29	29
11 Upper Feorlig	9	15	20	25	27	28	29	29	29	29
9 Upper Feorlig	9	15	20	25	27	28	29	29	29	29
1 Roskhill	5	11	16	21	23	24	25	25	25	25
Hornival 48 Kilmuir	3	10	15	19	22	23	24	24	24	24
Upper Glen	14	21	26	30	32	33	34	34	34	34
Fairfield	5	12	17	21	23	24	25	25	25	25
The Bungalow 4 Balmeanach	15	21	26	31	33	33	34	34	34	34
12 Upper Feorlig	9	15	20	25	27	28	29	29	29	29
Coishletter Woodland	15	21	26	31	33	34	36	36	36	36

**Table 2: Cumulative Consent Adjusted Predicted Noise Levels; Scenario 1, dB L<sub>A90</sub>**

Receptor Location	Standardised 10 m height wind speed (m/s)									
	3	4	5	6	7	8	9	10	11	12
Glen Vic Askill	24	29	35	39	41	42	43	43	43	43
Allt Ruairdih (6 Balmeanach)	17	23	28	32	34	34	35	35	35	35
2 Balmeanach	15	20	25	29	31	31	32	32	32	32
Tigh Na Mara 2 - 3 Caroy	14	19	24	27	29	29	30	30	30	30
Balmeanach House	17	22	27	31	33	34	34	34	34	34
Ruadh	15	21	26	30	31	32	32	32	32	32
An Cleireach 8 Balmeanach	19	24	30	34	36	36	37	37	37	37
Spindrift	16	21	27	31	33	33	34	34	34	34
9 Balmeanach	19	25	30	34	36	37	37	37	37	37
25 Blackhill, Edinbane	17	23	28	32	34	36	37	37	37	37
Burnside 12 Upper Feorlig	17	22	27	30	31	31	32	32	32	32
11 Upper Feorlig	17	22	27	30	30	31	31	31	31	31
9 Upper Feorlig	16	22	27	29	30	31	31	31	31	31
1 Roskhill	13	18	23	26	27	27	28	28	28	28
Hornival 48 Kilmuir	12	17	22	25	26	26	27	27	27	27
Upper Glen	17	23	28	32	33	34	35	35	35	35
Fairfield	13	18	23	26	27	27	28	28	28	28
The Bungalow 4 Balmeanach	16	22	27	31	33	34	34	34	34	34
12 Upper Feorlig	17	22	27	30	31	31	32	32	32	32
Coishletter Woodland	16	22	27	32	34	35	36	36	36	36

**Table 3: Cumulative Consent Adjusted Predicted Noise Levels; Scenario 2, dB L<sub>A90</sub>**

Receptor Location	Standardised 10 m height wind speed (m/s)									
	3	4	5	6	7	8	9	10	11	12
Glen Vic Askill	24	30	35	39	42	42	42	42	42	42
Allt Ruairidh (6 Balmeanach)	17	23	28	32	34	35	35	35	35	35
2 Balmeanach	15	20	25	29	31	32	32	32	32	32
Tigh Na Mara 2 - 3 Caroy	13	18	23	27	29	30	31	31	31	31
Balmeanach House	17	22	27	32	34	34	35	35	35	35
Ruadh	15	20	26	30	32	32	33	33	33	33
An Cleireach 8 Balmeanach	19	24	30	34	36	37	37	37	37	37
Spindrift	16	21	27	31	33	34	34	34	34	34
9 Balmeanach	19	25	30	34	36	37	37	37	37	37
25 Blackhill, Edinbane	15	21	26	31	33	35	36	36	36	36
Burnside 12 Upper Feorlig	17	22	27	31	33	34	35	35	35	35
11 Upper Feorlig	17	22	27	30	32	33	34	34	34	34
9 Upper Feorlig	16	21	27	30	32	33	34	34	34	34
1 Roskhill	12	17	22	26	27	28	29	29	29	29
Hornival 48 Kilmuir	11	16	21	25	26	27	28	28	28	28
Upper Glen	15	21	27	31	33	34	35	35	35	35
Fairfield	11	17	22	25	27	28	29	29	29	29
The Bungalow 4 Balmeanach	16	22	27	31	33	34	34	34	34	34
12 Upper Feorlig	17	22	27	31	33	34	35	35	35	35
Coishletter Woodland	15	21	26	30	33	34	35	35	35	35