

APPENDIX 12.4

Cumulative Noise Prediction Results

The results presented in this section are based on predicted operational noise levels for each consented wind farm included in the cumulative assessment

Table 1: Predicted 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	42	42	42	42	42	42
Allt Ruairidh (6 Balmeanach)	16	22	27	31	34	34	35	35	35	35
2 Balmeanach	13	18	23	28	30	31	31	31	31	31
Tigh Na Mara 2 - 3 Caroy	9	14	20	24	26	27	28	28	28	28
Balmeanach House	16	21	27	31	33	34	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	30	34	36	37	37	37	37	37
25 Blackhill, Edinbane	15	21	26	30	33	34	35	35	35	35
Burnside 12 Upper Feorlig	8	14	20	24	26	27	28	28	28	28
11 Upper Feorlig	8	14	20	24	26	27	28	28	28	28
9 Upper Feorlig	9	15	20	24	27	27	28	28	28	28
1 Roskhill	4	10	16	20	22	23	24	24	24	24
Hornival 48 Kilmuir	2	9	14	18	21	22	23	23	23	23
Upper Glen	12	19	24	29	31	32	33	33	33	33
Fairfield	4	10	16	20	22	23	24	24	24	24
The Bungalow 4 Balmeanach	15	21	26	31	33	33	34	34	34	34
12 Upper Feorlig	8	14	19	24	26	27	28	28	28	28
Coishletter Woodland	14	20	25	30	32	33	34	34	34	34

Table 2: Cumulative Predicted Noise Levels; Scenario 1, dB L_{A90}

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	34	35	35	35	35
2 Balmeanach	15	20	25	29	31	31	32	32	32	32
Tigh Na Mara 2 - 3 Caroy	13	19	24	27	28	29	29	29	29	29
Balmeanach House	17	22	27	31	33	34	34	34	34	34
Ruadh	15	21	26	30	32	32	32	32	32	32
An Cleireach 8 Balmeanach	19	24	30	34	36	36	37	37	37	37
Spindrift	16	22	27	31	33	33	33	34	34	34
9 Balmeanach	19	25	30	34	36	37	37	37	37	37
25 Blackhill, Edinbane	16	22	27	31	33	35	36	36	36	36
Burnside 12 Upper Feorlig	17	22	27	30	31	31	31	31	31	31
11 Upper Feorlig	17	22	27	29	30	31	31	31	31	31
9 Upper Feorlig	16	21	26	29	30	30	31	31	31	31
1 Roskhill	13	18	23	26	26	27	27	27	27	27
Hornival 48 Kilmuir	12	17	22	25	25	26	26	26	26	26
Upper Glen	16	22	27	31	32	33	33	34	34	34
Fairfield	12	18	22	25	26	27	27	27	27	27
The Bungalow 4 Balmeanach	17	22	27	31	33	34	34	34	34	34
12 Upper Feorlig	17	22	27	30	30	31	31	31	31	31
Coishletter Woodland	16	21	27	31	32	34	35	35	35	35

Table 3: Cumulative Predicted Noise Levels; Scenario 2, dB L_{A90}

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