

**Byers Gill Solar
EN010139**

6.4.11.4 Environmental Statement Appendix 11.4 BS4142 Assessment Calculations

Planning Act 2008

APFP Regulation 5(2)(q)

Infrastructure Planning (Applications: Prescribed Forms
and Procedure) Regulations 2009

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ES Appendix 11.4 BS4142 Assessment Calculations

BS4142 Assessment of the Noise from the Proposed Development as received at Existing Sensitive Receptors (ESRs) during the Daytime					
Receptor Location	Specific Level Laeq,1h	Character Penalty	Rating Level	Background Sound Level LA90,t	Difference
ESR 1	26	0	26	37	-11
ESR 2	32	0	32	37	-5
ESR 3	26	0	26	37	-11
ESR 4	38	0	38	42	-4
ESR 5	27	0	27	42	-15
ESR 6	28	0	28	42	-14
ESR 7	24	0	24	42	-18
ESR 8	29	0	29	42	-13
ESR 9	24	0	24	37	-13
ESR 10	21	0	21	38	-17
ESR 11	24	0	24	38	-14
ESR 12	21	0	21	38	-17
ESR 13	24	0	24	42	-18
ESR 14	25	0	25	39	-14
ESR 15	28	0	28	39	-11
ESR 16	32	0	32	53	-21
ESR 17	30	0	30	50	-20
ESR 18	28	0	28	50	-22
ESR 19	30	0	30	50	-20
ESR 20	30	0	30	50	-20
ESR 21	28	0	28	50	-22
ESR 22	28	0	28	50	-22
ESR 23	27	0	27	39	-12
ESR 24	27	0	27	39	-12
ESR 25	27	0	27	50	-23
ESR 26	26	0	26	39	-13
ESR 27	25	0	25	39	-14
ESR 28	30	0	30	40	-10
ESR 29	20	0	20	40	-20
ESR 30	30	0	30	40	-10
ESR 31	27	0	27	40	-13
ESR 32	29	0	29	44	-15
ESR 33	25	0	25	44	-19
ESR 34	25	0	25	44	-19
ESR 35	29	0	29	44	-15

ES Appendix 11.4 BS4142 Assessment Calculations

BS4142 Assessment of the Noise from the Proposed Development as received at Existing Sensitive Receptors (ESRs) during the Night-time					
Receptor Location	Specific Level Laeq,1h	Character Penalty	Rating Level	Background Sound Level LA90,t	Difference
ESR 1	26	0	26	33	-7
ESR 2	32	0	32	33	-1
ESR 3	26	0	26	33	-7
ESR 4	38	0	38	34	4
ESR 5	27	0	27	34	-7
ESR 6	28	0	28	34	-6
ESR 7	24	0	24	34	-10
ESR 8	29	0	29	34	-5
ESR 9	24	0	24	33	-9
ESR 10	21	0	21	25	-4
ESR 11	24	0	24	25	-1
ESR 12	21	0	21	25	-4
ESR 13	24	0	24	33	-9
ESR 14	25	0	25	26	-1
ESR 15	28	0	28	26	2
ESR 16	32	0	32	26	6
ESR 17	30	0	30	31	-1
ESR 18	28	0	28	31	-3
ESR 19	30	0	30	31	-1
ESR 20	30	0	30	31	-1
ESR 21	28	0	28	31	-3
ESR 22	28	0	28	31	-3
ESR 23	27	0	27	26	1
ESR 24	27	0	27	26	1
ESR 25	27	0	27	31	-4
ESR 26	26	0	26	26	0
ESR 27	25	0	25	26	-1
ESR 28	30	0	30	31	-1
ESR 29	20	0	20	31	-11
ESR 30	30	0	30	31	-1
ESR 31	27	0	27	31	-4
ESR 32	29	0	29	34	-5
ESR 33	25	0	25	34	-9
ESR 34	25	0	25	34	-9
ESR 35	29	0	29	34	-5