



# Technical Appendix 9.2: Third Octave Predicted Noise Levels

## Cossans Solar & BESS EIA Report

### TRIO POWER Limited

Prepared by:

**SLR Consulting Limited**

The Tun, 4 Jackson's Entry, Edinburgh, EH8 8PJ

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## Revision Record

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## 1.0 Third Octave Predicted Noise Levels

NSR1 Third Octave Tonality Test																										
15dB								8dB					5dB													
25 to 125								160 to 400					500 to 10,000													
25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz
36.4	34	30.8	31.8	29.6	29.7	26.9	26	20	15.4	12.8	10.3	13.7	13.7	13.1	17	15.2	12.7	11.1	7	3	-4.7	-14.8	27.9	50.6	-79	80.2
	-2.4	-3.2	1	-2.2	0.1	-2.8	0.9	-6	-4.6	-2.6	-2.5	3.4	0	0.6	3.9	-1.8	-2.5	-1.6	-4.1	-4	-7.7	-10.1	-13.1	22.7	-28.4	-1.2
2.4	3.2	-1	2.2	-0.1	2.8	0.9	6	4.6	2.6	2.5	-3.4	0	0.6	-3.9	1.8	2.5	1.6	4.1	4	7.7	10.1	13.1	22.7	28.4	1.2	
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz

NSR2 Third Octave Tonality Test																										
15dB								8dB					5dB													
25 to 125								160 to 400					500 to 10,000													
25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz
36.1	33.7	30.6	31.3	29.2	29.3	25.8	25.2	19.4	14.7	12.3	9.9	13.8	13.6	13	16.7	14.8	12.3	10.7	6.6	2.6	-5.5	-16.1	-30.4	-55.3	-80	80.2
	-2.4	-3.1	0.7	-2.1	0.1	-3.5	0.6	-5.8	-4.7	-2.4	-2.4	3.9	0.2	0.6	3.7	-1.9	-2.5	-1.6	-4.1	-4	-8.1	-10.6	-14.3	-24.9	-24.7	-0.2
2.4	3.1	-0.7	2.1	-0.1	3.5	0.6	5.8	4.7	2.4	2.4	-3.9	0.2	0.6	-3.7	1.9	2.5	1.6	4.1	4	8.1	10.6	14.3	24.9	24.7	0.2	
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz

NSR3 Third Octave Tonality Test																										
15dB								8dB					5dB													
25 to 125								160 to 400					500 to 10,000													
25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz
29.8	27.3	24.1	25.1	22.8	22.9	20.2	19.2	13.2	11.9	8.9	6.1	7.7	7.4	6.4	7.9	5.3	1.7	-1.6	8.4	16.7	31.2	51.9	77.7	80.2	80.2	80.2
	-2.5	-3.2	1	-2.3	0.1	-2.7	-1	-6	-1.3	-3	-2.8	1.6	0.3	-1	1.5	2.6	3.6	-3.3	6.8	8.3	-14.5	-20.7	-25.8	-2.5	0	0
2.5	3.2	-1	2.3	-0.1	2.7	1	6	1.3	3	2.8	-1.6	0.3	1	-1.5	2.6	3.6	3.3	6.8	8.3	14.5	20.7	25.8	2.5	0	0	
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz





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