

**MWP**

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# **Appendix 11E – Predicted Noise Levels**

## **Ballynisky Wind Farm**

**Ballynisky Green Energy Ltd.**

December 2025

Table 1: Predicted Noise Levels

NSL	Predicted Cumulative Noise Levels (dB) at Standardised Wind Speeds							
	3m/s	4m/s	5m/s	6m/s	7m/s	8m/s	9m/s	10m/s
NSL 01	21.0	24.9	30.8	34.0	34.4	34.4	34.4	21.9
NSL 02	21.7	25.0	31.1	34.2	34.8	34.9	34.9	21.7
NSL 03	22.2	25.3	31.4	34.6	35.3	35.3	35.3	21.6
NSL 04	22.3	25.4	31.5	34.7	35.4	35.4	35.4	21.6
NSL 05	22.5	25.4	31.6	34.8	35.6	35.6	35.6	21.5
NSL 06	22.7	25.6	31.8	35.0	35.7	35.8	35.8	21.5
NSL 07	23.0	25.8	32.0	35.2	36.0	36.0	36.1	21.6
NSL 08	23.0	25.7	31.9	35.2	35.9	36.0	36.0	21.4
NSL 09	23.4	25.9	32.2	35.5	36.3	36.3	36.3	21.3
NSL 10	26.3	28.5	34.9	38.2	39.2	39.2	39.2	21.8
NSL 11	25.2	27.3	33.8	37.0	38.0	38.0	38.1	20.7
NSL 12	25.4	27.4	33.9	37.2	38.2	38.2	38.3	20.5
NSL 13	26.8	28.7	35.3	38.6	39.6	39.6	39.6	20.3
NSL 14	21.4	23.6	30.0	33.3	34.2	34.2	34.2	19.3
NSL 15	21.2	23.4	29.8	33.1	34.1	34.1	34.1	19.1
NSL 16	28.4	30.2	36.8	40.1	41.2	41.2	41.2	19.2
NSL 17	22.5	24.4	30.9	34.2	35.3	35.3	35.3	17.9
NSL 18	23.5	25.3	31.9	35.2	36.3	36.3	36.3	17.9
NSL 19	23.0	24.9	31.5	34.8	35.8	35.8	35.8	17.8
NSL 20	23.6	25.4	32.0	35.3	36.3	36.4	36.4	17.8
NSL 21	23.2	25.1	31.6	34.9	36.0	36.0	36.0	17.7
NSL 22	24.2	26.0	32.6	35.9	37.0	37.0	37.0	17.9
NSL 23	23.1	25.0	31.6	34.9	35.9	35.9	35.9	17.6
NSL 24	23.0	24.8	31.4	34.7	35.8	35.8	35.8	17.5
NSL 25	23.1	24.9	31.5	34.8	35.9	35.9	35.9	17.5
NSL 26	22.8	24.7	31.3	34.6	35.6	35.6	35.7	17.5
NSL 27	22.8	24.6	31.2	34.5	35.6	35.6	35.6	17.4
NSL 28	26.2	28.0	34.6	37.9	39.0	39.0	39.0	18.1
NSL 29	26.5	28.3	34.9	38.2	39.3	39.3	39.3	18.1
NSL 30	21.2	23.1	29.7	33.0	34.0	34.0	34.0	17.0
NSL 31	21.1	23.0	29.5	32.8	33.8	33.9	33.9	17.0
NSL 32	20.6	22.5	29.0	32.3	33.4	33.4	33.4	16.9
NSL 33	21.2	23.0	29.6	32.9	33.9	34.0	34.0	17.0
NSL 34	22.8	24.6	31.2	34.5	35.6	35.6	35.6	17.4
NSL 35	23.3	25.1	31.7	35.0	36.0	36.1	36.1	17.5
NSL 36	22.2	24.0	30.6	33.9	34.9	34.9	34.9	17.3
NSL 37	23.0	24.9	31.4	34.8	35.8	35.8	35.8	17.5

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NSL	Predicted Cumulative Noise Levels (dB) at Standardised Wind Speeds							
	3m/s	4m/s	5m/s	6m/s	7m/s	8m/s	9m/s	10m/s
NSL 38	24.2	26.0	32.6	35.9	37.0	37.0	37.0	17.8
NSL 39	24.5	26.3	32.9	36.2	37.2	37.3	37.3	17.9
NSL 40	25.2	27.0	33.6	36.9	38.0	38.0	38.0	18.0
NSL 41	25.4	27.2	33.8	37.1	38.2	38.2	38.2	18.1
NSL 42	24.7	26.5	33.1	36.4	37.5	37.5	37.5	18.0
NSL 43	24.9	26.7	33.3	36.6	37.7	37.7	37.7	18.0
NSL 44	25.1	26.9	33.5	36.8	37.8	37.9	37.9	18.1
NSL 45	25.2	27.0	33.6	36.9	38.0	38.0	38.0	18.1
NSL 46	25.8	27.6	34.2	37.5	38.6	38.6	38.6	18.2
NSL 47	25.8	27.6	34.2	37.5	38.6	38.6	38.6	18.3
NSL 48	26.5	28.2	34.9	38.2	39.3	39.3	39.3	18.4
NSL 49	25.8	27.6	34.2	37.5	38.6	38.6	38.6	18.3
NSL 50	25.8	27.6	34.2	37.5	38.6	38.6	38.6	18.4
NSL 51	27.3	29.0	35.7	39.0	40.1	40.1	40.1	18.6
NSL 52	25.9	27.6	34.2	37.6	38.6	38.6	38.6	18.4
NSL 53	25.9	27.6	34.3	37.6	38.7	38.7	38.7	18.4
NSL 54	26.8	28.5	35.2	38.5	39.6	39.6	39.6	18.6
NSL 55	26.5	28.2	34.8	38.2	39.2	39.2	39.3	18.6
NSL 56	25.8	27.6	34.2	37.5	38.6	38.6	38.6	18.6
NSL 57	27.0	28.7	35.3	38.7	39.7	39.8	39.8	18.8
NSL 58	27.2	29.0	35.6	38.9	40.0	40.0	40.0	18.8
NSL 59	26.9	28.7	35.3	38.6	39.7	39.7	39.7	18.8
NSL 60	26.7	28.5	35.1	38.4	39.5	39.5	39.5	19.0
NSL 61	26.4	28.2	34.8	38.1	39.2	39.2	39.2	19.0
NSL 62	26.0	27.8	34.4	37.7	38.8	38.8	38.8	18.9
NSL 63	24.8	26.6	33.2	36.5	37.5	37.6	37.6	19.1
NSL 64	24.4	26.2	32.8	36.1	37.2	37.2	37.2	19.1
NSL 65	23.7	25.5	32.1	35.4	36.4	36.5	36.5	19.0
NSL 66	23.9	25.7	32.3	35.6	36.7	36.7	36.7	19.1
NSL 67	24.1	26.0	32.5	35.8	36.9	36.9	36.9	19.2
NSL 68	24.9	26.7	33.3	36.6	37.7	37.7	37.7	19.5
NSL 69	23.8	25.7	32.2	35.5	36.6	36.6	36.6	19.3
NSL 70	24.3	26.1	32.7	36.0	37.1	37.1	37.1	19.6
NSL 71	24.3	26.1	32.7	36.0	37.0	37.1	37.1	19.6
NSL 72	21.4	23.2	29.8	33.1	34.1	34.1	34.2	18.3
NSL 73	21.8	23.6	30.1	33.5	34.5	34.5	34.5	18.5
NSL 74	26.1	27.9	34.5	37.8	38.9	38.9	38.9	21.3
NSL 75	21.9	23.9	30.2	33.6	34.6	34.6	34.6	21.6

NSL	Predicted Cumulative Noise Levels (dB) at Standardised Wind Speeds							
	3m/s	4m/s	5m/s	6m/s	7m/s	8m/s	9m/s	10m/s
NSL 76	21.8	23.8	30.1	33.4	34.4	34.5	34.5	22.4
NSL 77	21.9	23.9	30.2	33.6	34.6	34.6	34.6	22.5
NSL 78	21.8	23.9	30.1	33.5	34.4	34.5	34.5	23.0
NSL 79	21.9	24.0	30.2	33.5	34.5	34.6	34.6	23.2
NSL 80	21.4	23.6	29.7	33.0	34.0	34.1	34.1	23.4
NSL 81	21.8	23.9	30.1	33.4	34.4	34.5	34.5	23.4
NSL 82	21.7	23.8	30.0	33.3	34.3	34.3	34.4	23.5
NSL 83	21.7	23.8	30.0	33.3	34.3	34.4	34.4	23.6
NSL 84	23.4	25.4	31.8	35.1	36.1	36.1	36.1	23.2
NSL 85	21.5	24.1	30.0	33.2	34.1	34.2	34.2	25.3
NSL 86	22.1	24.6	30.5	33.8	34.7	34.8	34.8	25.0
NSL 87	21.4	24.1	29.9	33.2	34.0	34.1	34.1	25.4
NSL 88	21.8	24.6	30.5	33.7	34.5	34.6	34.6	25.4
NSL 89	21.8	24.6	30.5	33.8	34.5	34.6	34.6	25.4
NSL 90	22.0	24.8	30.7	34.0	34.7	34.8	34.9	25.2
NSL 91	22.0	24.9	30.8	34.0	34.7	34.8	34.8	25.3
NSL 92	22.0	25.2	31.0	34.2	34.9	35.0	35.0	25.2
NSL 93	27.5	29.5	36.0	39.3	40.3	40.4	40.4	23.1
NSL 1001	17.3	30.1	35.3	37.9	36.4	36.4	36.4	23.6
NSL 1002	18.0	28.1	33.3	36.0	34.8	34.9	34.9	23.2
NSL 1003	18.2	27.7	33.0	35.7	34.6	34.7	34.7	23.2
NSL 1004	18.9	26.5	31.8	34.7	34.0	34.1	34.1	22.9
NSL 1005	18.3	28.7	33.9	36.7	35.4	35.5	35.5	23.5
NSL 1006	19.2	26.0	31.4	34.3	33.9	33.9	34.0	22.7
NSL 1007	19.4	25.9	31.3	34.2	33.9	33.9	34.0	22.7
NSL 1008	19.6	25.7	31.2	34.2	33.9	33.9	34.0	22.6
NSL 1009	20.1	24.1	29.9	33.1	33.5	33.5	33.5	21.5
NSL 1010	20.9	25.2	31.0	34.1	34.4	34.4	34.5	22.2
NSL 1011	20.5	25.6	31.3	34.3	34.3	34.3	34.4	22.6
NSL 1012	20.9	25.7	31.4	34.5	34.6	34.7	34.7	22.7
NSL 1013	20.8	26.2	31.8	34.8	34.7	34.8	34.8	23.2
NSL 1014	21.6	26.3	32.1	35.1	35.3	35.3	35.3	23.6
NSL 1015	21.2	26.6	32.2	35.2	35.1	35.2	35.2	24.2
NSL 1016	18.8	33.1	38.2	40.8	39.1	39.2	39.2	27.3
NSL 1017	21.7	26.4	32.1	35.1	35.3	35.3	35.4	24.0
NSL 1018	19.9	21.8	28.3	31.6	32.6	32.6	32.6	16.7
NSL 1019	19.4	29.4	34.3	37.0	35.6	35.8	35.9	29.0
NSL 1020	19.6	21.5	28.0	31.3	32.4	32.4	32.4	16.6

NSL	Predicted Cumulative Noise Levels (dB) at Standardised Wind Speeds							
	3m/s	4m/s	5m/s	6m/s	7m/s	8m/s	9m/s	10m/s
NSL 1021	19.3	21.2	27.7	31.0	32.1	32.1	32.1	16.5
NSL 1022	19.8	21.7	28.3	31.6	32.6	32.6	32.6	16.7
NSL 1023	21.8	26.2	31.9	35.0	35.2	35.3	35.3	24.4
NSL 1024	21.8	25.7	31.5	34.6	35.0	35.1	35.1	24.9
NSL 1025	20.6	22.5	29.0	32.3	33.4	33.4	33.4	16.9
NSL 1026	21.7	25.5	31.2	34.4	34.8	34.9	34.9	25.1
NSL 1027	28.1	30.1	36.6	39.9	40.9	41.0	41.0	22.8
NSL 1028	20.9	25.2	30.8	33.9	34.1	34.2	34.3	25.8
NSL 1029	20.4	24.7	30.0	33.1	33.3	33.5	33.5	26.6
NSL 1030	21.1	25.2	29.3	32.5	32.6	33.1	33.2	31.1
NSL 1031	21.5	25.0	28.9	32.1	32.5	33.1	33.2	31.5
NSL 1032	20.9	24.3	28.4	31.6	32.0	32.6	32.7	30.7
NSL 1033	21.0	24.4	28.4	31.7	32.1	32.7	32.8	30.9
NSL 1034	20.6	24.0	28.2	31.4	31.8	32.4	32.5	30.3
NSL 1035	21.3	23.8	29.7	33.0	33.8	33.9	34.0	25.3
NSL 1036	20.4	23.6	27.8	31.1	31.6	32.1	32.2	30.0
NSL 1037	21.0	23.6	29.4	32.7	33.5	33.7	33.7	25.4
NSL 1038	21.3	23.8	29.7	33.0	33.8	33.9	34.0	25.2
NSL 1039	20.3	23.5	27.7	31.0	31.5	32.0	32.2	29.8
NSL 1040	20.2	23.4	27.7	30.9	31.5	32.0	32.1	29.6
NSL 1041	20.3	23.4	27.7	30.9	31.5	32.0	32.1	29.7
NSL 1042	21.0	23.5	29.4	32.7	33.5	33.6	33.7	25.3
NSL 1043	20.8	23.3	29.1	32.4	33.2	33.4	33.4	25.4
NSL 1044	19.8	22.9	27.4	30.7	31.3	31.7	31.8	28.8
NSL 1045	20.0	23.2	27.5	30.7	31.3	31.8	31.9	29.4
NSL 1046	19.7	22.8	27.4	30.7	31.3	31.7	31.8	28.5
NSL 1047	20.6	23.1	28.9	32.2	33.0	33.1	33.2	25.4
NSL 1048	20.5	23.0	28.7	32.0	32.9	33.0	33.0	25.4
NSL 1049	20.6	23.1	28.9	32.2	33.1	33.2	33.2	25.1
NSL 1050	19.8	22.8	27.1	30.4	31.1	31.5	31.7	28.9
NSL 1051	20.5	23.0	28.7	32.0	32.9	33.0	33.0	25.3
NSL 1052	20.5	23.0	28.8	32.1	32.9	33.1	33.1	25.1
NSL 1053	19.5	22.4	26.8	30.1	30.8	31.2	31.3	28.6
NSL 1054	19.4	22.3	26.7	30.0	30.7	31.2	31.3	28.3
NSL 1055	19.3	22.0	27.3	30.6	31.4	31.6	31.7	26.1
NSL 1056	19.2	22.1	26.6	29.9	30.6	31.0	31.1	28.2
NSL 1057	18.7	21.4	26.2	29.5	30.3	30.6	30.7	26.9
NSL 1058	21.0	23.0	29.3	32.7	33.7	33.7	33.7	21.9

NSL	Predicted Cumulative Noise Levels (dB) at Standardised Wind Speeds							
	3m/s	4m/s	5m/s	6m/s	7m/s	8m/s	9m/s	10m/s
NSL 1059	21.0	23.0	29.3	32.7	33.7	33.7	33.7	21.5
NSL 1060	20.8	22.8	29.1	32.4	33.4	33.4	33.5	21.8

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