



APPENDIX 12-6

***PREDICTED NOISE LEVELS NO
BARNSMORE REPOWERING***

APPENDIX 12-6 PREDICTED NOISE LEVELS FOR SCENARIO WITH EXISTING BARNESMORE WIND FARM

The predicted noise levels in the table below take account of the scenario where the Barnesmore Repowering does not occur and the existing turbines remain operational. Review of the noise predictions confirm that they are of a similar magnitude to the scenario assessed with the Barnesmore Repowering in operation. In both scenarios all noise predictions are within the criteria.

Ref	Parameter	Predicted Noise Level dB LA90 at 9 m/s Standardised Wind Speed at 10m
H001	Predicted	40.9
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H002	Predicted	37.0
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H003	Predicted	36.7
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H004	Predicted	36.6
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H005	Predicted	35.8
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H006	Predicted	35.8
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H007	Predicted	35.9
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H008	Predicted	32.8

Ref	Parameter	Predicted Noise Level dB L _{A90} at 9 m/s Standardised Wind Speed at 10m
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H009	Predicted	31.3
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H010	Predicted	31.4
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H011	Predicted	29.9
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H012	Predicted	31.3
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H013	Predicted	31.5
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H014	Predicted	30.9
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H015	Predicted	30.8
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H016	Predicted	29.9
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--

Ref	Parameter	Predicted Noise Level dB L _{A90} at 9 m/s Standardised Wind Speed at 10m
H017	Predicted	30.8
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H018	Predicted	30.8
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H019	Predicted	30.6
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--
H020	Predicted	30.4
	Daytime Criterion	45
	Daytime Excess	--
	Night-time Criterion	44.3
	Night-time Excess	--