



**FEHILY  
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## **APPENDIX 9.6**

Predicted Noise Levels from  
Proposed Wind Farm at  
Nearby Noise Sensitive  
Locations

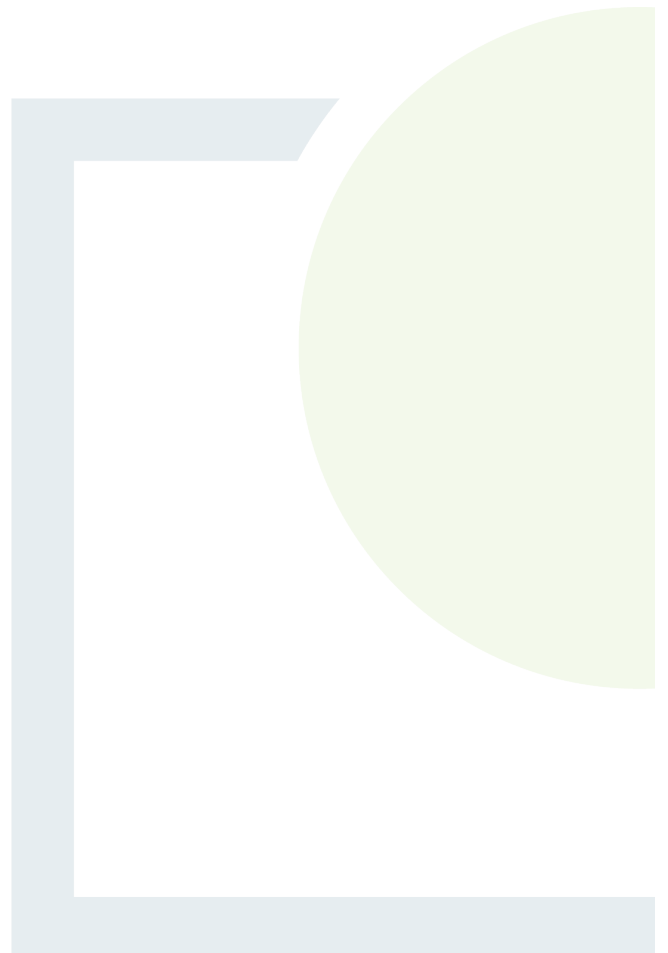




Table 9.6.1 presents the predicted noise levels ( $L_{A90}$ ) from wind turbines for the Proposed Wind Farm at NSLs for Standardised 10m height wind speeds of 3 m/s to 9 m/s. The numbering is not sequential as only the NSLs within the 35 dB  $L_{A90}$  noise contour are presented. Commercial receptors, derelict and uninhabited dwellings were not considered.

**Table 9.6.1: Predicted noise levels ( $L_{A90}$ ) from the Proposed Wind Farm at Noise Sensitive Locations for Standardised 10m Wind Speeds of 3 m/s to 9 m/s**

Receptor ID	Description	Predicted Noise Level (dB $L_{A90}$ ) at Standardised 10m Height Wind Speeds (m/s)						
		3	4	5	6	7	8	9
1	Residential	28.2	29.1	33.2	36.8	37.5	37.5	37.5
2	Residential	19.7	20.1	24.2	27.9	28.4	28.4	28.4
3	Residential	19.3	19.6	23.6	27.3	27.8	27.8	27.8
4	Residential	20.2	20.6	24.6	28.4	28.9	28.9	28.9
5	Residential	21.0	21.4	25.5	29.2	29.7	29.7	29.7
6	Residential	20.9	21.3	25.4	29.1	29.6	29.6	29.6
7	Residential (new house)	20.0	20.3	24.3	28.1	28.6	28.6	28.6
8	Residential	17.2	17.4	21.5	25.2	25.7	25.7	25.7
9	Residential	18.2	18.4	22.5	26.2	26.7	26.7	26.7
10	Residential (house currently being built)	17.2	17.4	21.5	25.2	25.7	25.7	25.7
11	Residential	17.3	17.5	21.6	25.3	25.7	25.7	25.7
12	Residential	18.3	18.5	22.6	26.3	26.8	26.8	26.8
13	Residential	19.8	20.1	24.1	27.8	28.3	28.3	28.3
14	Residential	20.2	20.5	24.5	28.2	28.7	28.7	28.7
15	Residential	21.8	22.2	26.3	30.0	30.5	30.5	30.5
16	Residential	26.5	27.3	31.5	35.1	35.7	35.7	35.7
17	Residential	26.2	26.9	31.0	34.7	35.2	35.2	35.2
18	Residential	27.9	28.7	32.9	36.5	37.1	37.1	37.1
19	Derelict	27.9	28.7	32.9	36.5	37.1	37.1	37.1
20	Residential	26.4	27.1	31.2	34.9	35.4	35.4	35.4
21	Residential	27.6	28.4	32.5	36.2	36.7	36.7	36.7
22	Residential	23.8	24.3	28.3	32.0	32.6	32.6	32.6
23	Residential	24.0	24.5	28.5	32.2	32.8	32.8	32.8
24	Residential	21.6	22.0	26.1	29.8	30.3	30.3	30.3
25	Residential	21.4	21.8	25.8	29.5	30.0	30.0	30.0
26	Residential	19.7	20.0	24.1	27.8	28.3	28.3	28.3

Receptor ID	Description	Predicted Noise Level (dB L <sub>A90</sub> ) at Standardised 10m Height Wind Speeds (m/s)						
		3	4	5	6	7	8	9
27	Residential	20.9	21.3	25.3	29.0	29.6	29.6	29.6
28	Residential	21.6	22.0	26.1	29.8	30.3	30.3	30.3
29	Residential	25.9	26.5	30.6	34.3	34.8	34.8	34.8
30	Residential	24.8	25.4	29.4	33.1	33.6	33.6	33.6
31	Residential	28.2	28.9	33.0	36.7	37.2	37.2	37.2
32	Residential	28.6	29.4	33.5	37.1	37.7	37.7	37.7
33	Derelict	32.1	33.2	37.4	41.0	41.6	41.6	41.6
34	Residential	32.4	33.6	37.8	41.4	42.0	42.0	42.0
35	Derelict	31.3	32.4	36.6	40.2	40.9	40.9	40.9
36	Residential	35.7	37.0	41.2	44.8	45.5	45.5	45.5
37	Derelict	34.4	35.5	39.8	43.4	44.0	44.0	44.0
38	Derelict	32.3	33.4	37.6	41.2	41.8	41.8	41.8
39	Residential	28.5	29.3	33.3	37.0	37.6	37.6	37.6
40	Residential	22.8	23.3	27.3	31.0	31.5	31.5	31.5
41	Residential	27.3	28.0	32.1	35.7	36.3	36.3	36.3
42	Derelict	34.2	35.5	39.8	43.3	44.0	44.0	44.0
43	Residential	24.0	24.6	28.7	32.3	32.9	32.9	32.9
44	Residential	21.4	21.8	25.8	29.5	30.0	30.0	30.0
45	Residential	21.5	21.9	26.0	29.7	30.2	30.2	30.2
46	Residential	20.1	20.4	24.5	28.2	28.7	28.7	28.7
47	Residential	26.3	27.0	31.1	34.7	35.3	35.3	35.3
48	Residential	30.9	31.9	36.1	39.7	40.3	40.3	40.3
49	Residential	26.9	27.6	31.7	35.3	35.9	35.9	35.9
51	Residential	26.9	27.6	31.7	35.4	35.9	35.9	35.9
52	Residential	19.3	19.6	23.6	27.3	27.8	27.8	27.8
55	Residential	29.9	30.8	34.9	38.5	39.1	39.1	39.1
56	Residential	22.9	23.4	27.5	31.2	31.7	31.7	31.7
59	Residential	23.9	24.6	28.7	32.4	32.9	32.9	32.9
60	Residential	23.5	24.2	28.2	31.9	32.4	32.4	32.4
61	Residential	24.8	25.3	29.4	33.1	33.6	33.6	33.6
63	Residential	25.4	26.2	30.3	34.0	34.5	34.5	34.5
64	Residential	25.0	25.7	29.8	33.5	34.0	34.0	34.0
65	Residential	24.7	25.4	29.5	33.2	33.7	33.7	33.7

Receptor ID	Description	Predicted Noise Level (dB L <sub>A90</sub> ) at Standardised 10m Height Wind Speeds (m/s)						
		3	4	5	6	7	8	9
66	Residential	24.3	24.8	28.9	32.6	33.2	33.2	33.2
67	Residential	24.5	25.0	29.1	32.8	33.3	33.3	33.3
68	Residential	22.2	22.7	26.8	30.5	31.0	31.0	31.0
70	Residential	20.5	20.8	24.9	28.6	29.1	29.1	29.1
71	Residential	25.4	26.0	30.0	33.7	34.3	34.3	34.3
72	Residential	21.5	21.9	26.0	29.7	30.2	30.2	30.2
73	Derelict	22.1	22.5	26.6	30.3	30.8	30.8	30.8
74	Residential	21.9	22.4	26.4	30.1	30.7	30.7	30.7
75	Residential	20.6	21.0	25.1	28.8	29.3	29.3	29.3
76	Residential	20.3	20.7	24.8	28.5	29.0	29.0	29.0
77	Residential	22.0	22.5	26.6	30.2	30.8	30.8	30.8
78	Residential	20.4	20.8	24.8	28.6	29.1	29.1	29.1
79	Derelict	22.0	22.5	26.5	30.2	30.7	30.7	30.7
80	Residential	19.2	19.5	23.6	27.3	27.8	27.8	27.8
81	Residential	20.7	21.1	25.1	28.8	29.3	29.3	29.3
82	Residential	20.1	20.4	24.4	28.1	28.6	28.6	28.6
83	Residential	19.1	19.4	23.4	27.1	27.6	27.6	27.6
84	Residential	20.7	21.1	25.1	28.8	29.3	29.3	29.3
86	Residential	19.8	20.2	24.2	27.9	28.4	28.4	28.4
87	Residential	19.7	20.1	24.1	27.8	28.3	28.3	28.3
88	Residential	16.8	17.0	21.1	24.8	25.3	25.3	25.3
89	Residential	18.0	18.2	22.3	26.0	26.5	26.5	26.5
90	Residential	16.1	16.3	20.4	24.1	24.6	24.6	24.6
91	Residential	17.7	18.0	22.0	25.8	26.2	26.2	26.2
92	Residential	19.0	19.3	23.4	27.1	27.6	27.6	27.6
93	Residential	19.8	20.2	24.3	28.0	28.5	28.5	28.5
94	Residential	19.7	20.1	24.1	27.9	28.4	28.4	28.4
95	Residential	19.5	19.8	23.9	27.6	28.1	28.1	28.1
96	Residential	16.7	16.9	21.0	24.7	25.2	25.2	25.2
97	Residential	18.9	19.2	23.2	27.0	27.4	27.4	27.4
98	Residential	17.2	17.4	21.5	25.2	25.7	25.7	25.7
99	Residential	18.5	18.8	22.9	26.6	27.1	27.1	27.1
100	Residential	18.1	18.4	22.4	26.1	26.6	26.6	26.6

Receptor ID	Description	Predicted Noise Level (dB L <sub>A90</sub> ) at Standardised 10m Height Wind Speeds (m/s)						
		3	4	5	6	7	8	9
101	Residential	16.8	17.0	21.0	24.7	25.2	25.2	25.2
102	Residential	20.3	20.6	24.7	28.4	28.9	28.9	28.9
103	Residential	19.2	19.5	23.6	27.3	27.8	27.8	27.8
104	Residential	19.7	20.0	24.0	27.8	28.2	28.2	28.2
105	Residential	16.8	17.1	21.1	24.9	25.3	25.3	25.3
106	Residential	19.3	19.7	23.8	27.5	28.0	28.0	28.0
107	Residential	16.3	16.5	20.6	24.3	24.8	24.8	24.8
108	Residential	17.0	17.2	21.3	25.0	25.5	25.5	25.5
109	Residential	17.3	17.6	21.6	25.3	25.8	25.8	25.8
110	Residential	18.2	18.5	22.6	26.3	26.8	26.8	26.8
111	Residential	16.8	17.0	21.1	24.8	25.3	25.3	25.3
112	Residential	21.5	21.9	26.0	29.7	30.2	30.2	30.2
113	Residential	17.5	17.7	21.8	25.5	26.0	26.0	26.0
114	Residential	17.0	17.2	21.3	25.0	25.5	25.5	25.5
115	Residential	17.7	18.0	22.0	25.7	26.2	26.2	26.2
116	Residential	18.5	18.7	22.8	26.5	27.0	27.0	27.0
117	Farm buildings (commercial only)	17.5	17.7	21.8	25.5	26.0	26.0	26.0
118	Residential	19.7	20.2	24.2	27.9	28.4	28.4	28.4
119	Residential	16.7	16.9	21.0	24.7	25.2	25.2	25.2
120	Residential	16.9	17.1	21.2	24.9	25.4	25.4	25.4
121	Residential	15.7	15.9	20.0	23.7	24.2	24.2	24.2
122	Residential	18.6	18.9	22.9	26.7	27.1	27.1	27.1
123	Residential	18.2	18.5	22.6	26.3	26.8	26.8	26.8
124	Residential	20.7	21.1	25.2	28.9	29.4	29.4	29.4
125	Residential	20.0	20.3	24.4	28.1	28.6	28.6	28.6
126	Residential	19.0	19.3	23.3	27.0	27.5	27.5	27.5
127	Residential	19.4	19.7	23.8	27.5	28.0	28.0	28.0
128	Residential	17.6	17.9	21.9	25.6	26.1	26.1	26.1
129	Residential	17.2	17.6	21.6	25.3	25.8	25.8	25.8
130	Farm buildings (commercial only)	18.3	18.6	22.7	26.4	26.9	26.9	26.9
131	Residential	17.0	17.2	21.2	25.0	25.4	25.4	25.4
132	Residential	18.8	19.1	23.2	26.9	27.4	27.4	27.4

Receptor ID	Description	Predicted Noise Level (dB L <sub>A90</sub> ) at Standardised 10m Height Wind Speeds (m/s)						
		3	4	5	6	7	8	9
133	Residential	21.9	22.2	26.3	30.0	30.5	30.5	30.5
134	Residential	21.3	21.7	25.7	29.4	29.9	29.9	29.9
135	Residential	19.8	20.1	24.2	27.9	28.4	28.4	28.4
137	Residential	16.5	16.7	20.8	24.5	25.0	25.0	25.0
138	Residential (house not built yet)	18.9	19.2	23.2	27.0	27.5	27.5	27.5
139	Residential	20.3	20.6	24.6	28.3	28.8	28.8	28.8
140	Residential	19.9	20.2	24.3	28.0	28.5	28.5	28.5
141	Residential	18.9	19.2	23.2	26.9	27.4	27.4	27.4
142	Residential	18.0	18.3	22.4	26.1	26.6	26.6	26.6
143	Residential	19.9	20.2	24.2	27.9	28.4	28.4	28.4
146	Derelict	19.2	19.5	23.6	27.3	27.8	27.8	27.8
147	Derelict	19.0	19.3	23.4	27.1	27.6	27.6	27.6
156	Derelict	18.7	18.9	23.0	26.7	27.2	27.2	27.2
157	No house here yet	17.2	17.4	21.5	25.2	25.7	25.7	25.7
158	Residential	25.4	26.1	30.2	33.8	34.4	34.4	34.4
159	Residential	23.3	23.8	27.8	31.6	32.1	32.1	32.1
160	Residential (New house)	20.1	20.4	24.5	28.2	28.7	28.7	28.7
161	Residential	17.1	17.2	21.3	25.0	25.5	25.5	25.5
162	Residential (Planning ref 194909)	22.7	23.2	27.3	30.9	31.5	31.5	31.5
163	Residential	16.0	16.1	20.2	23.9	24.4	24.4	24.4
164	Residential	15.3	15.4	19.6	23.3	23.8	23.8	23.8
165	Residential	16.0	16.1	20.2	23.9	24.4	24.4	24.4
166	Residential	16.1	16.2	20.3	24.0	24.5	24.5	24.5
167	Residential	16.7	16.9	21.0	24.7	25.2	25.2	25.2
168	Residential	16.4	16.6	20.7	24.4	24.9	24.9	24.9
169	Residential	16.4	16.5	20.6	24.3	24.8	24.8	24.8
170	Residential	15.7	15.9	19.9	23.6	24.1	24.1	24.1
171	Residential	15.8	15.9	20.0	23.7	24.2	24.2	24.2
172	Residential	20.2	20.6	24.6	28.4	28.9	28.9	28.9
173	Residential	19.5	19.9	24.0	27.7	28.2	28.2	28.2
174	Residential	20.8	21.1	25.2	28.9	29.4	29.4	29.4
175	Residential	19.0	19.3	23.4	27.1	27.6	27.6	27.6

