

Technical Appendix 4.2: Operational and Under-Construction Sites within 25 km

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1.1 Introduction

- 1.1.1 This Technical Appendix (TA) of Chapter 4 Landscape and Visual Amenity identifies wind farm sites that are operational or currently under construction within 25 km of the Proposed Development.
- 1.1.2 This TA should also be read in conjunction with the following:
 - **Volume 1 – Non-Technical Summary;**
 - **Volume 2 - Environmental Impact Assessment (EIA) Report:**
 - Chapter 4: Landscape and Visual Amenity;
 - **Volume 3a – Figures - (Figures 4.1 to 4.17);**
 - **Volume 3b – Visualisations - (Figures 4.18.1 to 4.36.6);**
 - **Volume 4 – Technical Appendices:**
 - TA 4.1: Landscape and Visual Impact Assessment (LVIA) Methodology;
 - TA 4.3: Landscape Assessment;
 - TA 4.4: Visual Assessment;
 - TA 4.5: Cumulative Assessment;
 - TA 4.6: Aviation Lighting Assessment;
 - TA 4.7: Implications on Designated Landscapes; and
 - TA 4.8: Residential Visual Amenity Assessment.

1.2 Scope of the Assessment

- 1.2.1 A cut-off date of **6th of March 2026** was applied to all operational, under-construction, consented and application stage wind farm developments located within 25 km of the outermost turbines of the Proposed Development. This enables suitable time to undertake assessments and create figures and visualisations prior to submission of the Environmental Impact Assessment Report (EIAR).
- 1.2.2 This TA focusses on developments that are currently visible within the landscape, i.e. those that are in operation or under construction and which are assessed as part of the baseline in the Landscape and Visual Impact Assessment (LVIA). The cumulative assessment which includes developments that are consented and currently in the planning system is presented in **TA 4.5: Cumulative Assessment, (EIAR Volume 4)**.
- 1.2.3 Supporting wirelines shown on **Figures 4.21.1 – 4.35.6, (EIAR Volume 3b)** have been produced with operational and under-construction developments out to 25 km from the outermost turbines. Therefore, baseline photography may include views of operational or under-construction wind farms located beyond 25 km from the Proposed Development that are not shown on wirelines.

1.3 Wind Farm Baseline

- 1.3.1 Within 25 km from the outermost turbines of the Proposed Development, a total of 45 operational sites and five sites currently under-construction were identified. These are shown on **Figure 4.6: Operational and Under-Construction Sites within 25 km (EIAR Volume 4)**, and listed in Table TA 4.2.1 of this TA.

Table TA 4.2.1: Operational and Under-Construction Sites within 25 km		
Site	Details	Distance and Direction from the outermost proposed turbine
Operational		
1. Andershaw	11 turbines at 140 m to tip.	6.2 km, northwest.
2. Auchnotroch Farm	1 turbine at 53.7 m to tip.	25.2 km, north.
3. Auchren Farm	1 turbine at 67 m to tip.	19.4 km, north.
4. Auchrobert	12 turbines at 132 m to tip.	22.9 km, northwest.
5. Bankend Rig	11 turbines at 76 m to tip.	25.6 km, northwest.
6. Birkhill	1 turbine at 99.5 m to tip.	17.4 km, north.
7. Broken Cross Energy Project	9 turbines at 149.9 m to tip	17.7 km, north.
8. Cleughhead Farm	1 turbine at 79 m to tip.	21.1 km, northwest.
9. Clyde	152 turbines at 126.5 m to tip.	4.2 km, northeast.
10. Clyde Extension	54 turbines at 126.5 and 142 m to tip.	8.6 km, northeast.
11. Cumberhead	12 turbines at 149.5 and a 180 m to tip.	15.6 km, northwest.
12. Dalquahandy	10 turbines at 131 m to tip.	16.0 km, northwest.
13. Douglas West	13 turbines at 149.9 m to tip.	14.0 km, northwest.
14. Dungeval	13 turbines at 100 m to tip.	24.9 km, northwest.
15. Easterton Wind Cluster	1 turbine at 67 m to tip.	19.3 km, north.
16. Galawhistle	22 turbines at 110 and 120 to tip.	13.9 km, northwest.
17. Garrelwood Farm	1 turbine at 77 m to tip.	21.4 km, northeast.
18. Glenkerrie	11 turbines at 100 and 118 m to tip.	17.2 km, northeast.
19. Glenmuckloch Energy Park	2 turbines at 46.1 m to tip.	17.4 km, northwest.
20. Hagshaw Hill Phase 2	20 turbines at 80m to tip.	13.7 km, northwest.
21. Hagshaw Hill Repowering	14 turbines at 200 m to tip.	13.4 km, northwest.
22. Hare Hill	20 turbines at 63 m to tip.	20.4 km, west.
23. Hare Hill Extension	35 turbines at 70, 81 and 91 m to tip.	20.6 km, southwest.
24. Harestanes	68 turbines at 125 m to tip.	19.6 km, southeast.
25. High Park Farm	1 turbine at 75 m to tip.	24.1 km, west.
26. High Waterhead Farm	1 turbine at 67 m to tip.	21.9 km, northwest.
27. JJ's Farm	1 turbine at 102 m to tip.	17.7 km, north.
28. Kennoxhead Wind Farm	13 turbines at 180 m to tip.	11.4 km, north.
29. Kype Muir	26 turbines at 132 m to tip.	24.5 km, northwest.
30. Kype Muir Extension	15 turbines at 156, 176 and 200 m to tip.	24.0 km, northwest.
31. Ladehead Farm	3 turbines at 74 m to tip.	23.6 km, northwest.
32. Low Whiteside Farm	1 turbine at 54 m to tip.	21.2 km, northwest.
33. Lower Waterhead Farm	1 turbine at 67 m to tip.	21.6 km, northwest.
34. Middle Muir	15 turbines at 136 and 152 m to tip.	5.5 km, northwest.
35. Minnygap	10 turbines at 125 m to tip.	22.8 km, southeast.

Table TA 4.2.1: Operational and Under-Construction Sites within 25 km		
Site	Details	Distance and Direction from the outermost proposed turbine
Operational		
36. Nether Fauldhouse Farm	1 turbine at 78 m to tip.	17.3 km, north.
37. North Brackenridge	1 turbine at 78 m to tip.	23.3 km, northwest.
38. Nutberry	6 turbines at 125 m to tip.	16.7 km, northwest.
39. Sandy Knowe	24 turbines at 125 m to tip.	16.9 km, west.
40. Sanquhar	9 turbines at 130 m to tip.	17.7 km, southwest.
41. Sunnyside	2 turbines at 62 m to tip.	10.6 km, southwest.
42. Twenty Shilling Hill	9 turbines at 140 m to tip.	14.4 km, southwest.
43. Whiteside	10 turbines at 121.2 m to tip.	17.5 km, southwest.
44/45. Woodlands Farm	2 turbines at 69 m to tip.	22.0 – 22.1 km, northwest.
Under Construction		
46. Cumberhead West	21 turbines at 200 m to tip.	18.6 km, northwest.
47. Douglas West Extension	12 turbines at 200 m to tip.	14.5 km, northwest.
48. Priestgill	7 turbines at 180 and 200 m to tip.	6.0 km, northeast.
49. Sanquhar Phase 2	44 turbines at 200 m to tip.	17.1 km, southwest.
50. Whitelaw Brae	14 turbines at 133.5 m to tip.	13.6 km, east.

- 1.3.2 The pattern of existing wind farm development within the 25 km Study Area is one of clusters to the east and west of the M74 Motorway / A74 (M) motorway, and further west of Nithsdale. Existing wind farms range in turbine height between 46.1 – 200 m, comprising varying wind turbine models and life cycles.
- 1.3.3 Clyde Wind Farm (9) and Clyde Extension (10) cover the largest geographical area occupying part of the northern side of the Southern Uplands. Turbines forming part of these two developments are at various elevations on rounded hill tops and visible from a lower lying area mainly viewed from between Glasgow and Abington, with limited views from other directions although not in their entirety due to intervening landform and the rounded nature of the landscape where both developments are located.
- 1.3.4 Harestanes (24) and Minnygap (35) Wind Farms are located on the western side of the A74 (M) road southwest of Beattock. Both of these developments are located on the southeastern side of Queensberry Hill (697 m AOD) and generally follow a grid like layout based on the topography of the hillside.
- 1.3.5 Elsewhere, wind farms are smaller in terms of number of turbines, forming small and large clusters of development northeast of Clyde Wind Farm Extension (10), Glenkerie (18) which is a standalone development, to the west of Clyde Wind Farm (9), Andershaw (1), and Middle Muir (34) which appears as one development, and further west Kennoxhead (28) which is also a standalone development.
- 1.3.6 In the northwest, there are several different clusters of wind farms which are located on the western side of the M74 Motorway. This includes Bankend Rig (5), Cumberhead (11), Dalquahandy (12), Douglas West (13), Dungeval (14), Galawhistle (16), Hagshaw Hill Phase 2 (20), Hagshaw Hill Repowering (21), Kype Muir (29), Kype Muir Extension (30), and Nutberry (38).
- 1.3.7 There are several smaller single turbines north of Happendon Services on either side of the M74 Motorway including Auchren Farm (3), Broken Cross Energy Project (7), Easterton Wind Cluster (15),

JJ's Farm (27), and southwest of Kirkmuirhill Auchrobert (4), Garrelwood Farm (17), High Waterhead Farm (26), Ladehead Farm (31), Low Whiteside Farm (32), Lower Waterhead Farm (33), North Brackenridge (37), and Woodlands Farm (44/45), all located west of the M74 Motorway.

- 1.3.8 In the southwest of the 25 km Study Area, there are several wind farms both forming clusters and standalone such as Hare Hill (22), Hare Hill Extension (23), Sandy Knowe (39), Sanquhar (40), and Whiteside (43), and one standalone development Twenty Shilling Hill (42).
- 1.3.9 To the north and northeast of Clyde Wind Farm, Priestgill (48) and Whitelaw Brae (50) are currently under construction and form separate developments west of the Fruid Reservoir. Other developments currently under construction include Cumberhead West (46) and Douglas West (47) to the northwest, which further reinforce the current cluster of Cumberhead (11), Dalquahandy (12), Douglas West (13), Galawhistle (16), and Hagshaw Hill Phase 2 (20).

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