

Contents

Volume 2 - Illustrative Figures

Figure 1.1	Site Location Plan
Figure 1.2	Turbine Locations
Figure 2.1	Site Design Iterations
Figure 3.1a	Site Layout
Figure 3.1b	Site Layout - West
Figure 3.1c	Site Layout - East
Figure 3.2	Typical Wind Turbine Structure
Figure 3.3	Indicative Substation A (East) layout
Figure 3.4	Indicative Substation B (West) layout
Figure 3.5	Typical Track Sections
Figure 3.6	Indicative Crane Pad Layout
Figure 3.7	Batching Plant
Figure 3.8	Typical Lattice Anemometry Mast
Figure 3.9	Indicative Cable Trench
Figure 3.10	Construction Programme
Figure 3.11	Indicative Culvert
Figure 3.12	Indicative Bridge
Figure 3.13	Typical Turbine Foundation
Figure 8.1	Shadow Flicker
Figure 9.1	Landscape and Visual Study Area
Figure 9.2	Zone of Theoretical Visibility (ZTV) to Blade Tip with Viewpoints
Figure 9.3	Zone of Theoretical Visibility (ZTV) to Hub Height with Viewpoints
Figure 9.4	Detailed Zone of Theoretical Visibility (ZTV) to Blade Tip with Viewpoints
Figure 9.5	Zone of Theoretical Visibility (ZTV) to Blade Tip with Viewpoints (120,000 scale)
Figure 9.6	Zone of Theoretical Visibility (ZTV) to Blade Tip with Viewpoints (50,000 scale)
Figure 9.7a	Landscape Character within 45km
Figure 9.7b	Landscape Character Key
Figure 9.8	Detailed Landscape Character
Figure 9.9	Landscape Planning Designations
Figure 9.10	Long Distance Recreational Routes and Transport Routes
Figure 9.11	Recreational Routes and Tourist Destinations within 10km
Figure 9.12	Cumulative Wind Farms within 45km
Figure 9.13	Comparative ZTV of Consented and Proposed Developments to Blade Tip
Figure 9.14	Comparative ZTV of Consented and Proposed Developments to Hub Height
Figure 9.15	Cumulative ZTV Lorg with Existing and Consented Wind Farms within 10km
Figure 9.16	Cumulative ZTV Lorg with Application Wind Farms within 10km
Figure 9.17	Cumulative ZTV Lorg with Existing and Consented Wind Farms between 10-45kn
Figure 9.18	Cumulative ZTV Lorg with Application Wind Farms between 10-45km
Figure 9.19a	Sequential Route Assessment - B729
Figure 9.19b-e	Sequential Route Assessment - B729
Figure 9.20a	Sequential Route Assessment - Southern Upland Way
Figure 9.20b-i	Sequential Route Assessment - Southern Upland Way
Figure 9.21a	Residential Visual Amenity Assessment
Figure 9.21 b-u Figure 9.22a-e	Residential Visual Amenity Assessment Viewpoint 1: The Striding Arches – Colt Hill
•	·
Figure 9.23a-g Figure 9.24a-g	Viewpoint 2: Southern Upland Way Adjacent to Lorg Site Viewpoint 3: Lorg Bridge
i iyui c 3.24a-y	viewpoint J. Lorg Dridge

November 2022



Figure 9.25a-g	Viewpoint 4: Approach to Lorg (Lorg Trail)
Figure 9.26a-j	Viewpoint 5: The Striding Arches - Benbrack
Figure 9.27a-i	Viewpoint 6: Minor Road from Smittons Bridge to Lorg Bridge
Figure 9.28a-e	Viewpoint 7: Blackcraig Hill
Figure 9.29a-e	Viewpoint 8: Striding Arches – Bail Hill
Figure 9.30a-e	Viewpoint 9: Cairnsmore of Carsphairn
Figure 9.31a-d	Viewpoint 10: B729 East of Carsphairn
Figure 9.32a-e	Viewpoint 11: Cairnkinna Hill
Figure 9.33a-e	Viewpoint 12: B7000 Approach
Figure 9.34a-d	Viewpoint 13: Lochside Hotel
Figure 9.35a-e	Viewpoint 14: Guffock Hill
Figure 9.36a-e	Viewpoint 15: Keir Hills
Figure 9.37a-e	Viewpoint 16: Corserine
Figure 9.38a-c	Viewpoint 17: Afton Filter Station
Figure 10.1	Non-Designated Heritage Records
Figure 10.2	Designated Heritage Assets
Figure 10.3	Viewpoint: Wireframe Visualisation from Stroanfreggan Craig, Fort (SM 1095)
Figure 10.4	Wireframe Visualisation View from Stroanfreggan Cairn (SM1043)
Figure 10.5	Wireframe Visualisation View of Stroanfreggan Cairn (SM1043) from Southern Upland Way
Figure 10.6	Wireframe Visualisation View from Dumfries House GDL
Figure 10.7	Wireframe Visualisation View from Southern Craigengillan GDL
Figure 10.8	Wireframe Visualisation View from Northwestern Craigengillan GDL
Figure 12.1	Site Location
Figure 12.2	Designated Ornithological Sites Within the Survey Area
Figure 12.3	Field Survey Areas
Figure 13.1	Proposed Development Overview
Figure 13.2	Superficial Geology
Figure 13.3	Solid Geology
Figure 13.4	Hydrological and Hydrogeological Receptors
Figure 13.5	Drainage and Elevation Map
Figure 13.6	Hydrological and Hydrogeological Constraints
Figure 14.1	Proposed Quarry Routes and Location
Figure 14.2	Proposed Turbine Delivery Route from the Port of Ayr
Figure 14.3	DfT Count Points and ATC Locations