

TIRAWLEY WIND FARM, CO. MAYO

VOLUME III – EIAR FIGURES

TABLE OF CONTENTS

Figure Number	Figure Name
1.1	Site Location Map
1.2	Site Layout Map
1.3	Proposed Development Redline
2.1	Site Entrance Map
2.2	Proposed Grid Connection Route
2.3	Residential Dwellings within 2km of the Proposed Wind Farm Site
2.4	Wind Farms within approximately 20km of the Wind Farm Site
2.5	Site Layout Map
2.6	Typical Hardstand Details
2.7	Turbine Delivery Route Option 1 (Killybegs Harbour to Site)
2.8	Turbine Delivery Route Option 2 (Galway Port to Site)
2.9	Turbine Delivery Route Option 3 (Foynes Port to Site)
2.10	Road Construction Details (Sheet 1 of 2)
2.11	Road Construction Details (Sheet 2 of 2)
2.12	Met Mast Location Map
2.13	Proposed 80M Meteorological Mast 1 Details
2.14	Proposed Onsite 110kV Electrical Substation and BESS Location Map
2.15	Proposed Onsite 110kV Electrical Substation Details (Sheet 1 of 2)
2.16	Proposed Onsite 110kV Electrical Substation Details (Sheet 2 of 2)
2.17	Electrical Compound - Substation Elevations (Sheet 1 of 2)
2.18	Electrical Compound - Substation Elevations (Sheet 2 of 2)
2.19	Wind Farm Collector Cable Trench Details
2.20	Standard 110kV Roadway Trench Terfoil Design (160mm Duct)
2.21	Temporary Construction Compound Location Map
2.22	Proposed Operations Building Location Map
2.23	Vestas V117 (4.3 MW) IEC IIA Schematic
3.1	Constraints Map
3.2	Iterations 1-4
3.3	Iterations 5-8
3.4	Iterations 9-12
3.5	Study Area 1
3.6	Study Area 2
3.7	Third Layout
3.8	Constraints Map Fourth Layout
3.9	Fourth Layout
3.10	Constraints Map Fifth Layout

Figure Number	Figure Name
3.11	Final Layout
4.1	Mayo County Council - Policy Landscape
4.2	Renewable energy potential and existing infrastructure in County Mayo from the Renewable Energy Strategy for County Mayo 2011-2020
5.1	District Electoral Divisions
5.2	Associated Townlands
5.3	Population Co. Mayo, Census 1981 - 2022
5.4	Local Wells in the Vicinity
6.1	European Designated Sites (SACs and SPAs)
6.2	Natural Heritage Areas and proposed Natural Heritage Areas
9.1	Regional Hydrology Map
9.2	Local Hydrology Map
9.3	Wind Farm Site Drainage Map
9.4	WC Crossings along Grid Connections Map
9.5	OPW Past Flood Events Map
9.6	National Indicative Flood Map
9.7	EPA and SW Monitoring Locations
9.8	Bedrock Aquifer Map
9.9	Designated Sites Map
9.10	GSI Mapped Local Groundwater Wells
9.11	Cumulative Study Area
12.1	ZTV indicating the areas that have a potential view of the proposed turbines at Tirawley Wind Farm (135m Tip Height)
12.2	Map showing selected representative viewpoints within the study area
12.3	ZTV indicating the cumulative theoretical visibility of the proposed Tirawley Wind Farm in combination with all other wind farms in the study area
12.4	ZTV indicating the cumulative theoretical visibility of the proposed Tirawley Wind Farm in combination with potential future cumulative baseline
13.1	Gas Networks Information at Tawnaghmore Substation
13.2	Gas Network Information at Palmerstown Bridge
13.3	Gas Networks Information at Site Entrances 1 and 2
13.4	Gas Networks Information Between Palmerstown Bridge & Site Entrance 2
13.5	Gas Networks Information at Site Entrance 2
13.6	Gas Network Information at Site Entrances 3 & 4
13.7	Gas Network Information at Site Entrances 5, 6, 7, 8 & 9
13.8	Gas Network Information at Site Entrances 12, 13 & 14

Figure Number	Figure Name
14.1	Recorded Archaeological Sites Within 1km of Wind Farm
14.2	Designated Architectural Heritage Structures Within 1km of Wind Farm
14.3	National Monuments Within 10km of Wind Farm
14.4	1st edition 6-inch OS Map of Site
14.5	Archaeological Sites Within Grid Connection Study Area
14.6	Designated Architectural Heritage Structures Within Grid Connection Study Area
14.7	Archaeological Site within environs of Annagh Beg TDR
14.8	Vernacular Structures Within Wind Farm Site
16.1	Gas Network Ireland - Pipeline Map
17.1	Proposed Haul Route Option 1 (Killybegs Harbour to Site)
17.2	Proposed Haul Route Option 2 (Galway Port to Site)
17.3	Proposed Haul Route Option 3 (Foynes Port to Site)
17.4	TDR Second Leg - Ballina to Site Entrance
17.5	Site TDR - Blue Route (AT01 to AT04 + Met Mast) Road Map
17.6	Site TDR - Orange Route (AT05 to AT16) Road Map
17.7	Quarry and Local Concrete Batch Suppliers in Local Area