

**TABLE OF FIGURES**

<b>No.</b>	<b>Figure</b>
<b>1</b>	<b>Introduction</b>
1.1	Site Location Plan
1.2	Planning Application Boundary
<b>2</b>	<b>Design Evolution and Alternatives</b>
2.1	Key Constraints and Infrastructure
2.2	Turbine Layout
2.3	Turbine Layout Evolution
<b>3</b>	<b>Proposed Development</b>
3.1	Infrastructure Layout
3.2	Typical Wind Turbine Elevation
3.3a	Typical Wind Turbine Gravity Foundation
3.3b	Typical Wind Turbine Piled Foundation
3.4	Crane Hardstanding General Arrangement
3.5	Access Track Typical Details
3.6 a, b, c & d	Substation Building and Compound
3.7	Site Entrance
3.8	Typical Temporary Construction Compound
3.9	Indicative Borrow Pit Details
3.10	Typical Cable Trench Details
3.11	Potential Contamination Sources
3.12	Substation Welfare Building Wastewater Treatment and Discharge
<b>4</b>	<b>The Statutory and Planning Context</b>

4.1	Planning Application Boundary & Pre-Assessed Area 10
<b>5</b>	<b>Landscape and Visual</b>
5.1	Site Location and Initial LVIA Study Area 35 km
5.2	Site Location and Detailed LVIA Study Area 24 km
5.3	Blade Tip ZTV to 35 km with Viewpoints
5.4	Blade Tip ZTV to 24 km with Viewpoints
5.5	Hub Height ZTV to 35 km with Viewpoints
5.6	Hub Height ZTV to 24 km with Viewpoints
5.7	Landscape Designations within 35 km
5.8	Landscape Designations within 24 km
5.9	Landscape Designations to 24 km with Blade Tip ZTV
5.10	LANDMAP Geological Landscape Classification
5.11	LANDMAP Geological Landscape Evaluation
5.12	LANDMAP Landscape Habitat Classification
5.13	LANDMAP Landscape Habitat Evaluation
5.14	LANDMAP Visual and Sensory Classification within 24 km
5.15	LANDMAP Visual and Sensory Overall Evaluation with Blade Tip ZTV
5.16	LANDMAP Historic Landscape Classification within 24 km
5.17	LANDMAP Historic Landscape Overall Evaluation with Blade Tip ZTV
5.18	LANDMAP Cultural Landscape Classification within 24 km
5.19	Topography Plan to 24 km
5.20	Principal Visual Receptors to 24 km Blade Tip ZTV and Viewpoints
5.21	Blade Tip ZTV to 24 km (NW Quadrant) with Viewpoints
5.22	Blade Tip ZTV to 24 km (SW Quadrant) with Viewpoints
5.23	Blade Tip ZTV to 24 km (NE Quadrant) with Viewpoints
5.24	Blade Tip ZTV to 24 km (SE Quadrant) with Viewpoints
5.25	Hub Height ZTV to 24 km (NW Quadrant) and Viewpoints

5.26	Hub Height ZTV to 24 km (SW Quadrant) and Viewpoints
5.27	Hub Height ZTV to 24 km (NE Quadrant) and Viewpoints
5.28	Hub Height ZTV to 24 km (SE Quadrants) and Viewpoints
5.29	Other Wind Farms within 35 km
5.30	Other Wind Farms within 24 km
5.31	Cumulative ZTV with operational Oakdale Business Park, Rassau Industrial Estate, Pen Bryn Oer
5.32	Cumulative ZTV with operational Solutia UK, ANP Newport, Nash Waste Water, G24 Solutions, Tesco Distribution Centre
5.33	Cumulative ZTV with consented Pen-Yr-Hoel Farm, Longlands Farm
5.34	Cumulative ZTV with in planning Mynydd Carn
5.35	Cumulative ZTV with in scoping Mynydd Y Glyn, Twyn Hywel
5.36	Cumulative ZTV with in scoping Mynydd Llanhilleth, Abertillery, Manmoel
5.37 - 5.73	Visuals
5.74	BBNP Landscape Character Assessment 35 km
5.75	Cumulative ZTV with Scoping Stage Abertillery
<b>6</b>	<b>Ecology</b>
6.1	Phase 1 Habitat Survey Area
6.2a	Bat Survey Building Surveyed and Trees Inspected
6.2b	Bat Survey Building Surveyed and Trees Inspected
6.3	Bat Detector Locations
6.4	Ponds Surveyed for Great Crested Newt
6.5	Dormouse Nest Tube Locations
6.6	Otter and Water Vole Survey Area
6.7	Statutory Designated Sites within 10km of Site Boundary
6.8	Non-statutory Designated Sites within 2km of Site Boundary
6.9a	Phase 1 Habitat Survey Results
6.9b	Phase 1 Habitat Survey Results

6.9c	Phase 1 Habitat Survey Results
6.10	Bat Activity
6.11	Adder Habitat Quality
<b>7</b>	<b>Ornithology</b>
7.1	VPs, Viewing Arc and Survey Area
7.2	Survey Areas
7.3	Statutory Sites within 10 km of Site Boundary
7.4	Raptor Territories CONFIDENTIAL
7.5	Nightjar Territories
<b>8</b>	<b>Cultural Heritage</b>
8.1	Scheduled Monuments and World Heritage Sites within 10km of the Mynydd Maen Wind Farm
8.2	Scheduled Monuments and World Heritage Sites within 10km of the Mynydd Maen Wind Farm and in Zone of Theoretical Visibility
8.3	Listed Buildings within the Zone of Theoretical Visibility
8.4	Conservation Areas and Registered historic Parks and Gardens within 10km of the Mynydd Maen Wind Farm and in Zone of Theoretical Visibility
8.5	Glamorgan Gwent Historic Environment Records and National Monument Records within 2km
8.6	Glamorgan Gwent Historic Environment Records and national Monument Records within the wind farm boundary
8.7	Lidar Data for the wind farm boundary
8.8	Potential archaeological sites identified from Lidar Data within the wind farm boundary
<b>9</b>	<b>Hydrology and Hydrogeology</b>
9.1	Drainage Catchment Areas and Receptors
9.2	Bedrock Geology

9.3	Peat Depth Plan
9.4	Aquifer Bedrock
9.5	Aquifer Superficial Deposits
<b>10</b>	<b>Traffic, Transport and Access</b>
10.1	Abnormal Load Delivery Route Overview
10.2	Abnormal Load Route from Port to Abercarn Mountain Rd
10.3	Abnormal Road Route Abercarn Mountain Road
<b>11</b>	<b>Acoustic</b>
11.1	Mynydd Maen Noise Contour Plot
11.2	Cumulative Noise Contour Plot