

VOLUME 3: FIGURES - CONTENTS

INTRODUCTION

- 1.1 SITE LOCATION AND BOUNDARY
- 1.2 COMMON LAND

SITE SELECTION & DESIGN EVOLUTION

- 2.1 REDUCTION IN SITE BOUNDARY
- 2.2a SITE CONSTRAINTS: PEAT, WATERCOURSES & GEOLOGY
- 2.2b SITE CONSTRAINTS: ORNITHOLOGY AND HERITAGE
- 2.2c SITE CONSTRAINTS: SLOPE AND UTILITIES
- 2.3a LAYOUT EVOLUTION (A,B,C,D)
- 2.3b LAYOUT EVOLUTION: SITE ACCESS OPTIONS

PROPOSED SCHEME

- 3.1 PROPOSED SCHEME
- 3.2 INDICATIVE TURBINE
- 3.3 INDICATIVE TURBINE FOUNDATION
- 3.4 INDICATIVE WORST-CASE CRANE HARDSTANDING AREA
- 3.5a INDICATIVE ELECTRICAL COMPOUND AND CONTROL BUILDING
- 3.5b INDICATIVE CONTROL BUILDING
- 3.6 INDICATIVE BATTERY STORAGE COMPOUND
- 3.7 INDICATIVE CABLE TRENCH ARRANGEMENTS
- 3.8 INDICATIVE ACCESS TRACK CROSS SECTION
- 3.9 INDICATIVE PASSING PLACE
- 3.10 INDICATIVE WATERCOURSE CROSSING
- 3.11 INDICATIVE GAS PIPELINE CROSSING
- 3.12 INDICATIVE CONSTRUCTION COMPOUND LAYOUT
- 3.13 SITE ACCESS INDICATIVE JUNCTION LAYOUT

LVIA

- 5.1 SITE LOCATION AND STUDY AREA
- 5.2 LANDFORM
- 5.3a NATIONAL LANDSCAPE CHARACTER
- 5.3b LANDSCAPE CHARACTER
- 5.3c LANDSCAPE CHARACTER KEY
- 5.4 NATIONAL LANDSCAPE DESIGNATIONS
- 5.5a LOCAL LANDSCAPE DESIGNATIONS

- 5.5b LANDSCAPE DESIGNATIONS KEY
- 5.6 PRINCIPAL VISUAL RECEPTORS (TRANSPORT ROUTES AND SETTLEMENTS)
- 5.7 PRINCIPAL VISUAL RECEPTORS (RECREATIONAL ROUTES)
- 5.8 PRINCIPAL VISUAL RECEPTORS LOCAL CONTEXT
- 5.9 LANDSCAPE DESIGNATIONS LOCAL CONTEXT
- 5.10 SITE CONTEXT
- 5.11a BLADE TIP ZTV WITH VIEWPOINTS (A3)
- 5.11b BLADE TIP ZTV WITH VIEWPOINTS_(A1)
- 5.12a HUB HEIGHT ZTV WITH VIEWPOINTS (A3)
- 5.12b HUB HEIGHT ZTV WITH VIEWPOINTS (A1)
- 5.13 HORIZONTAL ANGLE BLADE TIP ZTV
- 5.14 LANDSCAPE CHARACTER AND BLADE TIP ZTV
- 5.15 NATIONAL LANDSCAPE DESIGNATIONS AND BLADE TIP ZTV
- 5.16 LOCAL LANDSCAPE DESIGNATIONS AND BLADE TIP ZTV
- 5.17 PRINCIPAL VISUAL RECEPTORS (TRANSPORT ROUTES AND SETTLEMENTS) AND BLADE TIP ZTV
- 5.18 PRINCIPAL VISUAL RECEPTORS (RECREATIONAL ROUTES) AND BLADE TIP ZTV
- 5.19 PRINCIPAL VISUAL RECEPTORS LOCAL CONTEXT AND BLADE TIP ZTV
- 5.20 LANDSCAPE DESIGNATIONS LOCAL CONTEXT AND BLADE TIP_ZTV
- 5.21 BLADE TIP ZTV WITH SITE CONTEXT
- 5.22a CUMULATIVE WIND FARMS WITHIN 45KM
- 5.22b CUMULATIVE WIND FARMS WITHIN 20KM
- 5.22c NON-WIND CUMULATIVE DEVELOPMENTS (DNS AND NSIP WITHIN_45KM)
- 5.22d NON-WIND CUMULATIVE DEVELOPMENTS (LPA MAJOR APPLICATIONS WITHIN_10KM)
- 5.23a CZTV: ALL OPERATIONAL WIND DEVELOPMENTS WITHIN 20KM
- 5.23b CZTV: GROUP 1 OPERATIONAL WIND ENERGY DEVELOPMENTS
- 5.23c CZTV: GROUP 2 OPERATIONAL WIND ENERGY DEVELOPMENTS
- 5.23d CZTV: GROUP 3 OPERATIONAL WIND ENERGY DEVELOPMENTS
- 5.23e CZTV: GROUP 1 OPERATIONAL AND CONSENTED WIND ENERGY DEVELOPMENTS
- 5.23f CZTV: GROUP 3 OPERATIONAL AND CONSENTED WIND ENERGY DEVELOPMENTS
- 5.23g CZTV: SILENT VALLEY APPLICATION
- 5.23h CZTV: MYNYDD CARN-Y-CEFYN APPLICATION
- 5.23i CZTV: SCOPING SITES WITHIN 10KM
- 5.23j CZTV: SCOPING SITES WITHIN 10 - 20KM

GEOLOGY HYDRO HYDROGEOLOGY & PEAT

- 6.1a BEDROCK GEOLOGY
- 6.1b SUPERFICIAL GEOLOGY
- 6.2 SOILS
- 6.3 PEAT DEPTH OVERVIEW
- 6.4 HYDROLOGICAL CATCHMENTS
- 6.5 PRIVATE WATER SUPPLIES
- 6.6 WATER QUALITY MONITORING

ORNITHOLOGY

- 8.1 ORNITHOLOGY SURVEY AREA
- 8.2 VANTAGE POINTS AND VIEWSHEDS
- 8.3 WADER TERRITORY LOCATIONS
- 8.4.1 CURLEW TERRITORIES AND BUFFERS (2019)
- 8.4.2 CURLEW TERRITORIES AND BUFFERS (2020)

ACCESS TRAFFIC AND TRANSPORT

- 10.1 STUDY AREA
- 10.2 TRAFFIC COUNT LOCATIONS
- 10.3 ACCIDENT LOCATIONS
- 10.4 ABNORMAL INDIVISIBLE LOADS AND CONSTRUCTION VEHICLE DELIVERY ROUTES

CULTURAL HERITAGE

- 11.1 DESIGNATED HERITAGE SITES WITHIN 10KM
- 11.2 MERTHYR TYDFIL HISTORIC LANDSCAPE CHARACTER AREA AND HLC AREAS ASSESSED
- 11.3 ARCHAEOLOGICAL RECORDS WITHIN THE APPLICATION BOUNDARY EXCLUDING THOSE OF POST MEDIEVAL DATE
- 11.4 ARCHAEOLOGICAL RECORDS WITHIN THE APPLICATION BOUNDARY OF POST MEDIEVAL DATE

OTHER EIA TOPICS

- 12.1 SHADOW FLICKER COVERAGE – WORST CASE SCENARIO
- 12.2 UTILITY CONSTRAINTS