DO NOT SCALE FROM THIS DRAWING

LEGEND

- Site boundary
- Study area extent for Land, Soil and Groundwater (1km buffer outside Site boundary)

Notes:

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Rev	Date	Description	Drn	Chk	App
C02	23.04.25	Second Issue	EC	FC	FC
C01	10.04.25	First Draft	EC	FC	FC

Mynydd Ty-talwyn Energy Park

GALILEO EMPOWER

Title

Figure 5.1
Study area for Land,
Soil and Groundwater

323220-HE-212-SS-D-C-21207-C02

0 200 400 600 800 1km

Scale: 1:25,000 @A3

Rev 02

DO NOT SCALE FROM THIS DRAWING

LEGEND

- Site boundary
- Study area extent for Land, Soil and Groundwater (1km buffer outside Site boundary)
- Mineral safeguarding zone (Sandstone and igneous rock)
- Mineral safeguarding zone (Sandstone)
- Secondary (undifferentiated) aquifer (superficial deposits)

Sensitive receptors:

1. Land (at risk of potential contamination) - The receptor is present across the whole site area.
2. Land (mineral safeguarding) - Mineral safeguarding zones are located within the boundary as shown.
3. Soil - The receptor is present across the whole site area.
4. Groundwater classified as a secondary A aquifer with respect to superficial geological units is located within the boundary as shown. With respect to bedrock deposits, the entire site area is underlain by a secondary undifferentiated aquifer.

Notes:

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Rev	Date	Description	Drn	Chk	App
C03	23.04.25	Second Issue	EC	FC	FC
C01	07.04.25	First Draft	EC	FC	FC

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Title

Figure 5.2
Location of sensitive receptors relating to Land, Soil and Groundwater

323220-HE-212-SS-D-C-21208-C02

0 200 400 600 800 1km

Scale: 1:25,000 @A3

Rev 02

DO NOT SCALE FROM THIS DRAWING

LLANGYNWYD MIDDLE C

CEFN CRIBWR C

PEN-Y-CWM

LEGEND

Site boundary

Slopes Onsite (°)

44.558

0.009

Notes:

Data set, LiDAR data from DataMapWales, Welsh Government (https://datamap.gov.wales/maps/lidar-viewer/)

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Rev	Date	Description	Drn	Chk	App
C02	23.04.25	Second Issue	EC	FC	FC
C01	10.04.25	First Draft	EC	FC	FC

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Title

Figure 5.3
Gradients of Slopes

323220-HE-212-SS-D-C-21210-C02

0 200 400 600 800 1000m

Scale: 1:20,000 @A3

Rev 02

DO NOT SCALE FROM THIS DRAWING

LEGEND

- Site boundary
- A — Indicative solar PV area
- 6 — Proposed turbine location
- BESS platform
- Substation platform
- Mine entries
- No. 1-27 — Mine entry records reviewed
- Approximate distances in metres (m)
- 01 — Underground coal mining location (Grid reference of approximate centre point)
- 13 — Sandstone quarry location (Grid reference of approximate centre point)

Notes:

See summary table accompanying this drawing for details of underground coal mining locations and sandstone quarry locations

Contains features from:
MTT_Infrastructure_Export_26-02-2025
Mine Entries.dwg

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Rev	Date	Description	Drn	Chk	App
C02	23.04.25	Second Issue	EC	FC	FC
C01	10.04.25	First Draft	EC	FC	FC

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Figure 5.4
Mine entry locations and distances to development features

323220-HE-122-SS-D-C-12203-C02

0 200 400 600 800 1000m

Scale: 1:20,000 @A3

Rev 02

DO NOT SCALE FROM THIS DRAWING

LEGEND

- Site boundary
- A — Indicative solar PV area
- 6 — Proposed turbine location
- BESS platform
- Substation platform
- Mine entries
- Surface mining (past and current)

Notes:

The surface mining area shown to the north west of the Site, and the area within the Site boundary at the southern edge, are both included in the Coal Authority Consultants Report reference 71009601103001, dated June 2023, labelled as Unlicensed Opencast Sites. These areas are also indicated on the MRA Map Viewer, categorised as 'Surface Mining (Past and Current)'. The other two areas are only shown on the MRA Map Viewer as Surface Mining (Past and Current) areas, and are not identified by the Coal Authority Consultants Report

Contains features from:
MTT_Infrastructure_Export_26-02-2025
Mine Entries.dwg
[323220]QGIS v1.0QGIS v1.0

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Rev	Date	Description	Drn	Chk	App
C02	23.04.25	Second Issue	EC	FC	FC
C01	07.04.25	First Draft	EC	FC	FC

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Title

Figure 5.5
Other coal mining constraints

323220-HE-212-SS-D-C-21212-C02

0 200 400 600 800 1000m

Scale: 1:20,000 @A3

Rev 02