Invenergy

Pencloe Wind Farm

Alternative Abnormal Load Access Route

Invenergy is a leading privately held, global developer and operator of sustainable energy solutions.

We take sustainable power infrastructure projects from drawing board to reality, serving leading utilities, global brands and public sector partners.

Company

- Headquartered in Chicago, Illinois with offices in nine countries
- 1,100+ employees (11% military veterans)
- Largest privately held renewable energy developer and operator in the world

Portfolio

- 186 projects developed, powering 5 million homes
- $43 Billion in transactions completed
- 29,000+ MWs developed
- 10,508 MWs under management
- Diversified across markets, countries, and ownership structures

Pencloe Wind Energy Ltd

In the UK, Invenergy has developed in the order of 310MWs of renewable energy. Invenergy owns Pencloe Wind Energy Ltd in a joint venture with North British Windpower Ltd.

Wind Farm Projects in the UK

Bettyhill
Location: Sutherland, The Highland Council
Capacity: 6mw
Status: In Operation

Corriegarth
Location: Gorthleck, The Highland Council
Capacity: 69mw
Status: In Operation

Fallago Rig
Location: Lammermuir Hills, Scottish Borders Council
Capacity: 144mw
Status: In Operation

Pencloe
Location: Pencloe Forest, East Ayrshire Council
Capacity: c. 85.5mw
Status: In Development

Pencloe Wind Farm

The Pencloe Wind Farm site is located within the East Ayrshire Council area, with the closest turbine around 5.5 km to the south of New Cumnock.

Pencloe Wind Farm will comprise 19 turbines with a height not exceeding 149.9 m to blade tip.

Consent was granted for a development consisting of 19 wind turbines, with a height of 125 m to blade tip, and associated infrastructure in December 2018. The consented access route is down the Afton Road, accessing the wind farm from Pencloe Farm.

In June 2019, a S.36 variation application was submitted to Scottish Ministers for permission for all turbines to be built at a height not exceeding 149.9 m to blade tip, and for the relocation of two turbines.

East Ayrshire Council supported the S.36 variation application at committee on 14 August 2020 subject to each of the locations of Turbines 1 and 2 being moved to reduce overlapping blades in views from the north. East Ayrshire Council subsequently supported the proposed new locations for Turbines 1 and 2 in March of this year.

Construction of Pencloe Wind Farm is expected to take place over 18 months. Construction traffic vehicle numbers do not change when comparing the consented development with the S.36 variation application.

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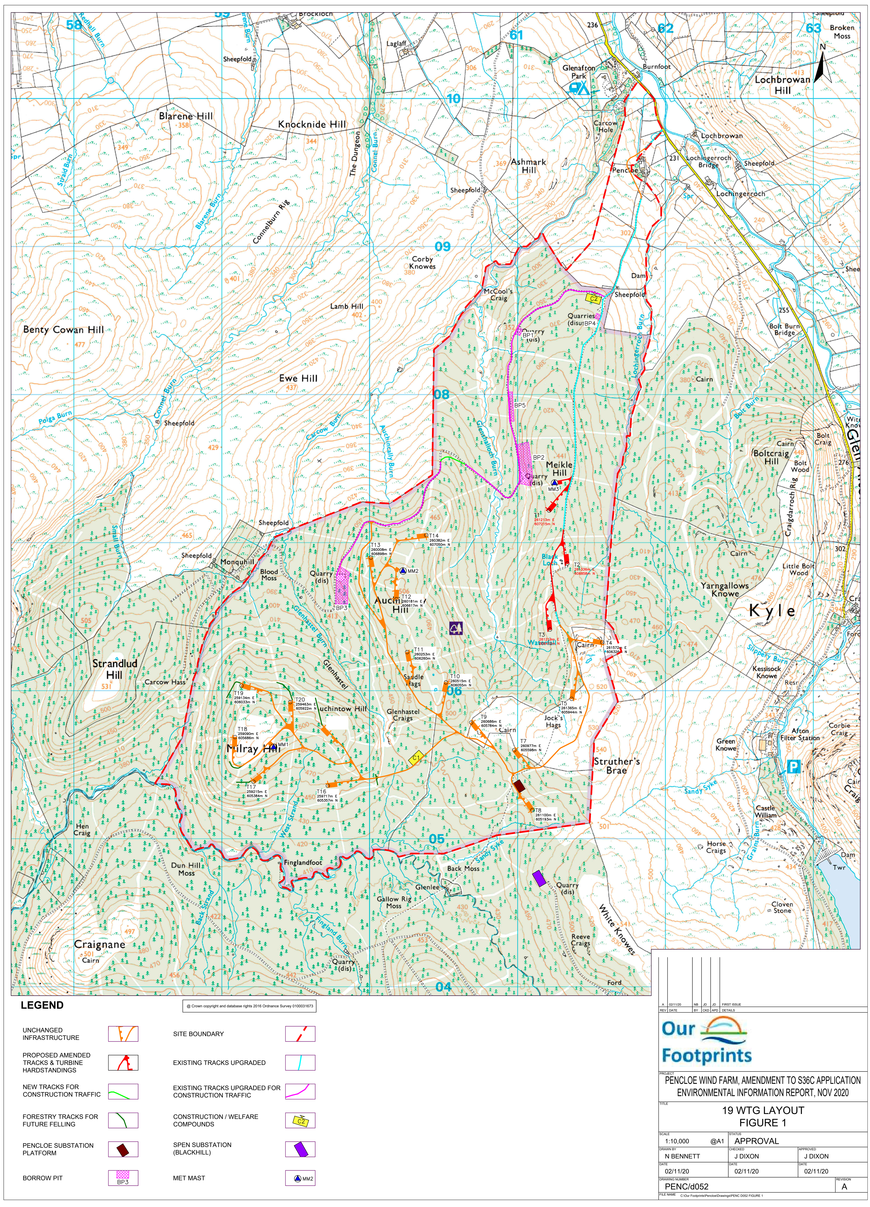
Pencloe Wind Farm

To avoid excess materials being brought on site via public roads, Pencloe Wind Energy Limited will be sourcing the majority of the rock for construction from onsite borrow pits, while concrete will be batched on site.

We expect Scottish Ministers to determine the S.36 variation application in the coming months.

The development is to be constructed by Invenergy who will provide community liaison continuity prior to and during construction. The development is likely to be operational towards the end of 2023.



Pencloe Wind Farm Site Layout

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Pencloe Wind Farm

Economic and Community Benefits

Pencloe Wind Farm has committed to providing Community Benefit of £5,000 per MW annually to communities in the local area.

Based on the 2018 consent our annual Community Benefit Fund would equate to £313,500 and this could rise to £427,500 if our S.36 variation application is approved by Scottish Ministers.

Following a number of roundtable meetings, it was agreed that the Community Benefit Fund will be distributed and managed via the 9CC Group for local projects.

We aim to employ local people during construction through the principal contractor.

Scottish Government Good Practice Principles for Community Benefits from Onshore Renewable Energy Developments

Scottish Government
Riaghaltas na h-Alba
gov.scot

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Alternative Abnormal Load Access Route

Proposal

To reduce the impact of the construction traffic we are proposing a new access route for all of the abnormal loads required to construct the Pencloe Wind Farm. These loads include the turbine blades, towers sections, and nacelles. Other construction traffic will use the already consented route which follows the Afton Road to access at Pencloe Farm.

The proposed abnormal load route is shown on the next board and will run for around 7.8km to the west of the Afton Road through pasture and moorland on Laight and Ashmark farms, before entering Pencloe Forest owned by Forestry and Land Scotland (FLS). The route will take a total of 157 abnormal loads off the Afton Road at a point immediately to the south of Afton Cemetery.

A new bellmouth junction arrangement is proposed from the Afton Road for use of abnormal load vehicles during construction and throughout the operational and decommissioning phases of the wind farm. The location and form of the access junction will be agreed with the Ayrshire Roads Authority.

These proposals do not alter the overall construction traffic volumes for Pencloe Wind Farm, but would remove abnormal loads from part of the Afton Road, reducing disturbance to residents and road users in terms of load movements; highways modifications required to accommodate loads; and by avoiding the removal of trees and vegetation on either side of the road.

Image is for illustrative purposes only.

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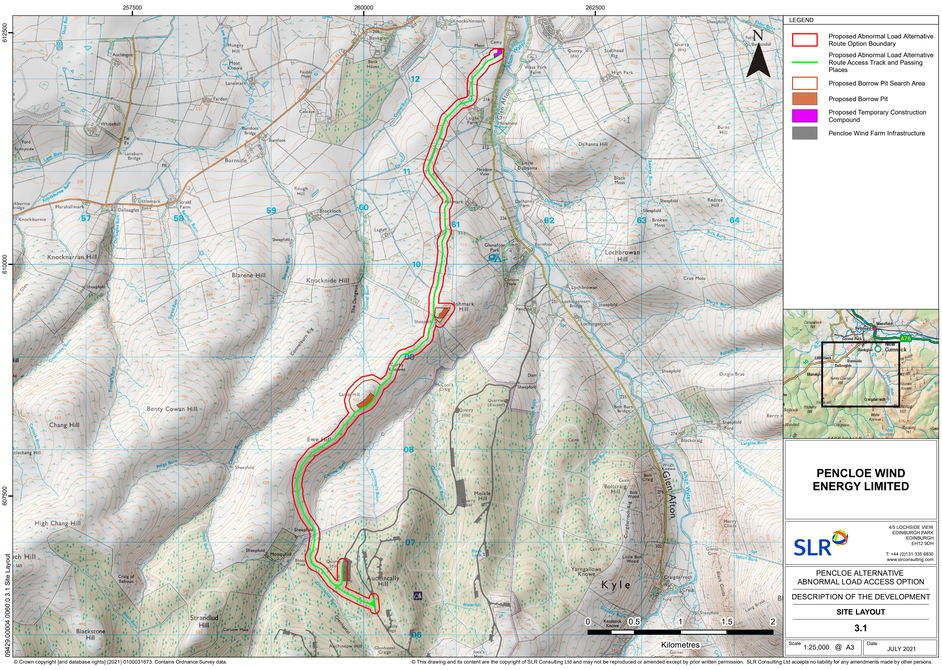
Alternative Abnormal Load Access Route

Layout



The abnormal load track will have a running width of 5 m and passing places will be required along the length of the track. An estimated 20,000 m^3 of stone is required to construct the track. The majority of the stone will be sourced from a borrow pit on Ashmark Farm. Two borrow pit search areas are being considered.

The construction of the track would be integrated into the Pencloe Wind Farm construction programme. It is expected that the construction will take around 8 months, currently scheduled from May 2022 to February 2023 with turbine abnormal load deliveries scheduled for March 2023 to June 2023.

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Alternative Abnormal Load Access Route

Planning Process and Consultation

We intend to submit a planning application for the Abnormal Load Access Track in August this year.

As the access route is a local planning application, East Ayrshire Council does not require formal consultation. However, we are carrying out a programme of consultation regardless, to ensure that neighbours on the Afton Road and residents in New Cumnock are fully informed and can share their views.

Our consultation work has involved the formation of a Neighbour Liaison Forum to establish a clear link between residents on the Afton Road and Invenergy — both in advance of and during construction.

The Neighbour Liaison Forum includes Afton Road residents and a representative from New Cumnock Community Council.

Image is for illustrative purposes only.

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Alternative Abnormal Load Access Route

Environmental Assessment

An Environmental Impact Assessment Report (EIAR) will be submitted to support the planning application for this Abnormal Load Access Route. The report will provide assessments for following technical disciplines:

- Landscape and Visual Impact;
- Ecology and ornithology;
- Hydrology, hydrogeology and peat;
- Noise;
- Traffic and Transport; and
- Other issues (e.g. utilities)

Image of Bettyhill Wind Farm, Sutherland.

The following boards show:

- **Board 9** A photomontage of the junction and bellmouth access off the Afton Road from a viewpoint on the Afton Road, adjacent to the cemetary
- **Board 10** A photomontage of the abnormal load access track from Connel View, New Cumnock
- **Board 11** Baseline peat survey along the abnormal load route

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Photomontage from Afton Road

VIEWPOINT : 1 - AFTON ROAD ADJACENT CEMETERY
GRID REFERENCE: E 261531, N 612482 ELEVATION: 222m AOD
DATE AND TIME OF CAPTURED PHOTOGRAPHY: 21/07/2021 9:47
DISTANCE FROM VIEWPOINT TO SITE: GROUND LEVEL
DIRECTION OF VIEW: SOUTH WEST

VIEWPOINT : 1 **DWG NO : PW L/1**
TYPE 1: ANNOTATED VIEWPOINT - SPRING/SUMMER PHOTOGRAPHY
CAMERA: NIKON D750 LENS: 50MM ENLARGEMENT FACTOR: 66% AT A1
PROJECTION: CYLINDRICAL - HORIZONTAL FIELD OF VIEW: 80°
CORRECT PRINT SIZE: A1 - VIEW AT COMFORTABLE ARM'S LENGTH

SLR PENCLOE WIND ENERGY LIMITED
PENCLOE WIND FARM ABNORMAL LOADS ACCESS TRACK
LAND AT AFTON ROAD, CUMNOCK, EAST AYRSHIRE
DATE: JULY 2021 DRAWN BY: CHECKED BY: APPROVED BY:

VIEWPOINT : 1 - AFTON ROAD ADJACENT CEMETERY
GRID REFERENCE: E 261531, N 612482 ELEVATION: 222m AOD

DIRECTION OF VIEW: SOUTH WEST

VIEWPOINT : 1 **DWG NO : PW L/1**
TYPE 2: AS EXISTING - WIDE

PROJECTION: CYLINDRICAL - HORIZONTAL FIELD OF VIEW: 80°
CORRECT PRINT SIZE: A1 - VIEW AT COMFORTABLE ARM'S LENGTH

SLR PENCLOE WIND ENERGY LIMITED
PENCLOE WIND FARM ABNORMAL LOADS ACCESS TRACK
LAND AT AFTON ROAD, CUMNOCK, EAST AYRSHIRE
DATE: JULY 2021 DRAWN BY: CHECKED BY: APPROVED BY:

It is recommended that this photomontage is viewed at a comfortable arm's distance. Printed copies of the image are also available, please ask if you require any assistance.

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Photomontage from Connel View

VIEWPOINT : 2 - CONNEL VIEW, NEW CUMNOCK
GRID REFERENCE: E: 261877, N: 612591 ELEVATION: 210m AOD
DATE AND TIME OF CAPTURED PHOTOGRAPHY: 21/07/2021 17:47
CAMERA ELEVATION: 1.5-1.7m ABOVE GROUND LEVEL
DIRECTION OF VIEW: SOUTH WEST

VIEWPOINT : 2 **DWG NO : PW L/2**
TYPE 1: ANNOTATED VIEWPOINT - SPRING/SUMMER PHOTOGRAPHY
CAMERA: NIKON D750 LENS: 50MM ENLARGEMENT FACTOR: 96% AT A1
PROJECTION: CYLINDRICAL HORIZONTAL FIELD OF VIEW: 90°
CORRECT PRINT SIZE A1 VIEW AT COMFORTABLE ARM'S LENGTH

SLR global environmental solutions
PENCLOE WIND ENERGY LIMITED
PENCLOE WIND FARM ABNORMAL LOADS ACCESS TRACK LANDSCAPE AND VISUAL IMPACT ASSESSMENT
JOB NO. 405.09429.00004
DATE: JULY 2021 DRAWN:EW CHECKED:MJ APPROVED:MJ

VIEWPOINT : 2 - CONNEL VIEW, NEW CUMNOCK
GRID REFERENCE: E: 261877, N: 612591 ELEVATION: 210m AOD

DIRECTION OF VIEW: SOUTH WEST

VIEWPOINT : 2 **DWG NO : PW L/2**
TYPE 2 3D WIRELINE / MODEL

PROJECTION: CYLINDRICAL HORIZONTAL FIELD OF VIEW: 90°
CORRECT PRINT SIZE A1 VIEW AT COMFORTABLE ARM'S LENGTH

SLR global environmental solutions
PENCLOE WIND ENERGY LIMITED
PENCLOE WIND FARM ABNORMAL LOADS ACCESS TRACK LANDSCAPE AND VISUAL IMPACT ASSESSMENT
JOB NO. 405.09429.00004
DATE: JULY 2021 DRAWN:EW CHECKED:MJ APPROVED:MJ

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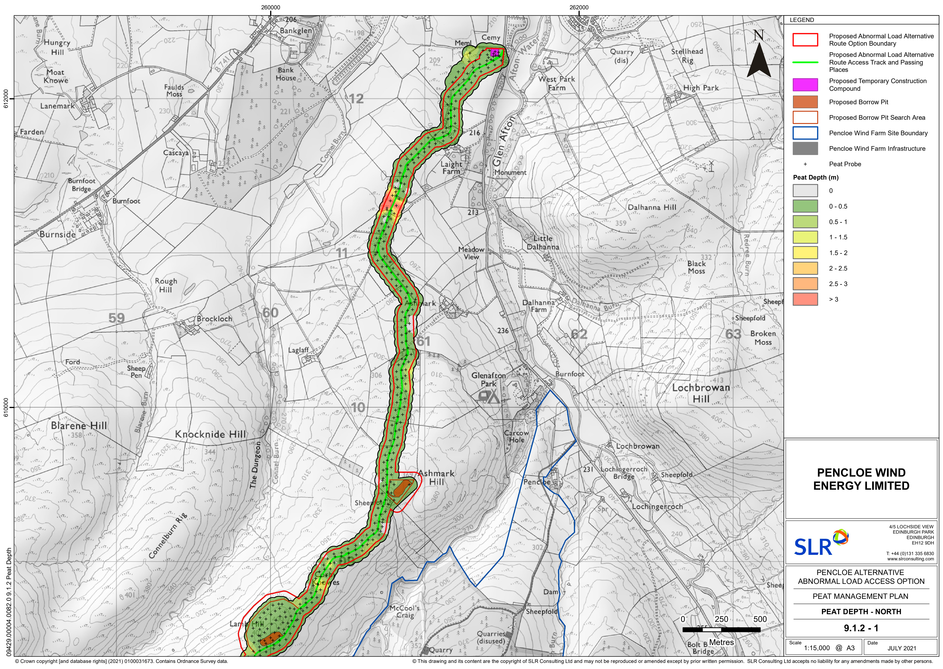
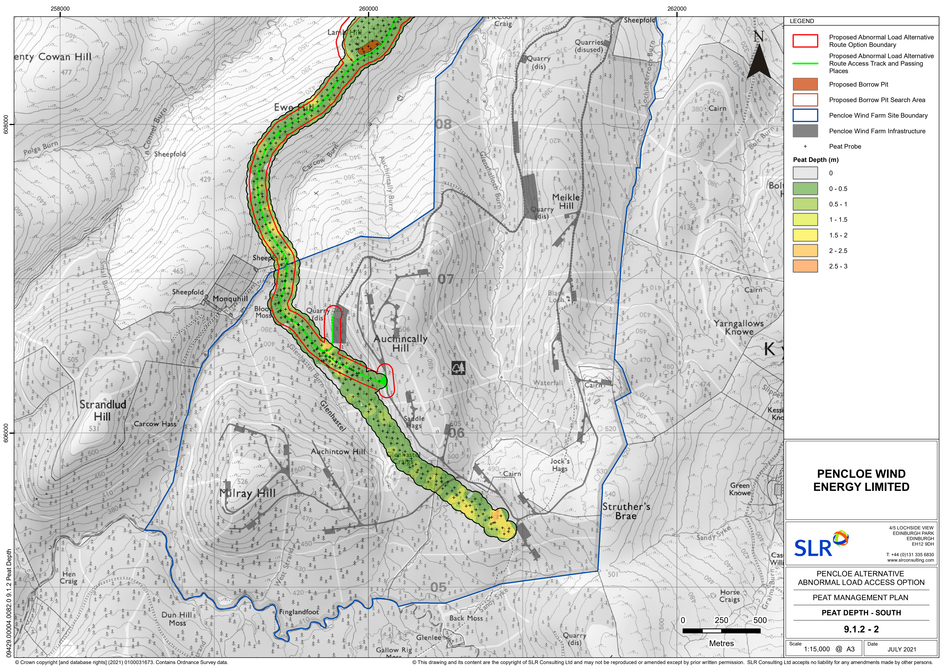
Baseline Peat Survey

Detailed peat probing surveys have been undertaken across the site to determine peat type, depth and condition to inform an assessment of peatland habitats. The depth of peat across the site is shown below:





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Our Commitment

Our work with the Neighbour Liaison Forum will help to ensure that:

- There is a designated point of contact for residents
- Residents are given advance notice of the construction schedule
- Any parking restrictions — or similar disruptions — are clearly communicated well in advance
- Vehicle movements during antisocial hours are clearly communicated well in advance

We are working with the Forum to develop a robust Construction Traffic Management Plan for Pencloe Wind Farm that will help to manage construction traffic impacts. Further consultation will also take place with New Cumnock Community Council.

We intend to use the Construction Traffic Management Plan to:

- Set limits on the speed of construction vehicles travelling on the Afton Road
- Ensure that vehicle movements only take place during agreed hours
- Establish a plan for the transport of abnormal loads, including the number and timings of deliveries
- Establish a plan for workers travelling to the site to minimise the number of private vehicles using the Afton Road
- Ensure that clear signage is in place
- Ensure that emergency vehicle access is maintained
- Put in place road maintenance measures
- Establish monitoring procedures so that any breaches of the Traffic Management Plan by construction contractors or workers can be swiftly addressed and sanctioned

Next Steps

We expect the application for the Abnormal Load Access to be submitted in the coming weeks to East Ayrshire Council and the project to be determined Autumn this year.

For further information about the proposed Alternative Abnormal Load Access Route, please visit www.pencloe.com.

Copies of the Information Day materials will be available via the project website, along with background information about the Pencloe Wind Farm development.

If you have any questions or for further information, please contact **jennifer.peltier@invictapa.co.uk** or call our Community Hotline on: **0141 212 7123**