Appendix 2b

Newsletter – March 2022
Exhibition Advertisement – March 2022
Public Exhibition content – March 2022
Sample Feedback Questionnaire – March 2022
Newsletter – June 2023
Exhibition Advertisement – June 2023
Public Exhibition Banners – June 2023
Sample Feedback Questionnaire – June 2023

MYNYDD MAEN WIND FARM

FEBRUARY 2022

RES is currently consulting on plans for a proposed wind farm wind farm at Mynydd Maen, between Cwmbran and Newbridge.

Environmental and technical surveys have been ongoing in recent months to ensure that the site is suitable for a wind farm development and to inform the layout and design.

RES is now at the stage of consulting with the local community on the proposal with the intention of submitting a planning application near the end of this year.

Visit www.mynyddmaen-windfarm.co.uk for more information.

Have your say

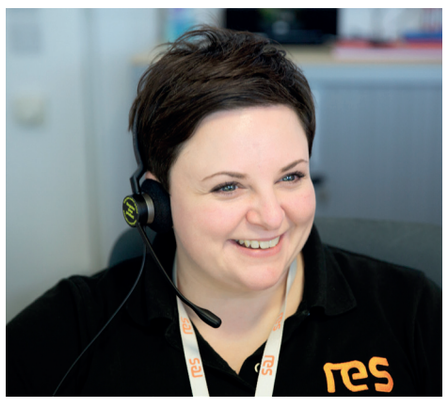
RES is committed to engaging early with the local community and key stakeholders to facilitate constructive consultation.

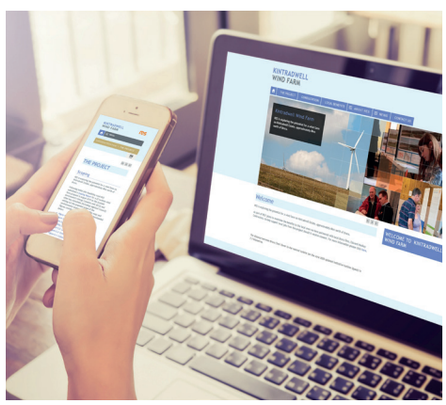
We will be holding an Online Public Exhibition on Tuesday 8th March, to inform the local community about the project and gather comments on the proposal. Hard copies of materials will be available upon request.

The online event will be hosted on the Mynydd Maen project website at www.mynyddmaen-windfarm.co.uk. Comments forms will be available on the website from the day of the exhibition. The online exhibition initiates a consultation period being run by RES to gather comments on the proposal. The closing date for comments is 1st April 2022.

RES will be offering individual telephone or video call appointments between 10am - 2pm and 4pm - 8pm, on the day, for anyone wishing to discuss the proposal further or ask specific questions. Appointments should be booked in advance.

To book an appointment, for further information or to submit comments on the proposal please contact Carey Green at carey.green@res-group.com or by calling 01872 226 931.





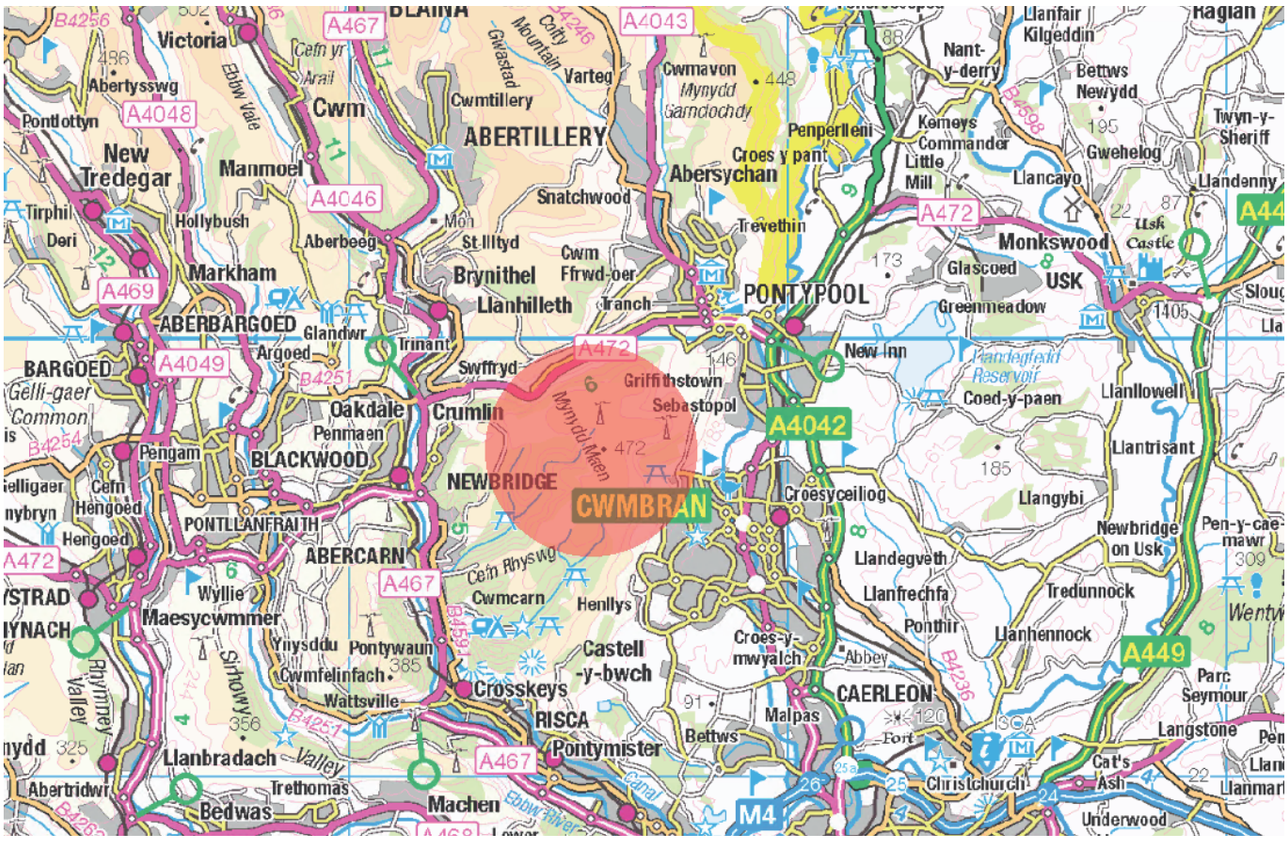
Please note that comments submitted to RES at the Online Public Exhibition are not representations to the determining authority (Planning and Environment Decisions Wales). There will be an opportunity to submit representations to the determining authority should a planning application be submitted.

Mynydd Maen Wind Farm at a glance

Based on initial studies, the wind farm proposal is for 15 turbines. It is anticipated that the site would be capable of generating up to 63 megawatts (MW) of clean, low cost, renewable electricity.

Location

The proposed Mynydd Maen Wind Farm is located approximately 1km west of Cwmbran and 2km east of Newbridge.



RES in Wales

RES is one of the world's leading independent renewable energy project developers with operations across Europe, the Americas and Asia-Pacific. At the forefront of renewable energy development for 40 years, RES has developed and/or built more than 22GW of renewable energy capacity worldwide.

RES has been active in Wales since the early 1990s, operating from offices in Cardiff. RES has developed and/or constructed six onshore wind farms here including Garreg Lwyd Hill Wind Farm in Powys, which generated £15 million investment into the Welsh economy, during the construction phase.

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If you require information in Braille, large text or audio, please let us know.

MYNYDD MAEN WIND FARM

Online Public Exhibition

power for good

RES is exploring the potential for a wind farm at Mynydd Maen, between Cwmbran and Newbridge.

We are holding an Online Public Exhibition on Tuesday 8th March, to inform the local community about the project and gather comments on the proposal. Hard copies of the exhibition materials will be available upon request.

The event will be hosted at www.mynyddmaen-windfarm.co.uk. Comments forms will be available on the website from the day of the exhibition. The online exhibition initiates a consultation period being run by RES to gather comments on the proposal. The closing date for comments is 1st April 2022.

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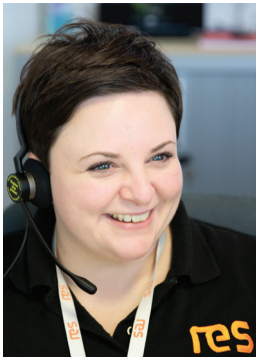


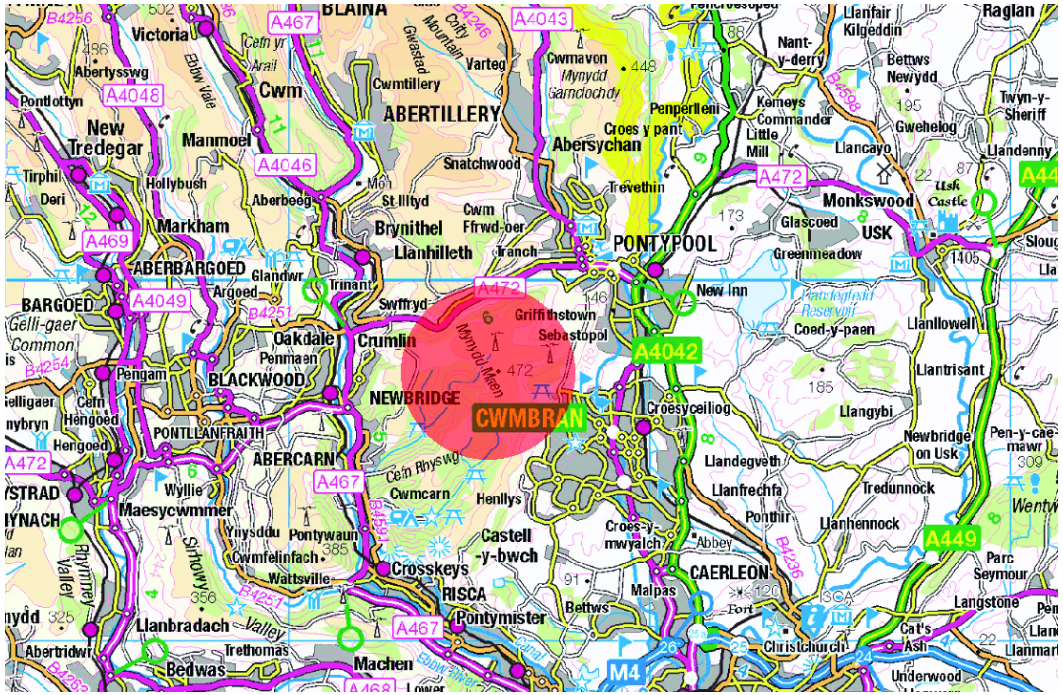
Please note that comments submitted to RES at the Online Public Exhibition are not representations to the determining authority (Planning and Environment Decisions Wales). There will be an opportunity to submit representations to the determining authority should a planning application be submitted.

Mynydd Maen Wind Farm

power for good

About the Project

- Located approximately 1km west of Cwmcarn and 2km east of Newbridge
- The proposed site lies within a Pre Assessed Area for Wind Energy identified in Future Wales: The National Plan 2040 published by Welsh Government in February 2021
- Environmental and technical surveys are underway in addition to consultation with relevant statutory bodies, stakeholders and the local community
- Designed to generate reliable, renewable electricity, whilst minimising local impacts and maximising local benefits wherever possible
- Capable of generating up to 63 megawatts (MW) of clean, green, low-cost renewable electricity
- Equivalent to the electricity usage of around 63,000[1] homes each year

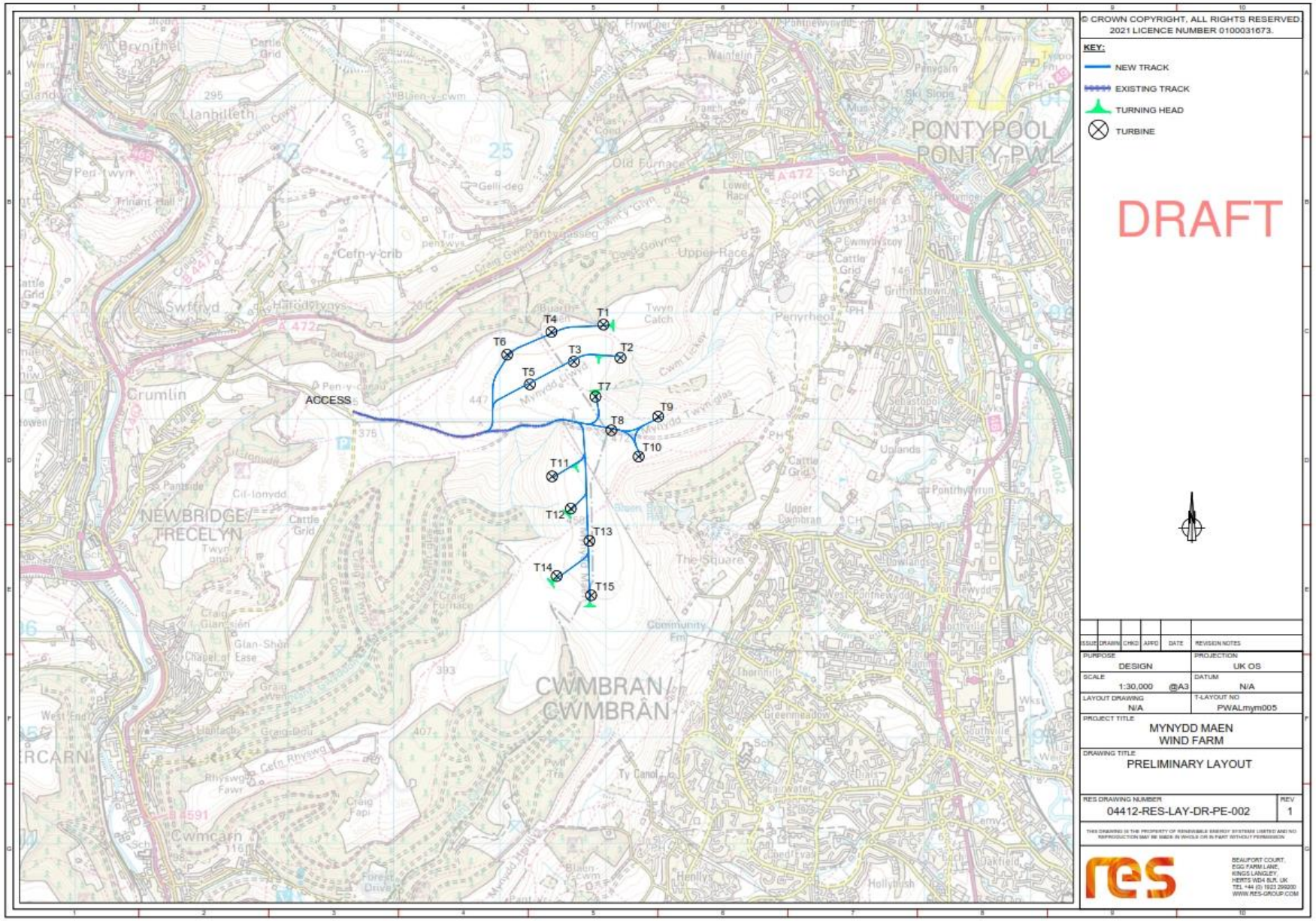


1 The homes figure has been calculated by taking the predicted annual electricity generation of the site (based on RES assessments Mynydd Maen has a predicted capacity factor of 41%) and dividing this by the annual average electricity figures from the Department of Business, Energy and Industrial Strategy (BEIS) showing that the annual UK average domestic household consumption is 3,578 kWh (Dec 2020).

Design Layout and Infrastructure

- The plan below shows the preliminary layout of the proposed turbines at Mynydd Maen.
- Early studies show an indicative layout of 15 turbines, however, this may change as design evolves.
- Turbine locations are designed around various constraints, including properties, slopes, watercourses, telecommunication links, sensitive habitats, overhead electricity lines and underground gas mains
- In addition to the wind turbines and foundations, the site infrastructure is expected to include:
  - a series of onsite tracks
  - a substation compound containing a control building and communications mast
  - a compound for energy storage
  - temporary construction compounds
  - Hardstand areas for erection cranes at each turbine location

Design Layout and Infrastructure



Environmental Considerations

- An Environmental Impact Assessment (EIA) is being undertaken to investigate any significant potential effects of the development on the environment and, where applicable, identify mitigation measures to eliminate or reduce potential effects.

- The EIA will include assessment of the following:

  - Ecology and Ornithology
  - Electro Magnetic Interference
  - Hydrology
  - Landscape and Visual
  - Archaeology and Cultural
  - HeritageTraffic
  - Transport
  - Socio-economics
  - Noise
  - Shadow Flicker

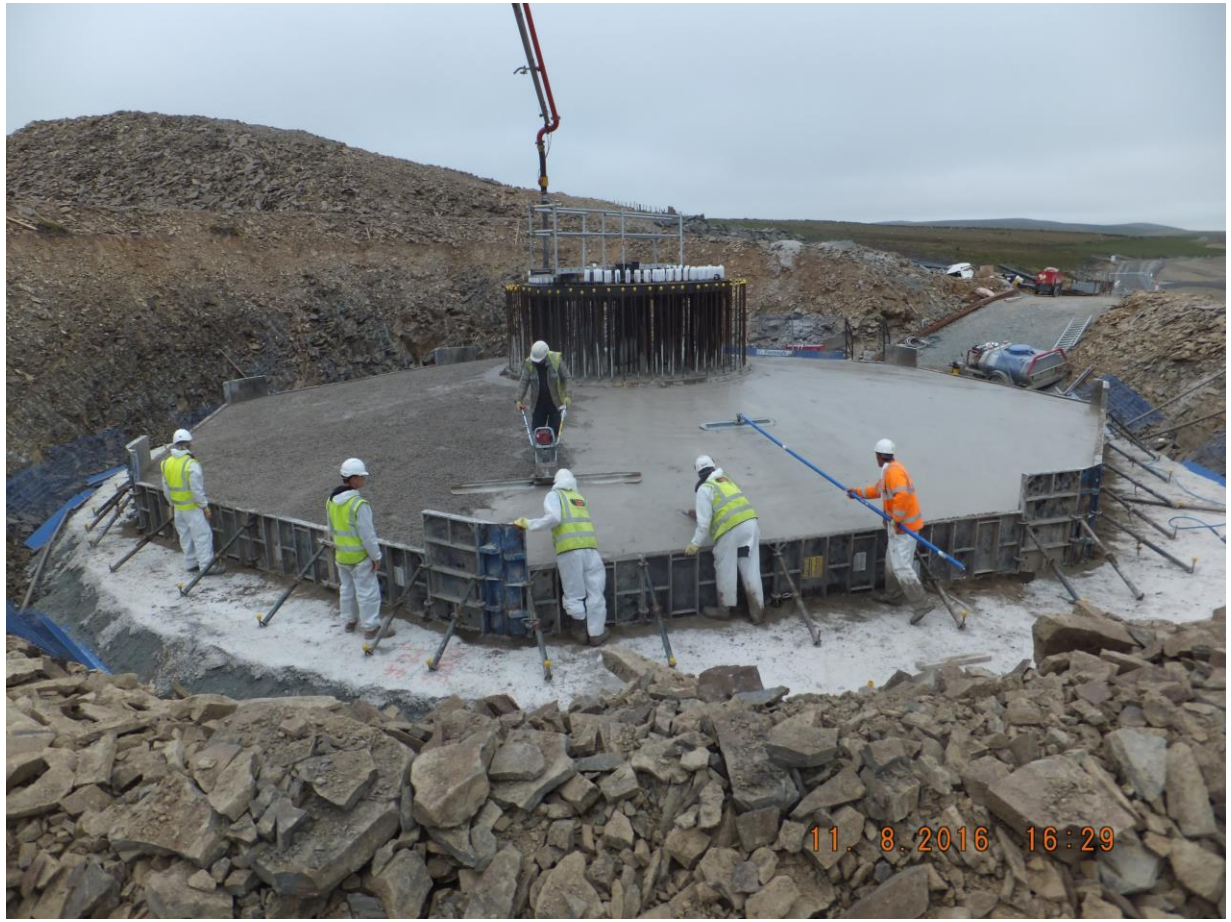
Supply Chain Opportunities

- RES has a strong track-record of working closely with the local supply chain around its projects and maximising inward investment opportunities wherever possible

- Mynydd Maen Wind Farm has the potential to deliver approximately £4 million to the local area in the form of jobs, employment, and the use of local services

- RES is keen to hear from local businesses who are interested in learning more about the opportunities associated with the construction and operation of this project. Please contact us for more information

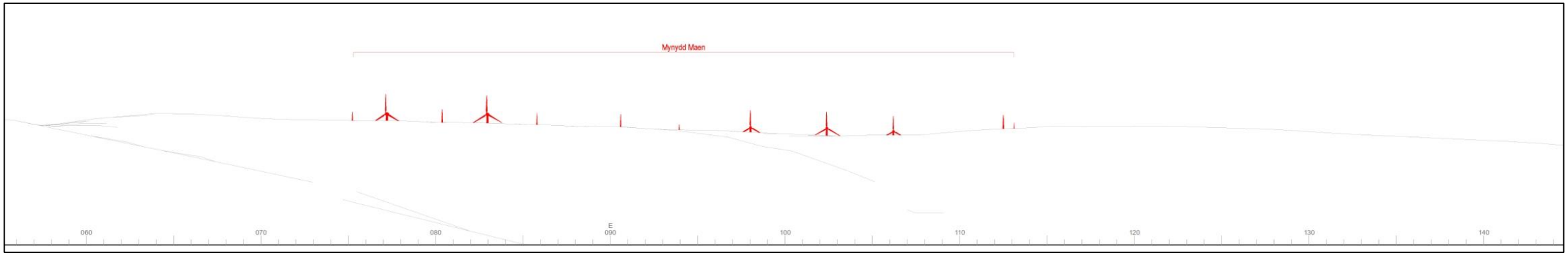
- During the construction of Garreg Lwyd Wind Farm, Powys, RES appointed a local civil engineering company, Jones Bros, resulting in the project generating some £15 million inward investment, all of which was spent within mid and North Wales with £3 million invested in the immediate Powys area. Over 21 further local companies, suppliers and accommodation providers were utilised, and the project also sustained employment for 95 people all of whom were from within 70 miles of the site. In addition, Jones Bros were able to add seven apprentices, to their annual training programme, as a direct result of the wind farm contract.



What Would the Wind Farm Look Like?

- We have produced indicative wirelines to help give an impression of what the wind farm could look like from a number of different viewpoints in the area.

- We have also produced an indicative Zone of Theoretical Visibility (ZTV) Map showing where the turbines could be visible from. Please note that this is based on bare land form without trees or buildings.



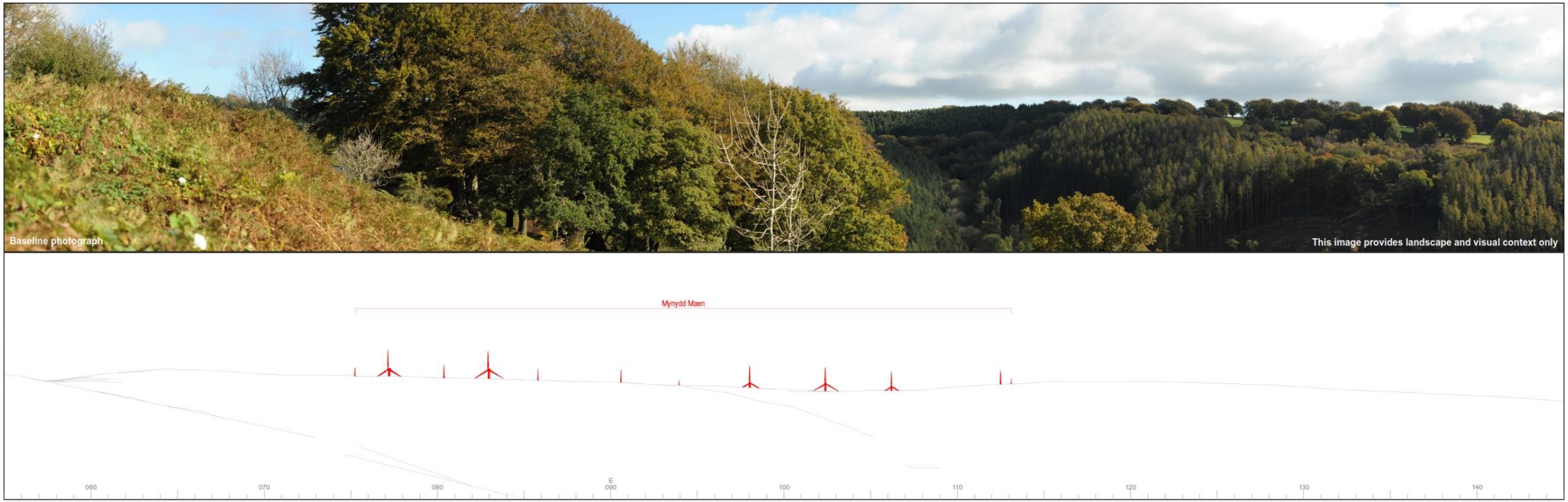
LUC

OS reference:	324194E 192608N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D700	Photography Date:	11/10/2020
AOD:	416 m	Principal distance:	522 mm	Lens:	50mm Fixed Focal Length	Photography Time:	10:55
Direction of view:	20°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m		
Nearest turbine:	4.08 km	Correct printed image size:	820 x 260 mm				

Notes:
The view horizon has been adjusted in these views to ensure full vertical visibility of turbines

Mynydd Maen Wind Farm

Viewpoint A1: Twmbarlwm Viewpoint



LUC

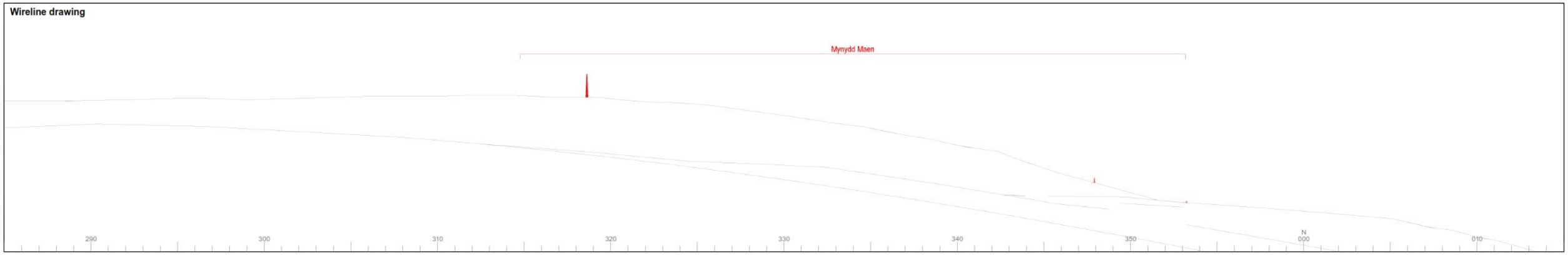
OS reference:	322113E 197933N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D700	Photography Date:	11/10/2020
AOD:	256 m	Principal distance:	522 mm	Lens:	50mm Fixed Focal Length	Photography Time:	12:15
Direction of view:	100°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m		
Nearest turbine:	3.02 km	Correct printed image size:	820 x 260 mm				

Notes:
The view horizon has been adjusted in these views to ensure full vertical visibility of turbines

Mynydd Maen Wind Farm

Viewpoint A2: Old Pant Road, Newbridge

Wireline drawing



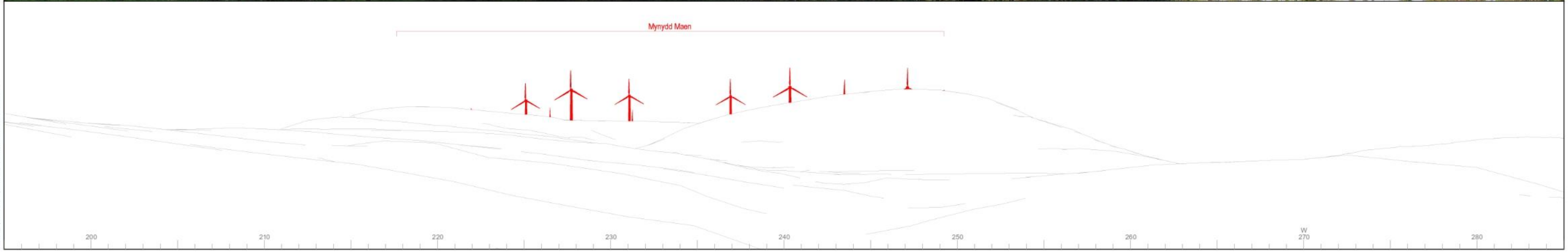
LUC

OS reference:	326822E 195239N	Horizontal field of view:	90° (cylindrical projection)
AOD:	222 m	Principal distance:	522 mm
Direction of view:	330°	Paper size:	841 x 297 mm (half A1)
Nearest turbine:	1.46 km	Correct printed image size:	820 x 260 mm

Notes:
The view horizon has been adjusted in these views to ensure full vertical visibility of turbines

Mynydd Maen Wind Farm

Viewpoint A3: Meadowside, Cwmbran



LUC

OS reference: 328716E 200045N
AOD: 165 m
Direction of view: 240°
Nearest turbine: 2.97 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Nikon D700
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

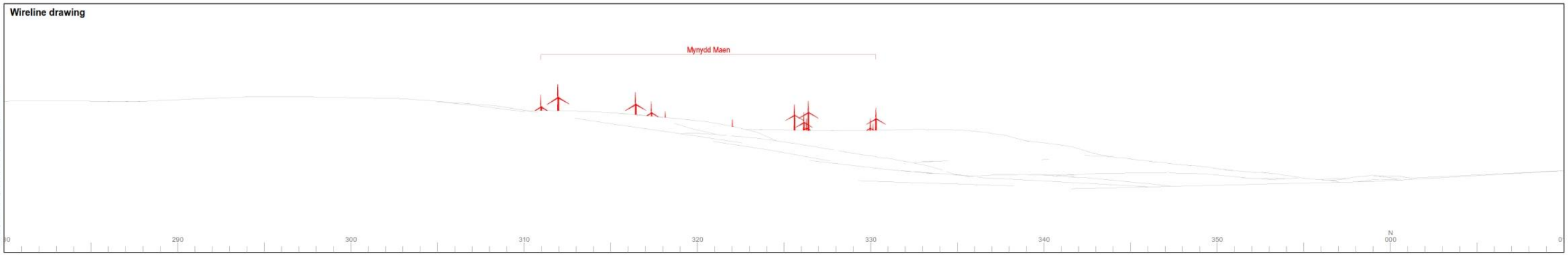
Photography Date: 11/10/2020
Photography Time: 09:05

Notes:
The view horizon has been adjusted in these views to ensure full vertical visibility of turbines

Mynydd Maen Wind Farm

Viewpoint A4: Prescoch Lane

Wireline drawing



LUC

OS reference: 329126E 193397N
AOD: 51 m
Direction of view: 325°
Nearest turbine: 4.39 km

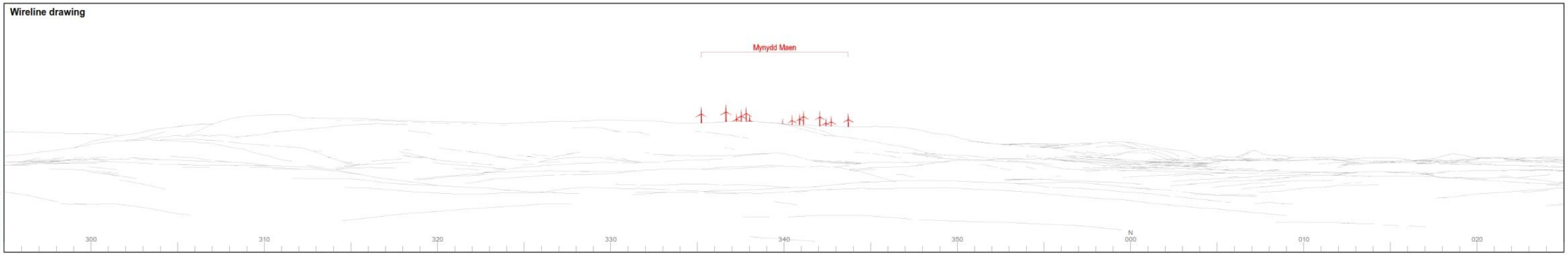
Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Notes:
The view horizon has been adjusted in these views to ensure full vertical visibility of turbines

Mynydd Maen Wind Farm

Viewpoint A7: Monmouthshire & Brecon Canal

Wireline drawing



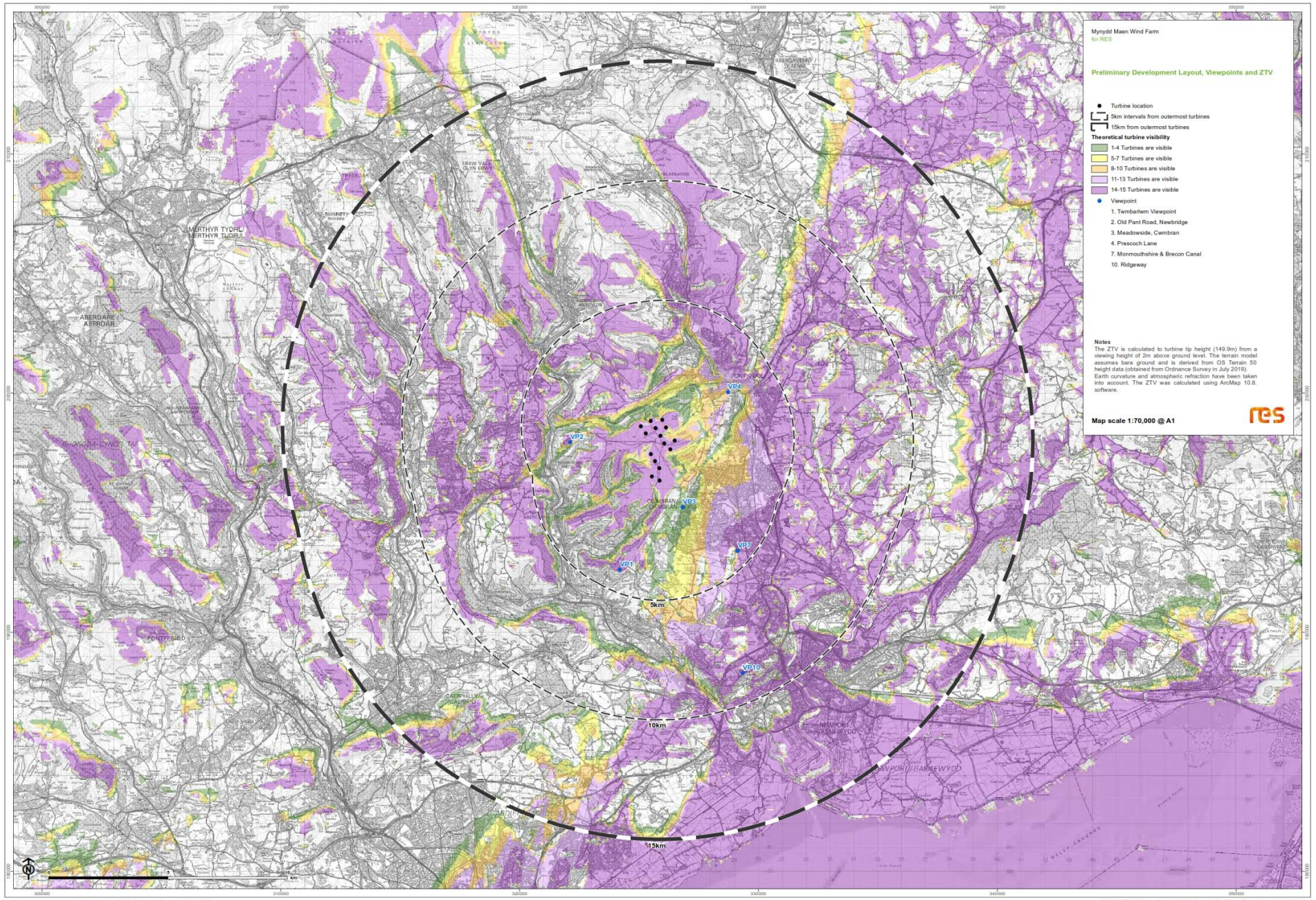
LUC

OS reference:	329337E 188278N	Horizontal field of view:	90° (cylindrical projection)
AOD:	104 m	Principal distance:	522 mm
Direction of view:	340°	Paper size:	841 x 297 mm (half A1)
Nearest turbine:	8.77 km	Correct printed image size:	820 x 260 mm

Notes:
The view horizon has been adjusted in these views to ensure full vertical visibility of turbines.

Mynydd Maen Wind Farm

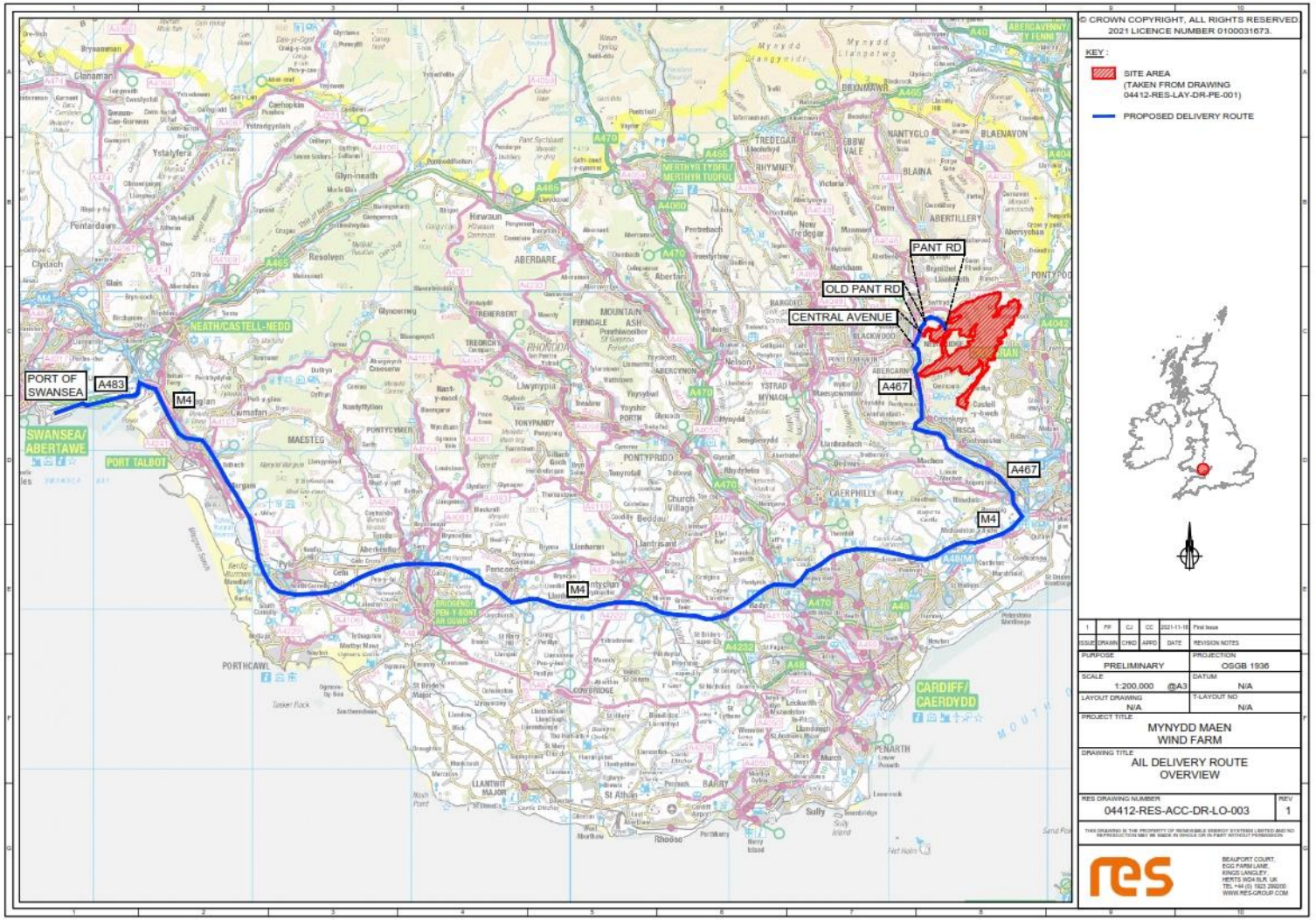
Viewpoint A10: Ridgeway



CB:RW EB:Willshear_R LUC MMFIGX_11253_ZTV_VP_A1LW1 24/02/2022

Traffic and Transport

- Access is one of the key considerations when selecting a potential wind farm site, particularly with regard to the turbine deliveries
- The preferred access point and turbine delivery route are shown on the map in the middle
- Over the next few months, we will consult with local authorities, the emergency services, the local community and other relevant bodies on our transport plans
- A transport assessment will be undertaken as part of the Environmental Impact Assessment (EIA) process and, if the wind farm is given consent, a detailed Traffic Management Plan will be agreed with the highways authorities and the police
- Wherever reasonably practicable we will use materials available on site and source construction materials locally in order to help reduce traffic movements.



Common Land

- The proposed wind farm is located solely on Common Land
- A secondary application will be submitted to deregister the area of common land on which the turbines, tracks and substation would be situated and to provide replacement land so that the overall area of common land is not reduced
- This application will be submitted at the same time as the wind farm application
- Engaging with Mynydd Maen Commoners Association
- Development and design of the wind farm will be carried out in consultation with users of the common to ensure the ongoing grazing and management of the common are supported

Why Wind?

- Urgent need to accelerate decarbonisation
- Tackling Climate Change by supporting Wales Energy Strategy, which has a target of Welsh renewables to generate electricity equal to 70% of Wales' consumption by 2030
- Enables us to generate our own electricity reducing reliance on imports
- Not subject to sudden price fluctuations or the uncertainty of global markets
- Renewable energy at lowest cost to the consumer[2]
- Free and inexhaustible resource which has an important role to play as part of a balanced energy mix

2 https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/911817/electricity-generation-cost-report-2020.pdf

Have Your Say

- Comments on the Mynydd Maen proposal should be provided in writing, a comments form is enclosed.

- The closing date for comments is Friday 1st April 2022. Comments will still be accepted after this date but may not be considered in relation to the design development.

- Please note that comments to RES at this time are not representations to the determining authority (Planning and Environment Decisions Wales - PEDW). There will be an opportunity to submit representations to PEDW should an application be made.

Mynydd Maen Wind Farm Proposal

Online Exhibition - Comments Form

RES believes in meaningful and productive consultation and we aim to engage early with the local community and key stakeholders in order to facilitate constructive consultation. This helps to identify issues and concerns, as well as benefits and opportunities, which we can then consider when developing the design of the proposal.

Feedback from the local community is an important part of our pre-application consultation and we would be grateful if you could take the time to fill out this comments form with your feedback. The closing date for comments is **1 April 2022**. Comments will still be accepted after this date but may not be considered in relation to the design development. Please note that any comments submitted to RES are not representations to the determining authority (Planning and Environment Decisions Wales) and that there will be an opportunity to submit representations to the determining authority should an application be made.

1.1 How did you find out about our online exhibition?

- ☐ Newsletter through the door
- ☐ Advert in local newspaper
- ☐ Project website – www.mynyddmaen-windfarm.co.uk
- ☐ Word of mouth
- ☐ Other (please specify)

☐

1.2 Before visiting the online exhibition how would you describe your knowledge of the proposed Mynydd Maen Wind Farm?

- ☐ Knew a lot
- ☐ Knew quite a lot
- ☐ Knew a little
- ☐ Knew very little
- ☐ Knew nothing at all

1.3 Having visited the online exhibition, to what extent do you feel you have increased your understanding about the proposed Mynydd Maen Wind Farm?

- ☐ A lot
- ☐ Quite a lot
- ☐ A little
- ☐ Very little
- ☐ Nothing at all

1.4 Do you have any suggestions for ways in which we could have improved our online exhibition?

2 Climate change and renewables

2.1 Do you agree that we are facing a global climate change emergency?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

If you disagree or strongly disagree please explain why:

2.2 Do you agree that generating electricity from renewable sources, and reducing our reliance on fossil fuels, can help towards tackling the issue of climate change?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

If you disagree or strongly disagree please explain why:

2.3 Do you agree that we need to develop onshore wind farms to help reduce our carbon emissions?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

If you disagree or strongly disagree please explain why:

3 Mynydd Maen Wind Farm Proposal

3.1 What do you think about the proposed design layout of Mynydd Maen Wind Farm?

- ☐ I am happy with proposed layout
- ☐ I am neutral towards to the proposed layout
- ☐ I have concerns about proposed layout
- ☐ I don't like wind farms in general

Further comments:

3.2 Please provide us with any further suggestions or comments regarding the design layout of the proposed Mynydd Maen Wind Farm

4 Local benefit

4.1 We firmly believe that wind farms should provide benefits locally and we are inviting input from the local communities on their priority projects and aims in the area, which we may be able to support. If you have any suggestions, please let us know in the box below.

5 Your details

Please provide your name and contact details below.

Your contact details will be treated by RES with the strictest of confidence, in line with the General Data Protection Regulations (GDPR) 2018. We may at times share your contact details, in confidence, with third parties who we employ to help process your comments or update you on the project and by providing your details below you consent to this. You may write to RES at any time to ask that your contact details be removed from our records and from any third parties we work with.

Name	
Email	
Address	

If you would like to be kept up to date with the project, please tick this box ☐

When you have completed the comments form, please send by email to carey.green@res-group.com or by post to: Mynydd Maen Wind Farm Project Team, Cedar House, Greenwood Close, Cardiff Gate Business Park, Cardiff, CF23 8RD.

Thank you for taking the time to complete this comments form, your feedback is important to us.

MYNYDD MAEN WIND FARM

JUNE 2023

power for good

Since our online exhibition in March 2022 where we presented our preliminary plans for a wind farm on land at Mynydd Maen, between Cwmbran and Newbridge, we have been refining the design in response to feedback received and ongoing surveys and assessments.

Public Exhibitions

As part of our ongoing consultation, we will be holding public exhibitions in the local area, to present and gather feedback on the updated plans for the wind farm. Members of the project team will be on hand to answer any questions or for further information.

Tuesday 20th June 2023

1pm to 6pm

Newbridge Memo
High Street, Newbridge,NP11 4FH

Wednesday 21st June 2023

2pm to 7pm

Mount Pleasant Community Hall
Mount Pleasant Road, Pontnewydd,
Cwmbran, NP44 1AN

All information provided at the public information day will also be available at **www.mynyddmaen-windfarm.co.uk from 20th June 2023.**

We welcome feedback on the updated plans and comment forms will be available at the public exhibitions. Comment forms will also be available on the website above from the day of the event and can be submitted via post or email to carey.green@res-group.com. Hard copies can be sent by post to RES, Cedar House, Greenwood Close, Cardiff Gate Business Park, Cardiff, CF23 8RD.

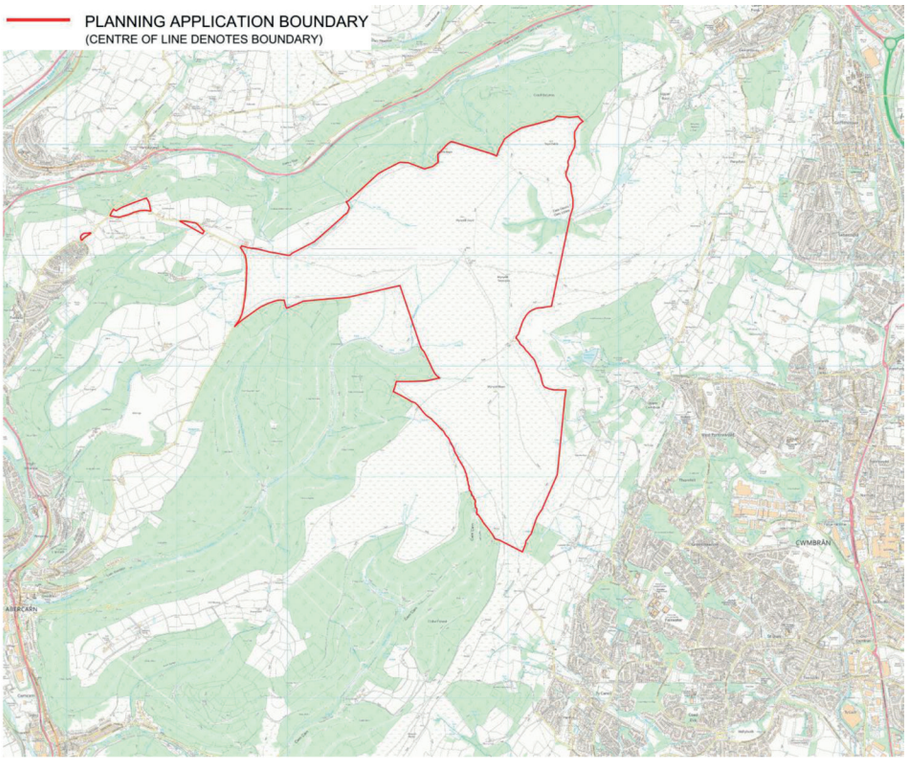
Please provide feedback by Friday 7th July 2023.

Comments will still be accepted after this date but may not be considered in relation to the design development.

Please note that comments submitted to RES at this time are not representations to the determining authority (Planning and Environment Decisions Wales). There will be an opportunity to submit representations to the determining authority should an application be made.

Mynydd Maen Wind Farm at a Glance

Based on the updated design, the wind farm proposal is for 13 turbines up to 149.9m tall. It is anticipated that the site would be capable of producing clean, low cost electricity for around 55,000[1] homes, making a positive contribution to the Wales Energy Strategy, which has a target of Welsh renewables to generate electricity equal to 70% of Wales' consumption by 2030.



The proposed Mynydd Maen Wind Farm is located approximately 1km west of Cwmbran and 2km east of Newbridge and lies within a Pre-Assessed Area for Wind Energy identified in Future Wales: The National Plan 2040 published by Welsh Government in February 2021. In Pre-Assessed Areas the Welsh Government has already modelled the likely impact on the landscape and has found them to be capable of accommodating renewable energy development in an acceptable way with a presumption in favour of large scale wind energy development.

RES in Wales

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RES has been active in Wales since the early 1990s, operating from offices in Cardiff. RES has developed and/or constructed six onshore wind farms here including Garreg Lwyd Hill Wind Farm in Powys, which generated £15 million investment into the Welsh economy, during the construction phase.

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If you require information in Braille, large text or audio, please let us know.

1. The homes figure has been calculated by taking the predicted annual electricity generation of the site (based on RES assessments Mynydd Maen has a predicted capacity factor of 41.7%) and dividing this by the annual average electricity figures from the Department of Business, Energy and Industrial Strategy (BEIS) showing that the annual UK average domestic household consumption is 3,509kWh (Dec 2022).

Jury is sworn in for Newport murder trial

A JURY has been sworn in for the trial of a man accused of murder in Newport last summer.

Andrew Southwood allegedly killed 51-year-old Carl Ball in the Duffryn area of the city on Friday August 19, 2022.

Fourteen jurors were sworn in yesterday morning ahead of his trial at Newport Crown Court.

They are due to be reduced to 12 this morning, when prosecutor Mark Cotter KC opens the case.

Defendant Southwood, aged 39, is from Chaffinch Way, Duffryn, Newport.

Mr Ball was found by Gwent Police officers outside a property in Heron Way.

The judge Mr Justice Martin Griffiths yesterday told jurors: "Tomorrow you are going to hear something about the facts of this case.

"And when that has happened, I'm going to give you a final opportunity to raise any problem that you may think there may be with you being a part of the jury in this case."

The trial is expected to last between three and four weeks.

PROBE: Police at the scene in Duffryn, Newport, where Carl Ball was found last summer

Weather warning

THE Met Office has warned of thunderstorms and other bad weather across Gwent this weekend.

Forecasters predict storms, "heavy rain" and hail for much of South Wales on Saturday afternoon and evening, June 10.

The Met Office has issued a yellow weather warning from 2pm-9pm that day. It covers a large part of Britain, from Manchester to the western edges of Wales, and as far as London.

Warnings include "a small chance homes and businesses could be flooded quickly, with damage to some buildings from floodwater, lightning strikes, hail or strong winds".

The Met Office also said "spray and sudden flooding could lead to difficult driving conditions and some road closures.

"Where flooding or lightning strikes occur, there is a chance of delays and possibly even cancellations to rail services," the agency added.

"There is a slight chance that power cuts could occur and other services to some homes and businesses could be temporarily lost."

Plans for city high school

Nicholas Thomas

THERE are hopes the opening of a new unit at a Newport high school will transform the education of current and future students with additional needs.

The city council is set to approve plans for a specialist centre for children with autism spectrum disorder (ASD) to open at Llanwern High School in September.

As well as benefitting pupils, the new unit will ease pressures on "oversubscribed" services at other high schools in Newport, and create new jobs for teachers and other staff.

It will also mean fewer city children with ASD have to travel further afield for their education.

The council said the new unit was necessary because of a rise in the number of children diagnosed with ASD.

"The identified needs of pupils in Newport schools shows that demand for places in ASD specialist provision is exceeding current provision available within the city," a council report read.

Llanwern High previously housed a unit for children who had emotional and behavioural difficulties, but its funding was axed six years ago and the handful of pupils it supported were transferred into mainstream education.

If the new ASD unit is approved, it will likely open in the same facility at Llanwern, described as a "secure, separate area of the school building" with its own entrance.

The council said Llanwern High was "one of the few schools in Newport with capacity to host this provision – the school is currently operating under its measured capacity and has been for several years".

The new unit will be a "20-place specialist base" for pupils with ASD, and the council estimates the running costs will be around £25,000 per student, or nearly £500,000 in total, annually.

But the council hopes the unit will actually save it money in the long run because "establishment of the base may reduce the need for out-of-county ASD placements" which have an estimated annual cost of £53,000 per student, excluding transport costs.

"Therefore, this proposal could deliver a potential cost avoidance," the council report read.

There is also the hope the unit will "reduce long-term pressure on the oversubscribed provision at The John Frost School and Ysgol Bryn Derw", according to the council's head of people, policy and transformation.

A new ASD unit could also "see an increase in numbers of staff, providing valuable job opportunities within the organisation for teaching and support staff", they added.

The council's cabinet member for education will make a decision on the ASD unit proposal next week.

CONTACT ME:

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@NThomasWales

Mynydd Maen Wind Farm Proposal

Comments Form

Since our online exhibition in March 2022 where we presented our preliminary plans for a wind farm on land at Mynydd Maen, between Cwmbran and Newbridge, we have been refining the design in response to feedback received and ongoing surveys and assessments.

We welcome feedback on the updated design, and we would be grateful if you could take the time to fill out this comments form with your feedback. **Please provide feedback by Friday 7th July 2023**. Comments will still be accepted after this date but may not be considered in relation to the design development.

Please note that comments submitted to RES at this time are not representations to the determining authority (Planning and Environment Decisions Wales). There will be an opportunity to submit representations to the determining authority should an application be made.

1 Mynydd Maen Wind Farm public exhibition

1.1 How did you find out about our public exhibition?

- ☐ Newsletter through the door
- ☐ Advert in local newspaper
- ☐ Project website – www.mynyddmaen-windfarm.co.uk
- ☐ Word of mouth
- ☐ Other (please specify)

☐

1.2 Before visiting the exhibition how would you describe your knowledge of the proposed Mynydd Maen Wind Farm?

- ☐ Knew a lot
- ☐ Knew quite a lot
- ☐ Knew a little
- ☐ Knew very little
- ☐ Knew nothing at all

1.3 Having visited the exhibition, to what extent do you feel you have increased your understanding about the proposed Mynydd Maen Wind Farm?

- ☐ A lot
- ☐ Quite a lot
- ☐ A little
- ☐ Very little
- ☐ Nothing at all

1.4 Do you have any suggestions for ways in which we could have improved our public exhibition?

2 Mynydd Maen Wind Farm Proposal

The updated design incorporates feedback from the community and the results of site surveys and assessments.

2.1 What do you think about the updated design layout of Mynydd Maen Wind Farm?

- ☐ I am happy with the proposed layout
- ☐ I am neutral towards the proposed layout
- ☐ I have concerns about the proposed layout
- ☐ I don't like wind farms in general

Further comments:

2.2 Please provide us with any other comments or suggestions regarding the proposed Mynydd Maen Wind Farm.

3 Local benefits

3.1 At RES we firmly believe that our renewable energy schemes should provide meaningful benefits locally and we are inviting input from the local communities on their priority aims and projects in their area which the project may be able to support. Examples could include supporting community assets, apprenticeships, fuel poverty schemes, etc.

4 Climate change, energy security and renewables

This section is designed to help us understand people's thoughts on how renewables can help to tackle climate change and improve energy security.

4.1 Do you agree that we are facing a global climate change emergency?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

Further comments:

4.2 Do you agree that generating electricity from renewable sources, and reducing our reliance on fossil fuels, can help towards tackling the issue of climate change?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

Further comments:

4.3 Do you agree that we need to develop onshore wind farms to support greater energy independence and security for Wales?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

Further comments:

4.4 Do you agree that we need to develop onshore wind farms to cut energy bills?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

Further comments:

5 Your details

Please provide your name and contact details below.

Your contact details will be treated by RES with the strictest of confidence, in line with the General Data Protection Regulations (GDPR) 2018. We may at times share your contact details, in confidence, with third parties who we employ to help process your comments or update you on the project and by providing your details below you consent to this. You may write to RES at any time to ask that your contact details be removed from our records and from any third parties we work with.

Name	
Email	
Address	

If you would like to be kept up to date with the project, please tick this box ☐

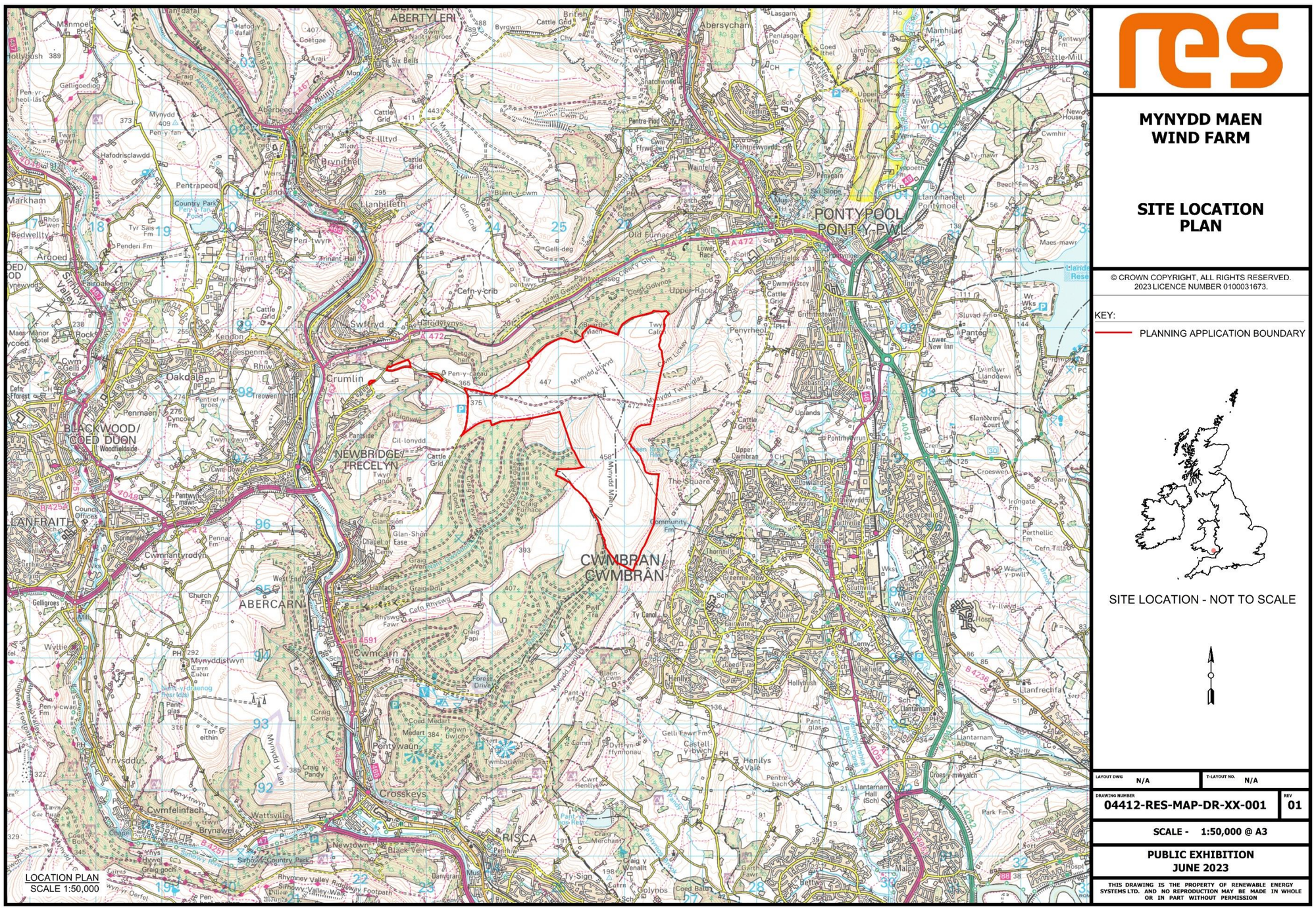
When you have completed the comments form, please send by email to carey.green@res-group.com or by post to: Mynydd Maen Wind Farm Project Team, RES, Cedar House, Greenwood Close, Cardiff Gate Business Park, Cardiff, CF23 8RD.

Thank you for taking the time to complete this comments form, your feedback is important to us.

MYNYDD MAEN WIND FARM
PROPOSAL

About the Project

RES is currently consulting on its plans for a proposed wind farm at Mynydd Maen, between Cwmbran and Newbridge.



The proposed site lies within a Pre-Assessed Area for Wind Energy identified in Future Wales: The National Plan 2040 published by Welsh Government in February 2021. In Pre-Assessed Areas the Welsh Government has already modelled the likely impact on the landscape and has found them to be capable of accommodating renewable energy development in an acceptable way with a presumption in favour of large-scale wind energy development.

It is anticipated that the site would be capable of generating up to 54.6MW of clean, low-cost electricity, enough to power around 55,000[1] homes. The project could make a positive contribution to the Wales Energy Strategy, which has a target of Welsh renewables to generate electricity equal to 70% of Wales' consumption by 2030.

1 The homes figure has been calculated by taking the predicted annual electricity generation of the site (based on RS assessments Mynydd Maen has a predicted capacity factor of 41.7%) and dividing this by the annual average electricity figures from the Department of Business, Energy and Industrial Strategy (BEIS) showing that the annual UK average domestic household consumption is 3,509kWh (Dec 2022).

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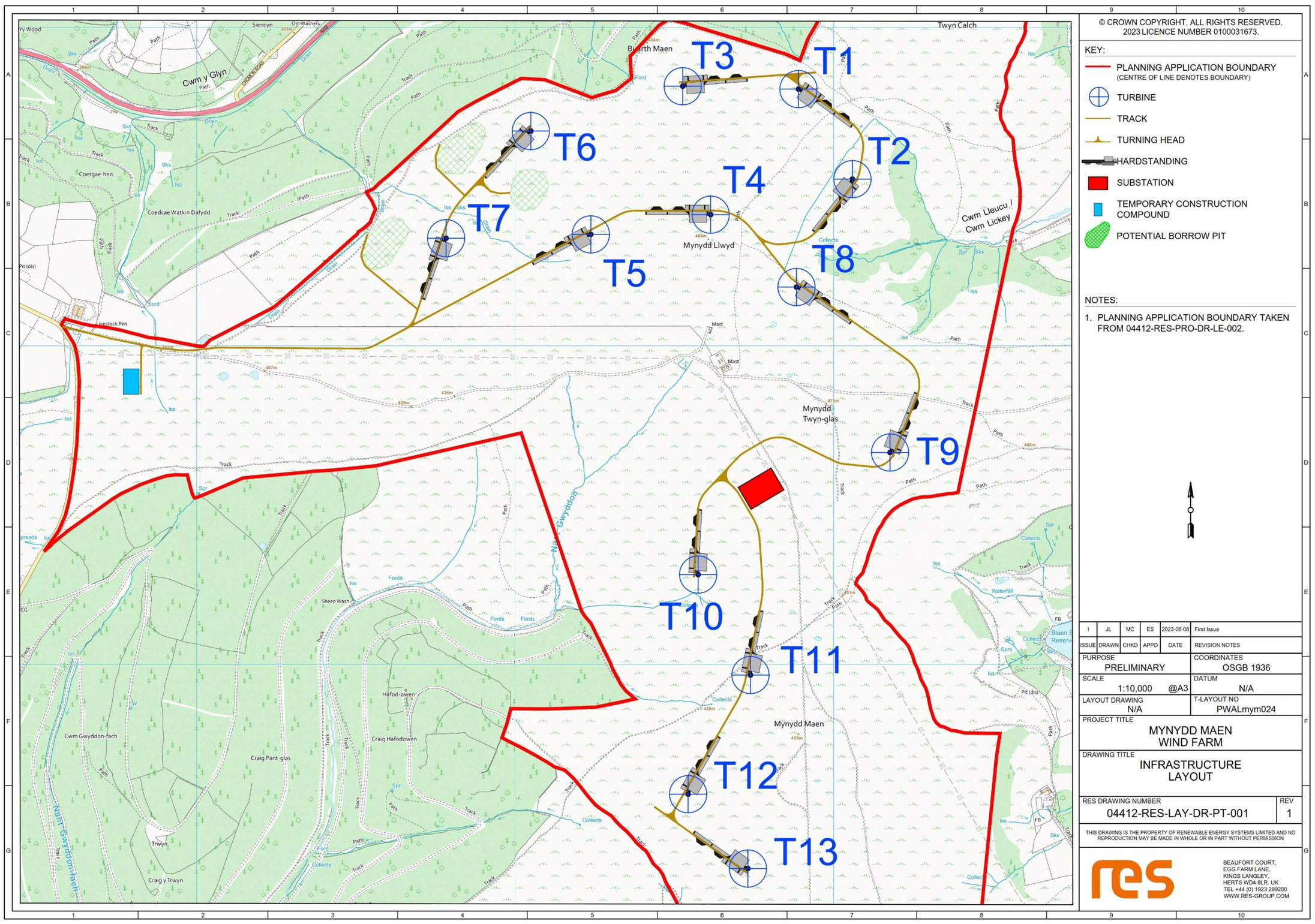
MYNYDD MAEN WIND FARM
PROPOSAL

Design Layout and Infrastructure

Over the past months we have been refining the design layout, taking into consideration feedback from the local community and stakeholders, as well as the results of site surveys and assessments. The updated proposal is for 13 turbines up to 149.9m tall. This is a reduction of 2 turbines as presented on our preliminary layout in March 2022.



The turbine locations are designed around various constraints, including proximity to properties, topography, watercourses, telecommunication links, sensitive habitats, overhead electricity lines and underground gas mains.

In addition to the wind turbines and foundations, the site infrastructure is expected to include:

- hardstand areas for erection cranes at each turbine location
- a series of onsite tracks and turning heads
- a substation compound containing a control building and communications mast
- a temporary construction compound

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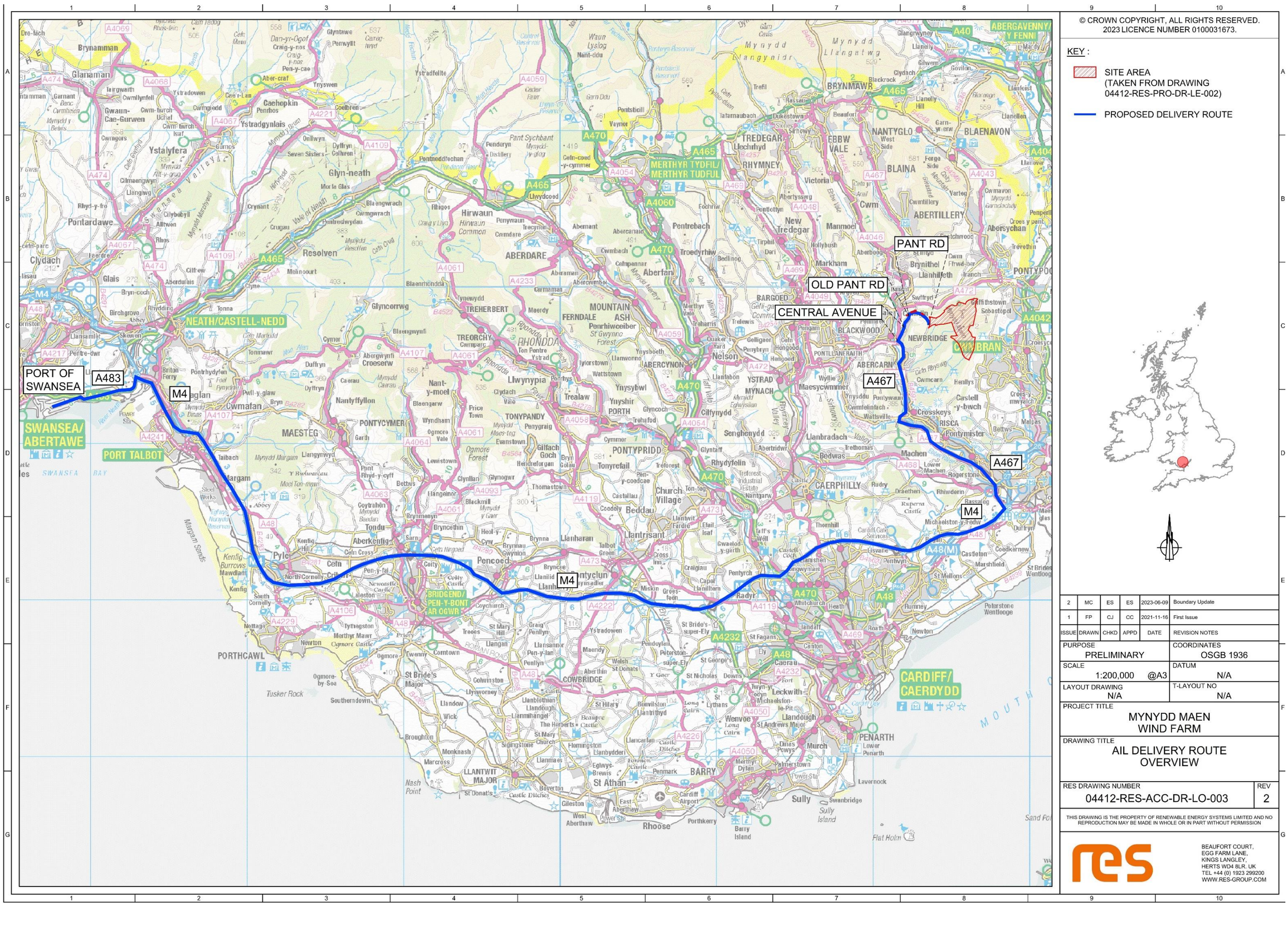
MYNYDD MAEN WIND FARM
PROPOSAL

Traffic and Transport

Turbine deliveries are a key phase in the construction of any wind farm. We have been undertaking swept path, pinch point and traffic volume analysis to assess route options and help minimise any potential impacts.

The preferred site access point and turbine delivery route are shown on the map below.



A transport assessment will be undertaken as part of the Environmental Impact Assessment (EIA) process and, if the wind farm is given consent, a detailed Traffic Management Plan will be agreed in consultation with local residents, the highways authorities and the police.

On the design layout and infrastructure board, the location of 3 potential borrow pits are shown. Using materials available on site and sourcing construction materials locally, where reasonably practicable, will help reduce traffic movements.

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MYNYDD MAEN WIND FARM
PROPOSAL

Environmental Considerations

An Environmental Impact Assessment (EIA) is being undertaken to investigate any significant potential effects of the development on the environment and, where applicable, identify mitigation measures to eliminate or reduce potential effects.

The EIA will include assessment of the following:

Ecology
We take the protection of the site and surrounding area's ecology seriously. The non-avian Ecology Impact Assessment will involve a range of studies including habitats, protected species, notable species (e.g. national and European Protected Species) and locally protected species.

Ornithology
Avoiding impacts on bird species, wherever possible, is an important factor in the design of the site. Baseline ornithological survey work has been undertaken for a minimum of two years, during breeding and non-breeding seasons to build our understanding of the species on site.

Electro Magnetic Interference
This section of the EIA assesses any potential television and telecommunications effects associated with the development.

Hydrology
The Hydrology Assessment will seek to identify sensitive water environment features, assessing potential impacts and proposing mitigation where required.

Landscape and Visual
The landscape and visual impact assessment considers the potential effects of the project on landscape character and visual amenity within a study area up to 15 km from the site. Several visualisations have been produced for this exhibition to help give an impression of what the proposal may look like from local viewpoints.

Archaeology and Cultural Heritage
The Cultural Heritage Impact Assessment will identify cultural heritage assets that may be subject to significant impacts, both on the site and within 5km of the proposed turbines.

Socio-economics
The Socio-economic chapter shows the result of analysis of the estimated quantifiable benefits of the construction and operational phases of the project - concentrating on employment, Gross Value Added and wages, as well as assessing fiscal and further benefits.

Noise
Noise is an important consideration, and the wind farm will be designed to comply with strict noise limits set by the Local Authorities should the project be granted consent.

Shadow Flicker
The Mynydd Maen Wind Farm proposal is being designed in a way that will minimise any potential for shadow flicker. Shadow flicker can be easily modelled and mitigated in a number of ways.

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MYNYDD MAEN WIND FARM
PROPOSAL

The need for onshore wind

Low-cost electricity

Onshore wind, together with large scale solar, is the cheapest form of electricity generation[1]. It can be deployed quickly and delivered at lower costs than offshore wind, hydro, marine technologies, and nuclear.

If consented, the Mynydd Maen Wind Farm scheme would be capable of generating enough clean, low-cost renewable electricity for approximately 55,000 homes[2] based on the current design presented at this exhibition. With the rising cost of living and climate change emergency, it is imperative that we deliver electricity efficiently and at the lowest cost to the consumer.

Energy security

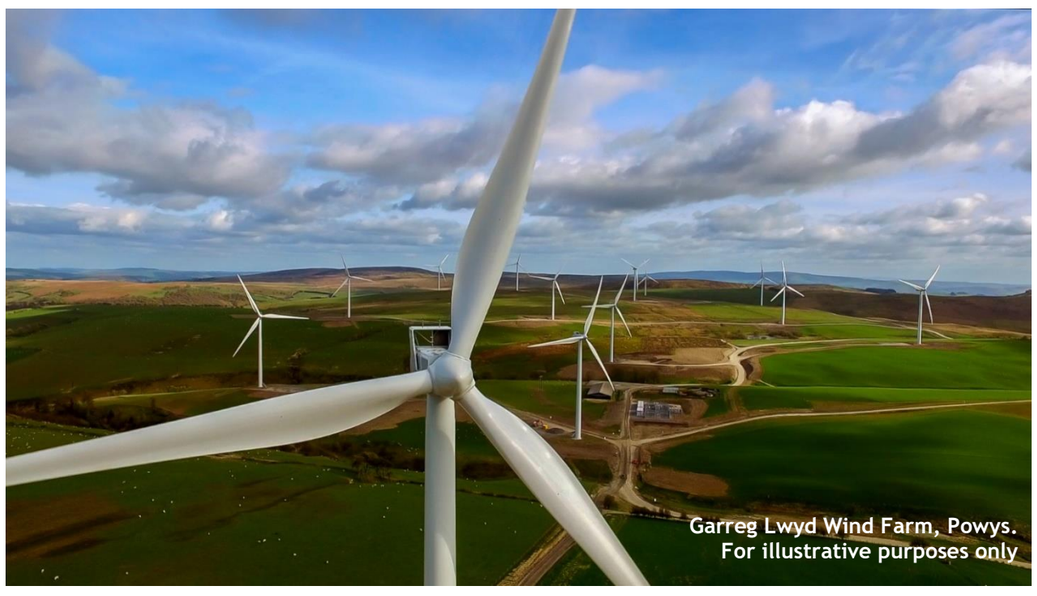
Wind energy is a free and inexhaustible resource which has an important role to play as part of a balanced energy mix. It increases energy security by reducing our reliance on imports and is not subject to sudden price fluctuations or the uncertainty of global markets.

Net zero carbon targets

Wales was the first country in the world to declare a climate emergency and has set out in law, its intention to achieve net zero by 2050, but has committed to continue to do all it can to get there sooner. The Wales Energy Strategy, has a target of Welsh renewables to generate electricity equal to 70% of Wales' consumption by 2030. Onshore wind will play an important role in helping achieve these targets.

Tackling climate change

Whilst temperature and weather patterns have naturally fluctuated throughout history, scientists now agree that there is "unequivocal evidence that Earth is warming at an unprecedented rate" not seen in the past 10,000 years and that "human activity is the principal cause."[3] Rapidly melting ice sheets, accelerated rises in sea levels and ocean warming, longer droughts, more frequent floods, wildfires and tropical storms are just some of the devastating effects of climate change seen across the globe which are affecting humans and other species.



Garreg Lwyd Wind Farm, Powys.
For illustrative purposes only

1 Electricity Generation Costs - Department for Business, Energy & Industrial Strategy, August 2020.

2 The homes figure has been calculated by taking the predicted annual electricity generation of the site (based on RES assessments Mynydd Maen has a predicted capacity factor of 41.7%) and dividing this by the annual average electricity figures from the Department of Business, Energy and Industrial Strategy (BEIS) showing that the annual UK average domestic household consumption is 3,509kWh (Dec 2022).

3 NASA (https://climate.nasa.gov/evidence/).

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MYNYDD MAEN WIND FARM
PROPOSAL

Working with the Local Supply Chain

RES has a strong track-record of working closely with the local supply chain around its projects and maximising inward investment opportunities wherever possible.

Mynydd Maen Wind Farm has the potential to deliver approximately £3.6 million to the local area in the form of jobs, employment, and the use of local services.

RES is keen to hear from local businesses who are interested in learning more about the opportunities associated with the construction and operation of this project. Please speak to a member of staff for more information.

Turbine deliveries at Garreg Lwyd Wind Farm, Powys.
For illustrative purposes only

During the construction of Garreg Lwyd Wind Farm, Powys, RES appointed a local civil engineering company, Jones Bros, resulting in the project generating some £15 million inward investment, all of which was spent within Mid and North Wales with £3 million invested in the immediate Powys area.

Over 21 further local companies, suppliers and accommodation providers were utilised, and the project also sustained employment for 95 people all of whom were from within 70 miles of the site.

In addition, Jones Bros were able to add seven apprentices, to their annual training programme, as a direct result of the wind farm contract.

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MYNYDD MAEN WIND FARM
PROPOSAL

About RES
The world's largest independent renewable energy company

RES has been at the forefront of wind energy development for over 40 years and delivered more than 23GW of renewable energy projects worldwide. We employ more than 2,500 passionate people across the globe and are active in 11 countries, working across onshore and offshore wind, solar, energy storage, green hydrogen, transmission and distribution.

Sustainability lies at the core of our business activity and values, and we have been leading efforts to create a future where everyone has access to affordable zero carbon energy. The 23GW of green energy that we have developed and/or constructed offsets more than 21 million tonnes of carbon every year.

RES in Wales

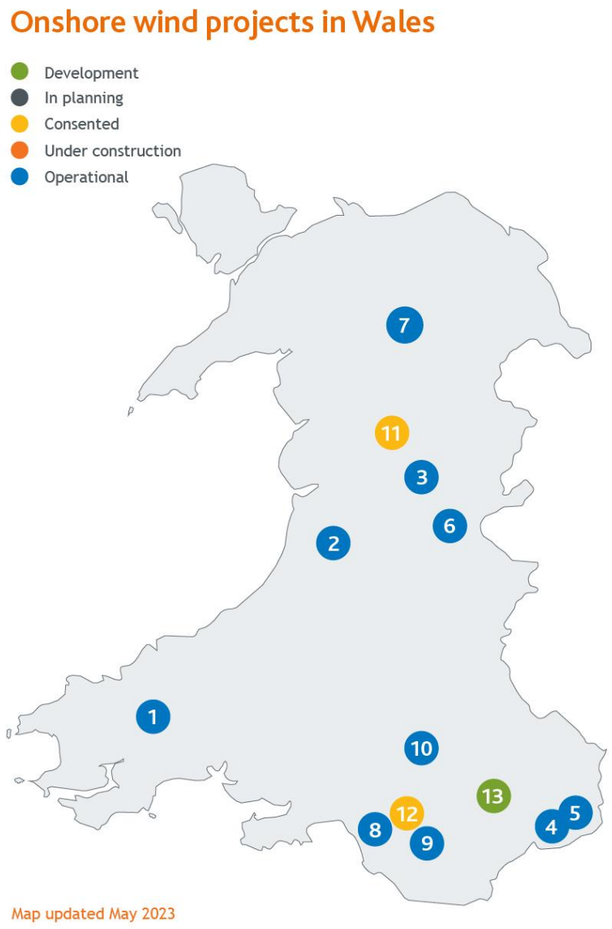
RES is a privately-owned company with a proud history in Wales. We grew out of Sir Robert McAlpine, a British family-owned firm with over 140 years of experience in construction and engineering.

RES has been active in Wales since the early 1990s, operating from offices in Cardiff.

RES has developed a range of projects across Wales including the 34MW Garreg Lwyd Hill Wind Farm in Powys, which generated £15 million investment into the Welsh economy, during the construction phase.

RES currently operates over 70MW of onshore wind and solar projects across Wales including the Pen Bryn Oer Wind Farm in Rhymney, Caerphilly.

Onshore wind projects in Wales



RES has developed and/or built and/or operates a range of projects across Wales including:

1 Dyffryn Brodyn
2 Rheidol
3 Mynydd Clogau
4 Longlands Farm
5 Great House Farm
6 Garreg Lwyd
7 Braich Ddu
8 Mynydd Brombil
9 Mynydd Portref
10 Pen Bryn Oer
11 Llanbrynmair
12 Upper Ogmore
13 Mynydd Maen

Map updated May 2023

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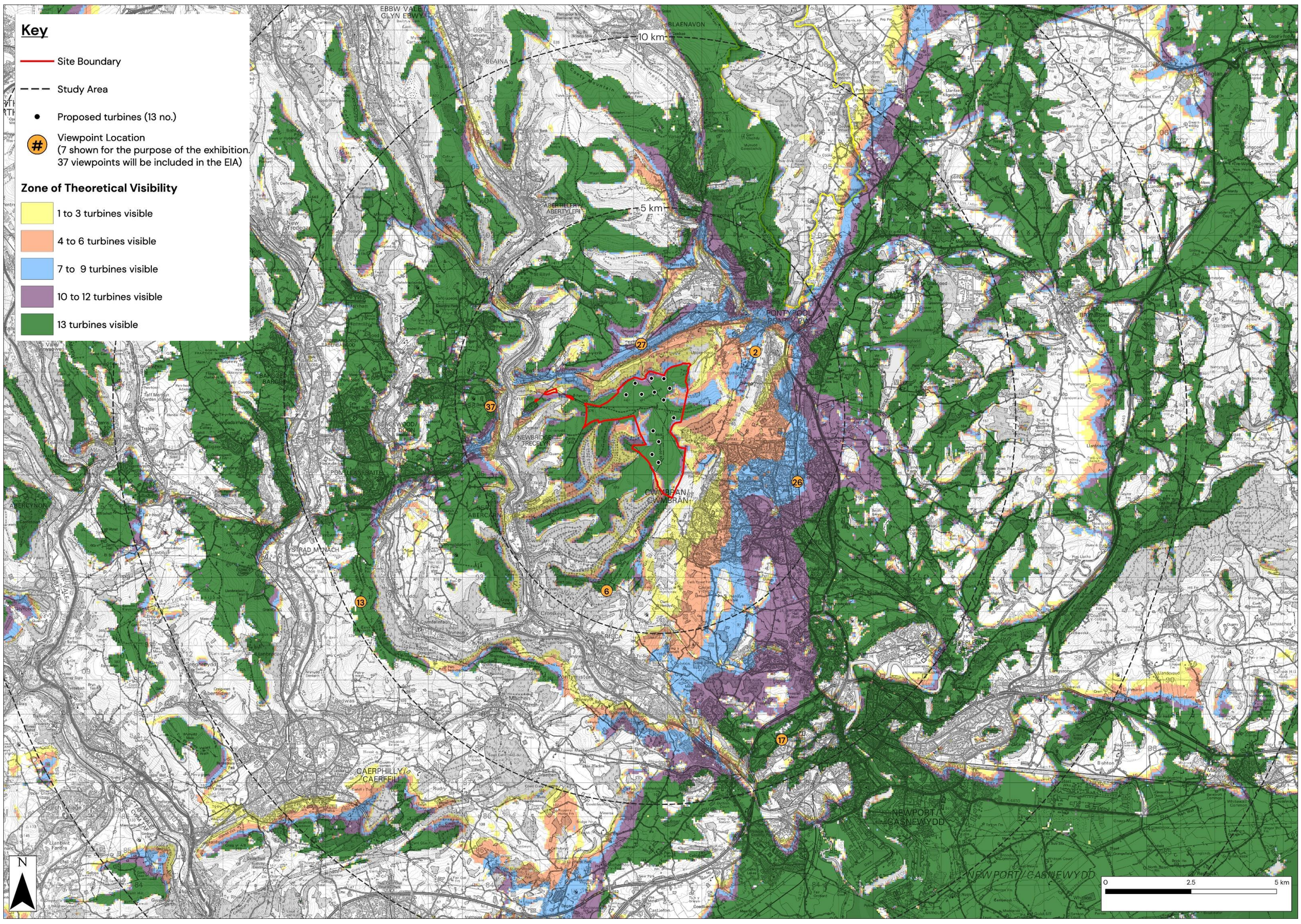
MYNYDD MAEN WIND FARM
PROPOSAL

Zone of Theoretical Visibility (ZTV)

The Zone of Theoretical Visibility (ZTV) map below illustrates the theoretical extent of where turbines will be visible from within the wider area, assuming 100% visibility and bare landform (without any trees, buildings or obstacles in the view).

This map serves as a tool to inform the Landscape and Visual Impact Assessment (LVIA). Landscape and visual considerations, including effects on residential visual amenity from the closest properties, will be carefully assessed and play a key role in the progression of the design.



Viewpoint	Location
2	Prescoch Lane
6	Twmbarlwm
13	Rhymney Valley Ridgeway Walk / Mynydd Bach
17	Ridgeway, Newport
26	Cwmbran Town centre (centre of Edlogan Way close to Cwmbran Station)
27	Pantygasseg
37	Royal Crescent, Treowen/ Treowen Park

MYNYDD MAEN WIND FARM
PROPOSAL

Your Views Count

We believe in meaningful and effective consultation.

The aims of our consultation process are to:

- Engage early with the local community to facilitate a constructive consultation process to help identify and understand concerns.
- Assist the local community in understanding the benefits and impacts of the proposed wind farm.
- Add value and improve the quality of our proposal through meaningful and productive consultation.

Before we submit a planning application, we will create a Pre-Application Consultation (PAC) Report, that documents the community engagement process and any steps we have taken to adapt our proposal.

At this stage we are inviting the local community to submit comments directly to RES. Once an application is submitted there will be the opportunity to submit representations to the determining Planning Authority.

Listening to what the local and wider community have to say about our proposals is an integral part of the consultation process and we welcome your comments and suggestions. We are keen to understand your views on the proposal and the information available at this exhibition. Please take a few minutes to fill out a comment form with your feedback.

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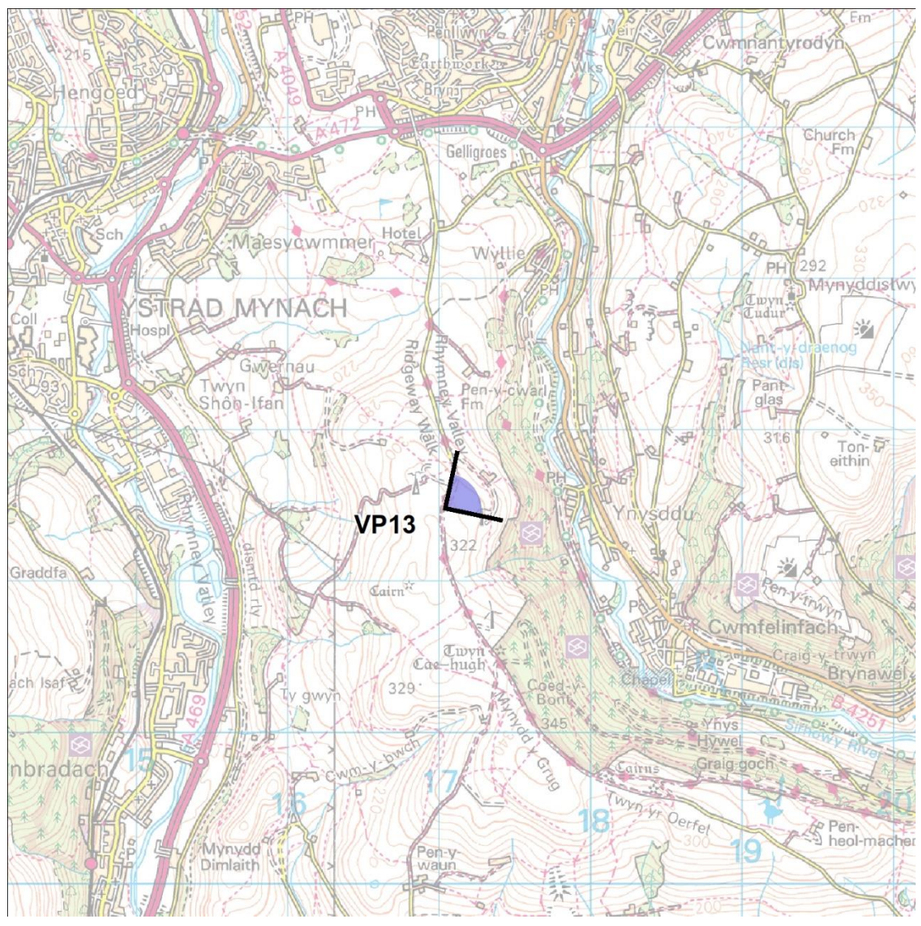
MYNYDD MAEN WIND FARM

VIEWPOINT 13

RHYMNEY VALLEY RIDGEWAY WALK/MYNYDD BACH

Viewpoint Location Plan



Existing View

Photomontage of Proposal

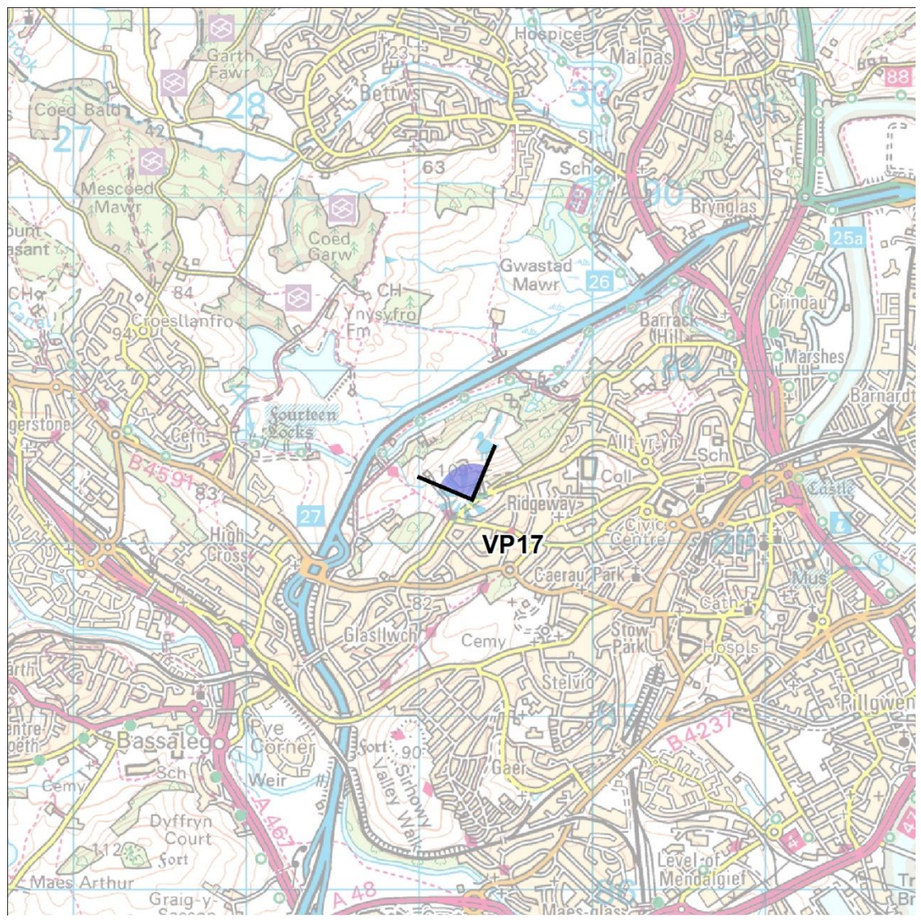
OS Reference	317027, 192471
Altitude	312.77m
Bearing to centre of photograph	56.9°
Nearest turbine	9.460 km - T12

MYNYDD MAEN WIND FARM

VIEWPOINT 17

RIDGEWAY, NEWPORT

Viewpoint Location Plan



Existing View

Photomontage of Proposal

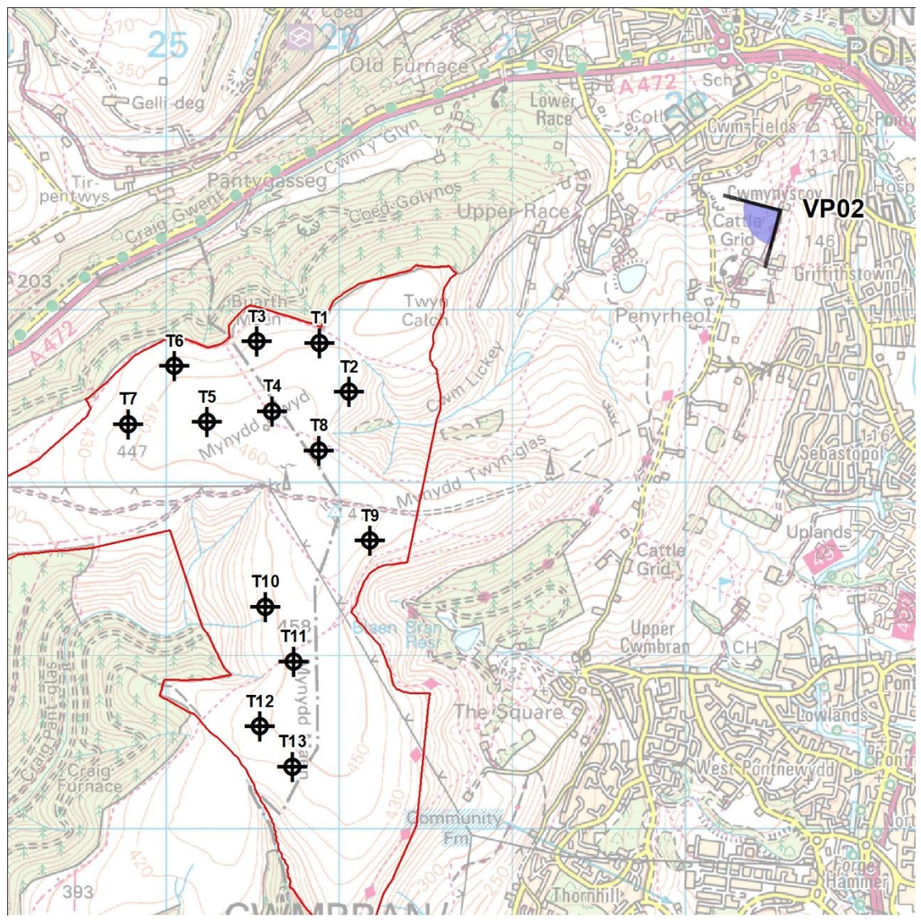
OS Reference	329311, 188245
Altitude	102.2m
Bearing to centre of photograph	337.82°
Nearest turbine	8.867 km - T13

MYNYDD MAEN WIND FARM

VIEWPOINT 2

PRESCOCH LANE, PENYRHEOL

Viewpoint Location Plan



Existing View

Photomontage of Proposal

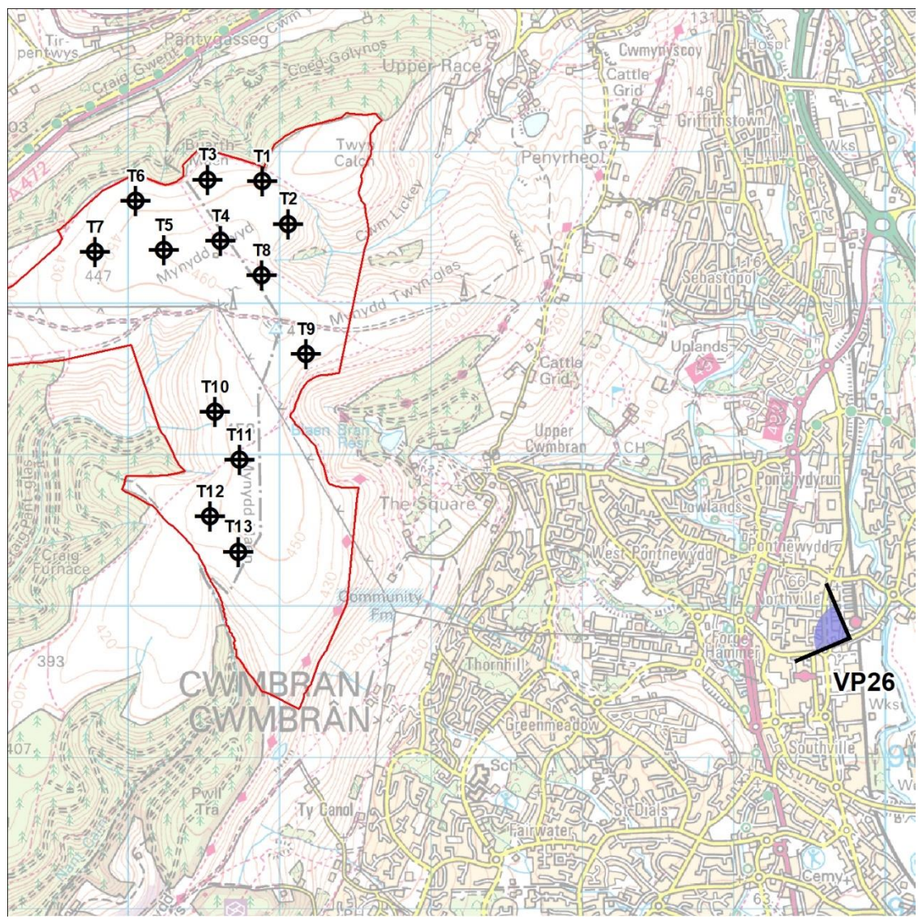
OS Reference	328552, 199578
Altitude	211.41m
Bearing to centre of photograph	241.3°
Nearest turbine	2.707 km - T2

MYNYDD MAEN WIND FARM

VIEWPOINT 26

CWMBRAN TOWN CENTRE

Viewpoint Location Plan



Existing View

Photomontage of Proposal

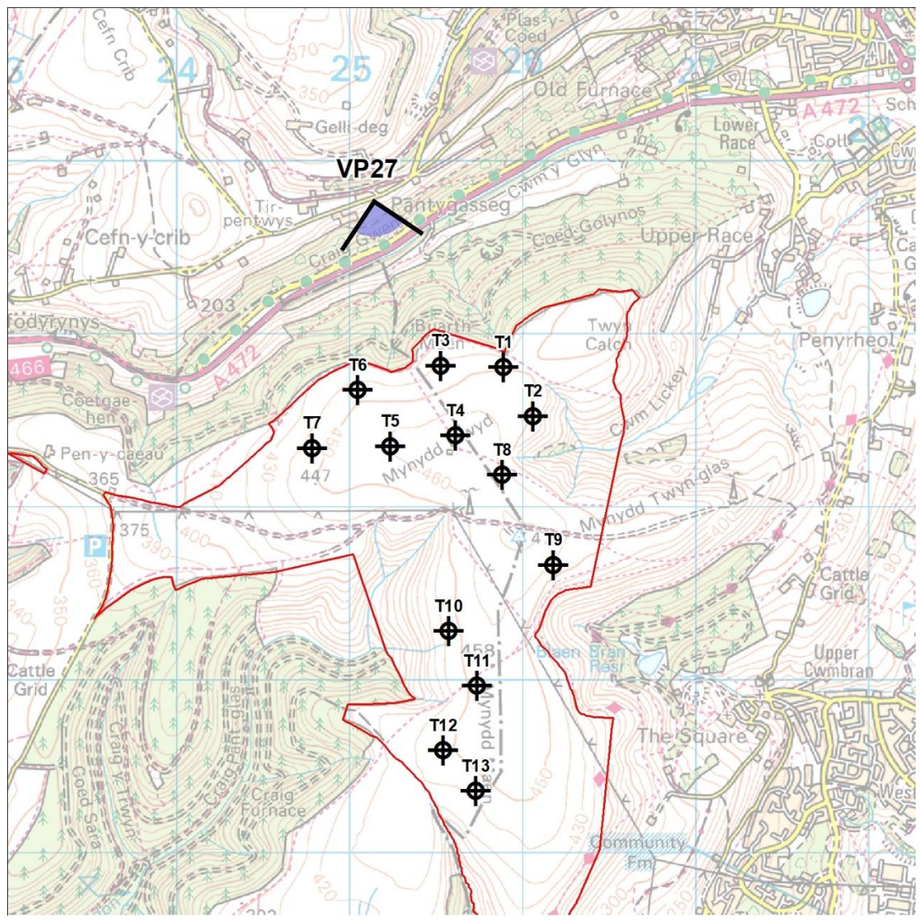
OS Reference	329777, 195784
Altitude	58m
Bearing to centre of photograph	291.86°
Nearest turbine	4.061 km - T9

MYNYDD MAEN WIND FARM

VIEWPOINT 27

PANTYGASSEG

Viewpoint Location Plan



Existing View

Photomontage of Proposal

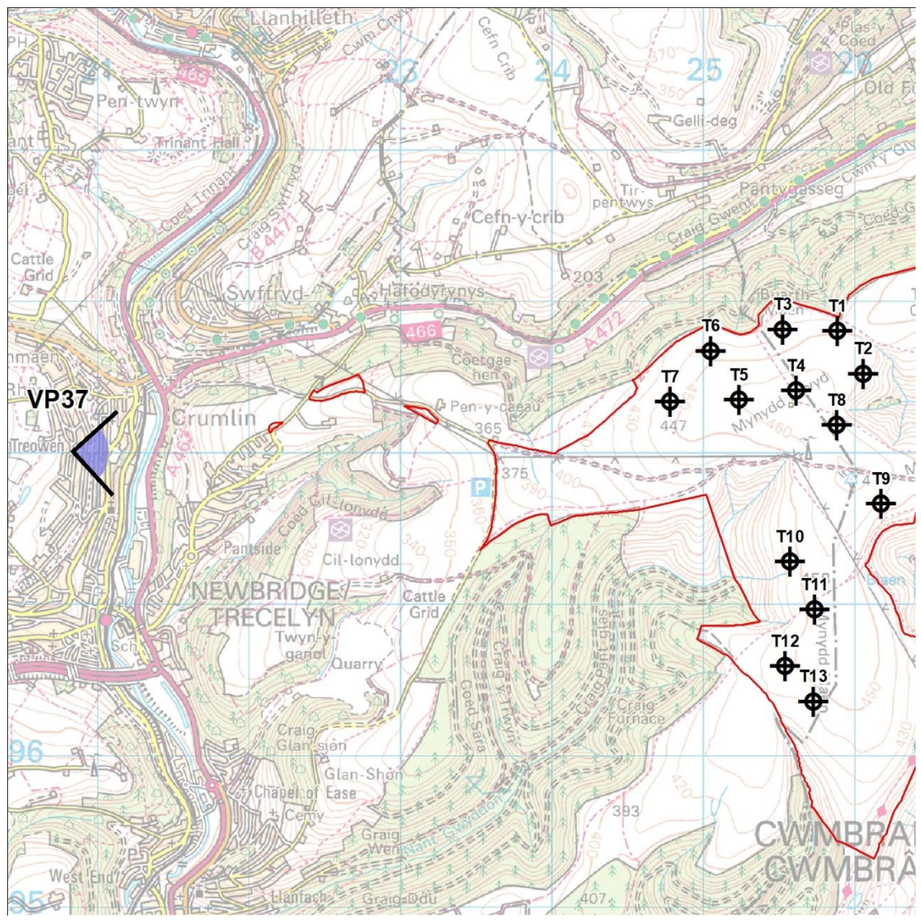
OS Reference	325141, 199780
Altitude	328.83m
Bearing to centre of photograph	168.6°
Nearest turbine	1.038 km T3

MYNYDD MAEN WIND FARM

VIEWPOINT 37

ROYAL CRESCENT, TREOWEN/TREOWEN PARK

Viewpoint Location Plan



Existing View

Photomontage of Proposal

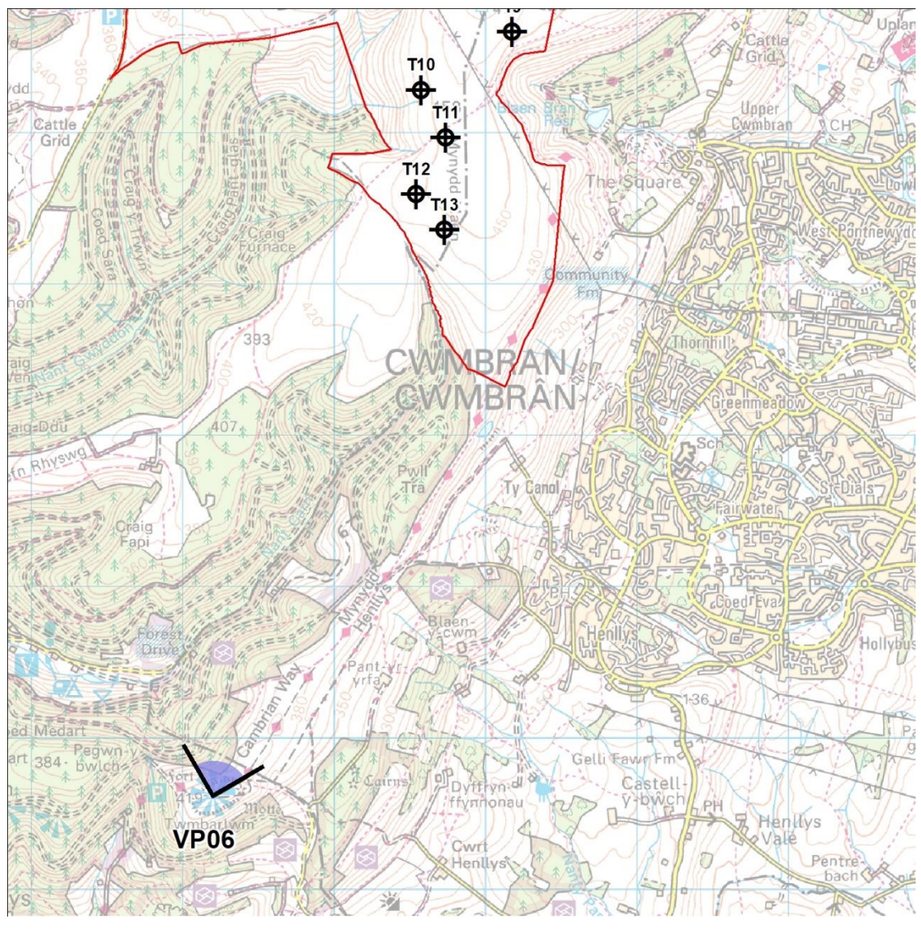
OS Reference	320825, 198007
Altitude	195.14m
Bearing to centre of photograph	92.75°
Nearest turbine	3.971 km - T7

MYNYDD MAEN WIND FARM

VIEWPOINT 6

TWMBARLWM HILL FORT

Viewpoint Location Plan



Existing View

Photomontage of Proposal

OS Reference	324198, 192605
Altitude	418.42m
Bearing to centre of photograph	15°
Nearest turbine	4.052 km – T13