

# Cil-lonydd Solar





CENIN is delighted to share its plans to develop Cil-lonydd Solar, an innovative renewable energy scheme that in addition to producing 35MW of clean, green energy will also bring a wide-range of benefits to the local community.

As society comes to terms with the immense challenges that both energy security and climate change brings, the need for innovative, integrated projects that deliver vital local economic and environmental benefits has never been greater, ensuring Caerphilly County Borough can meet its obligation to be a net carbon neutral authority by 2030.

Cil-lonydd Solar is an opportunity to generate power locally which can then be used in the local area. This not only increases our energy security but also addresses the cost of living crisis by keeping the cost of energy stable and affordable.

Renewable energy generation is now the most cost-effective way of producing energy and will become the main source of energy for households, industry, and transport.

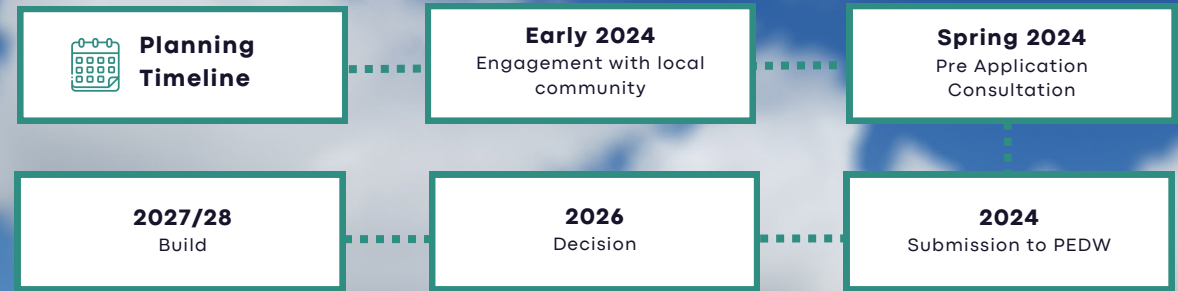
We are already in the new, global industrial era of the electric economy and this project will help ensure Caerphilly will be at the forefront of this.

We are committed to engaging with the local community and would invite any questions to be submitted via e-mail or using the 'Contact Us' section on the website.

Become a part of building a sustainable future in Caerphilly, powered by renewable, locally produced solar energy which in turn can provide sustainable local power.

**Martyn Popham**  
Director & Project Lead

To optimise utilisation of the grid network with the highest amount of clean electricity, we are sharing a grid connection with the nearby Mynydd Maen Wind Farm being developed by RES. Wind and solar power complement each other by hitting energy production peaks at different times of day, ensuring a consistent supply of renewable power.



## CENIN

Through our innovative approach to renewable energy provision, we unlock hidden green energy potential and utilise the earth's natural resources.

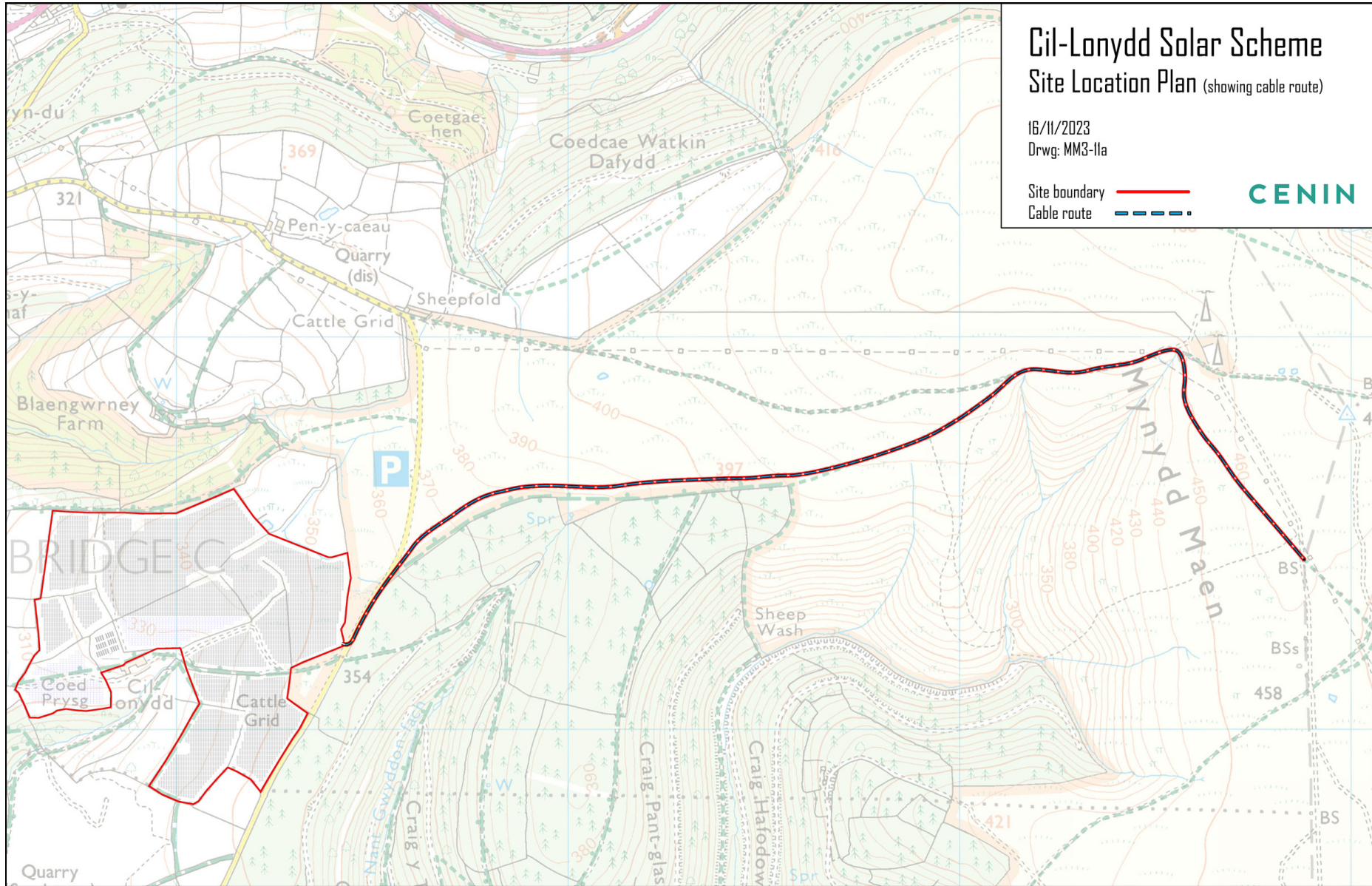
We respect the people we work with and the places they live, helping develop quality energy systems for local communities that increase wellbeing and add value for future generations by creating a sustainable world. In 2021, our work in sustainable development was recognised with CENIN being awarded the Queen's Award for Enterprise.

As part of the commitment we make to the communities in which we work, all of our projects aim to...

- Provide local energy generation creating economic benefit for the foreseeable future
- Provide annual educational visits for local schools and community groups to visit our sites, to explain how we help deliver the electric economy
- Offer all Year 6s from schools in the local area to visit our Parc Stormy HQ each year, for the life of the project – for free!
- Maintain access to the countryside for wellbeing, exercise and active travel
- Support local clubs and associations in the area
- Help create the 'Wales we want' for our future generations.

You can find more about our commitment to local communities by visiting our website or by contacting a member of the CENIN team.

# Site Map





# FAQs

## What are the benefits of having a Solar PV Farm?

Solar power is a low emission form of energy production, and the environmental impact of installation is negligible when compared to the impact of more conventional energy sources. Cil-lonydd Solar will supply electricity to the local distribution network and produce 35MW of electricity every year, that's the equivalent total power required for over 12,500 homes.

## Where will the solar farm be located?

Cil-lonydd Solar will be located on land to the east of Panside and south of Hafodyrynys, in between two areas of woodland. The site itself is agricultural land with a farmyard.

## Do solar panels produce noise?

No - solar panels contain no moving parts and thus produce no noise once installed.

## How will the solar farm benefit the local community?

Locally produced energy will feed directly into the local energy network, providing a stable, cost-effective source of power for Caerphilly and the surrounding area.

## Will there be any activity at night?

The site will be in complete darkness at night, with no security lighting.

## Will the project really cut carbon emissions?

This solar site will reduce the carbon emissions created in supplying Caerphilly's energy needs by around 15,000 tons of carbon every year, for the foreseeable future.

## Who is behind Cil-lonydd Solar?

Cil-lonydd Solar will be delivered by Bridgend Based company CENIN. Visit [www.cenin.co.uk](http://www.cenin.co.uk) to see some examples of our previous, ground-breaking work across Wales.

If you have any further questions or would like to be added to our subscribers list to receive future project updates, please e-mail [info@cil-lonyddsolar.co.uk](mailto:info@cil-lonyddsolar.co.uk)



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