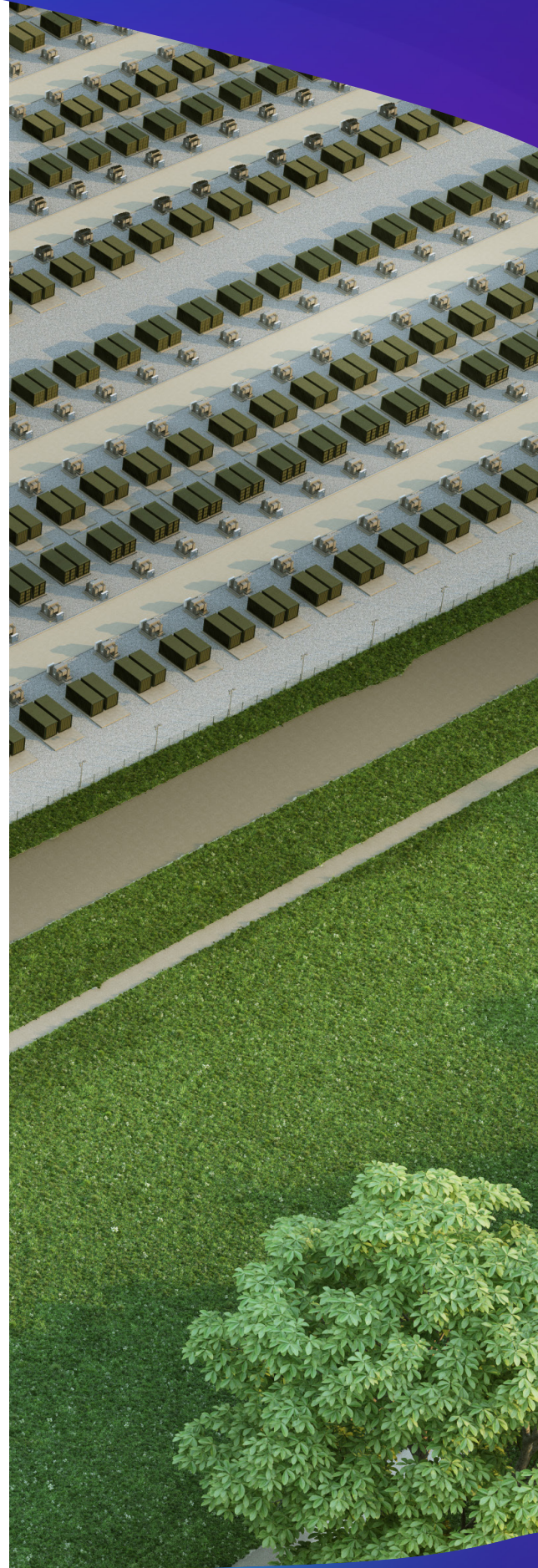


Cilfynydd Energy Centre

Community Consultation Event

Innova is proposing a 400 Megawatt (MW) Energy Storage System (ESS) located near Nelson, Caerphilly.

We would like to invite you to our Community Consultation Event to find out more about our plans for the project and to share your views.



Event details:

Date: 14th November 2024

Time: 3pm - 7pm

Location: Llechwen Hall Hotel,
Llanfabon,
Nelson,
Pontypridd,
CF37 4HP.

Cilfynydd Energy Centre

The Proposal

Innova is proposing a 400 Megawatt (MW) Energy Storage System (ESS) which, if constructed, would connect directly into the local electricity network and would store enough electricity to power 1,262,702 homes during times of peak demand.

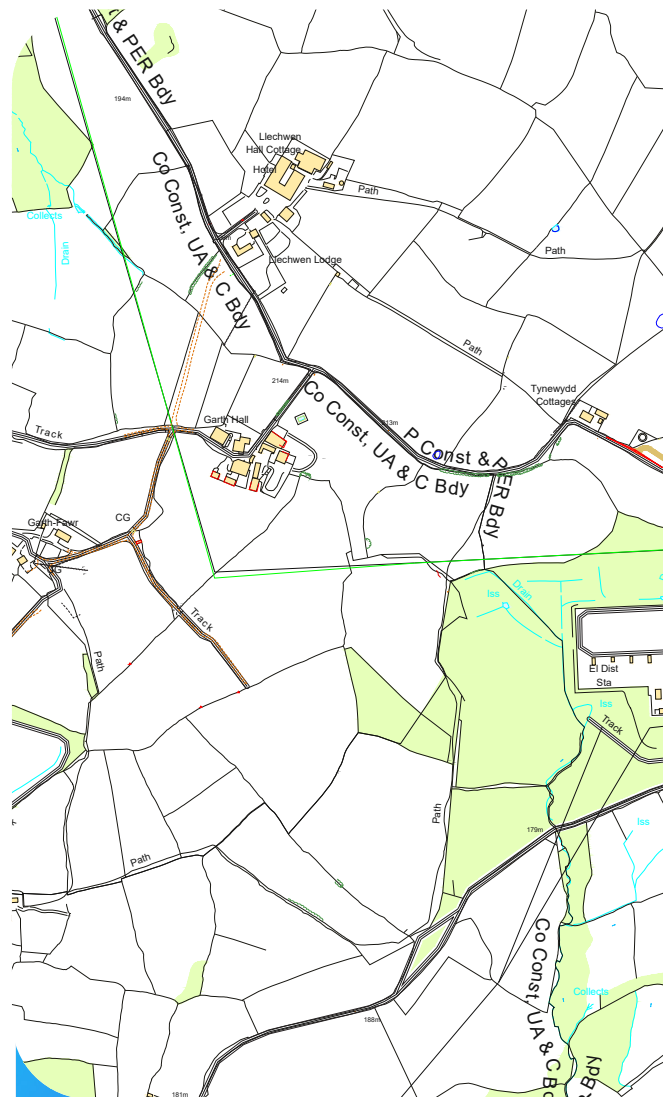
The site has been selected and designed via a detailed assessment process, which has included a suite of land, grid, and environmental surveys.

Construction

The proposal comprises energy storage units which will be distributed across the site in pairs, each with an associated transformer and inverter. Groups of ESS units will then be connected into a 33/132kV transformer which then feed electricity to the on-site 400kV substation, for export into the National Grid. The proposal will be connected to the Cilfynydd National Grid substation via an underground cable.

If approved, construction would begin in 2026 and would be expected to take 24 months. A site access survey has been prepared and will be included in the planning submission. This has found that the best route for vehicles to access the site is via Llanfabon Road and National Road. The site would be operational for a period of 40 years, after which it would be dismantled and the land restored to agricultural use.

Existing mature trees and hedgerows surround the site which will be retained where possible to provide screening. Landscape enhancements will also be delivered to further screen the development and provide an opportunity to deliver significant Biodiversity Net Gain on site.



400MW

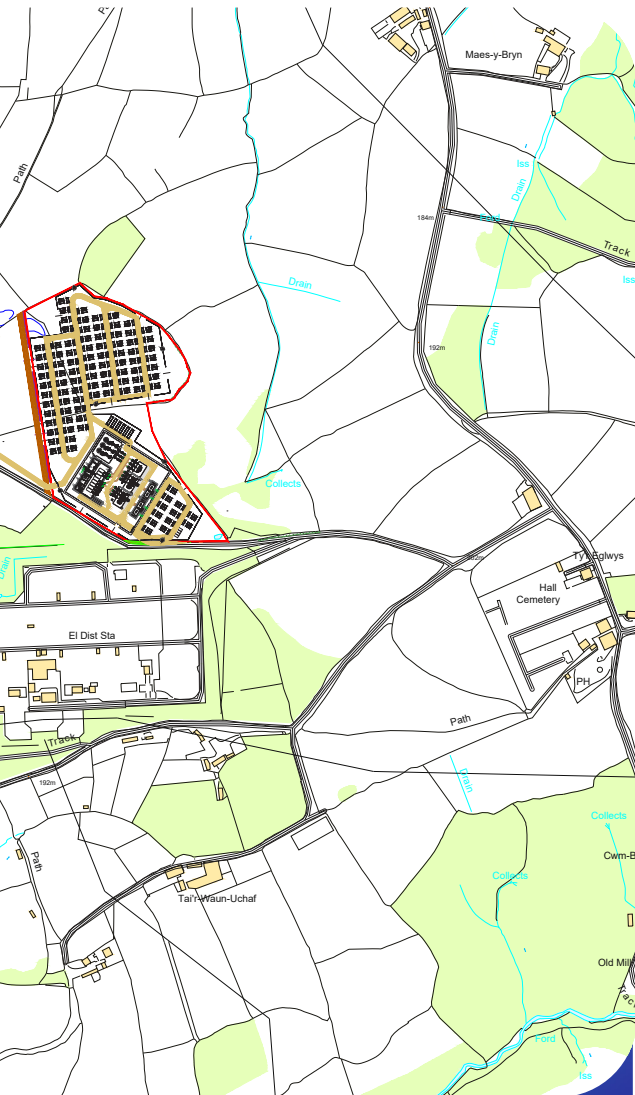


Energy capacity

Why do we need renewable energy developments?

FAQs

The Welsh Government has already set an ambitious target for Wales to meet 70% of its electricity demand from Welsh renewable sources by 2030 and are consulting to push further to meet 100% of its electricity needs from renewable sources by 2035. Energy Storage Systems are leading the way in balancing electricity demand and providing flexibility for electricity supply.



1,262,702



approx. equivalent of
homes powered

Heritage and Archaeology

A geophysical survey will be undertaken to confirm any areas of potential archaeological interest. The survey and layout will be discussed with the Council's Archaeologist to provide any required mitigation and any further survey requirements.

Project Benefits

We believe it is important that local communities share in the benefits our projects bring. As part of our community promise, we offer a community benefit fund along with an annual charitable fund (more information overleaf).

Transport

We are currently assessing the number of construction vehicles that will be required, and this will be detailed within the Construction Traffic Management Plan (CTMP) which will be submitted as part of the planning application, to be agreed by the Council and adhered to by the appointed contractor. The CTMP will also include a suite of mitigation measures to reduce the effect of construction traffic on the local highway network.

Biodiversity Net Gain (BNG)

Whilst there is no statutory requirement in Wales for development proposals to deliver Biodiversity Net Gain of at least 10%. It is important that we can demonstrate clearly the level of ecological benefits that our project delivers.

Will the site affect the local wildlife?

Extensive ecology surveys have been carried out on and near the site. Where species have been identified, suitable mitigation measures have been put in place so as not to disturb the existing wildlife.

When are you submitting the application?

We are currently undertaking surveys on-site and expect to submit the full application in early 2025.

Find out more and share your views



To find out more about the project and share your views, you can:

1. Scan the QR code
2. Fill out an online feedback form
3. Visit www.innova.co.uk
4. Email info@innova.co.uk

About Innova

Innova is a leading independent renewable energy company who has been active in renewable project development since 2014. Our mission is to deliver sites that will improve the environment, benefit local businesses and communities, and help the UK meet its Net Zero targets.



Our Community Promise

£20,000

To Community Benefit Fund



Per year

£8,000

To Charitable Fund

The above figures are based on the contributions which will be made every year for the indicative site capacity of project of £50 to the local community and £20 charitable donation per MW installed.



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Printed on sustainably sourced material, in a factory powered by renewable energy, using a 100% waterless process and sending 0% waste to landfill. 100% recyclable.