Trydan Gwyrdd Cymru

Your invitation to respond to the pre-application consultation

Ynni i ffynnu. Power to prosper.



Gwefr – Larnog Solar Farm edition 2

Trydan Gwyrdd Cymru (Trydan) – Wales' state-owned renewable energy company, working with and for you – invites you to take part in the statutory pre-application consultation for the proposed Larnog Solar Farm.

The consultation **starts on 11 November 2026**. Please come along to our consultation events to learn more about the draft planning application, ask questions and provide feedback.

Friday	**Saturday**
13 November 2026	**14 November 2026**
3:00pm-7:00pm	10:00am-2:00pm

Both events will be held at
Lower Penarth Community Hall, Brockhill Way,
Penarth CF64 5QD

You can also view the draft planning application, consultation material and complete a feedback form on our website. All feedback must reach us by **5pm on Tuesday 15 December 2026.**

*Mean domestic electricity consumption by country/region. Source: DESNZ Subnational Electricity and Gas Consumption Statistics Regional and Local Authority, Great Britain, 2022. (https://assets.publishing.service.gov.uk/media/65b12dfff2718c000dfb1c9b/subnational-electricity-and-gas-consumption-summary-report-2022.pdf)

- Approximately **35 MW of clean electricity**, enough to power the equivalent electricity needs of approximately 13,800 average Welsh homes.*
- **Ground-mounted solar PV**, substation compound, Battery Energy Storage System and other works such as onsite cabling and access tracks.
- Plans to **improve nature and public footpaths** across the site.
- A project being developed on land wholly owned by Welsh Government, with profits back to the **public purse.**
- **Community Benefit Fund of £400 per MW** of installed capacity for the operational lifetime of the project.

Indicative timeline

2025/2026
Feasibility

Dec 2025 - Jan 2026
Informal public consultation

Spring/ Summer 2026
Review feedback, site surveys, meet local organisations

Autumn/Winter 2026
Pre-application consultation

Early 2027
Submit planning application to Vale of Glamorgan Council

2027
Decision by Vale of Glamorgan Council

2029/2030
Construction & operation

www.trydanlarnog.wales | croeso@trydanlarnog.wales | 029 2003 8780

What are we consulting on?

We are seeking feedback on our draft planning application before we submit the final planning application to the Vale of Glamorgan Council. The full, draft planning application is available to view on the project website.

The draft site layout is in the centre of this booklet.

What you have told us

At the start of the year we held a four-week consultation on our early-stage plans. We held two in person consultation events and were pleased to meet many members of the community.

Since then, we have reviewed the feedback we received, continued to meet local experts and members of the community, and undertaken further site surveys. We have considered existing properties and features, the new Ysgol Llyn Derw, the proposed Upper Cosmeston Farm housing estate, and the proposed Sully to Cosmeston Active Travel Route.

All this information has helped to inform the site design.

Local people told us how important it is that the project is **well designed, efficient** and **environmentally sensitive**, generating **clean, secure** electricity.



You said... *You welcome our plans to improve nature*

We have... Ensured our plans deliver biodiversity net benefit, for example by improving existing habitats and creating new habitats to support birds, bats, bees, insects, reptiles and mammals.



You said... *More screening would help to reduce potential visual impact from the caravan parks and footpaths*

We have... Carefully considered how to screen the solar panels so that people can still enjoy the views from neighbouring properties, the caravan parks and footpaths. Planting hedgerows and trees helps nature and provides screening.



You said... *People want to continue to enjoy walking around the area*

We have... Kept existing footpaths and, working closely with the council and other stakeholders, explored ways to improve the Public Rights of Way across the site whilst maintaining openness and connectivity along footpaths. We are proposing to permanently divert one of the existing public footpaths via a new community orchard and wildflower meadow.

Our draft planning application includes information on:

- How the project has been **sensitively designed** to consider landscape character and visual amenity.
- Our plans to deliver a **Net Benefit for Biodiversity** across the site.
- How we considered **cultural heritage** features, above and below ground.
- How we considered **hydrology, drainage, and soils** across the site.
- How the site will be **accessed** from the local highway.


© Frederick Doerschem

Why have we chosen this site?

The Welsh Government-owned site has been selected because it receives good levels of **sunlight**, is relatively **flat** and can be **accessed** from the existing road network. It is **naturally well-screened**, resulting in a development that will have limited visual impact from local viewpoints.

The site contains no "Best and Most Versatile Agricultural Land", with soils generally considered less suitable for crop production. Animals can **graze** the fields where the PV panels are located. This would have benefits for the land, as well as **diversifying** the farming practices across the site.

The site is not subject to any international or national environmental designations. Our plans aim to **support and enhance** the valuable work local environmental groups are undertaking in the surrounding area.

Why do we need solar energy?

Energy security

Having our own, reliable energy supply powered by the sun and the wind, will reduce our vulnerability to global fossil fuel markets and international instability.

Changing demand

It is predicted that Welsh demand for green electricity will triple by 2050 due to the electrification of heating, transport, industrial applications and the new demand from data centres.

Climate change

The Met Office states one of the main causes of the changing weather is human-induced climate change caused by greenhouse gases, such as CO_2, which is released into the atmosphere when we burn fossil fuel.

Welsh Government targets

The Welsh Government aims to meet 100% of Welsh electricity needs from renewable sources by 2035. Larnog Solar Farm would directly contribute to these targets.

Making community benefit funding work for you

We are proposing an annual community benefit fund for Larnog Solar Farm of **£400 per MW of installed capacity.**

Based on our current proposal, this could be equivalent to **£14,000 per year** and **more than half a million pounds** over the lifetime of the project.

We welcome your views on how this funding, and potentially greater opportunities associated with the project, can respond to local interests and needs over the short and long term.

Please tell us what you think by completing a feedback form.



Trydan – big ambitions for Wales

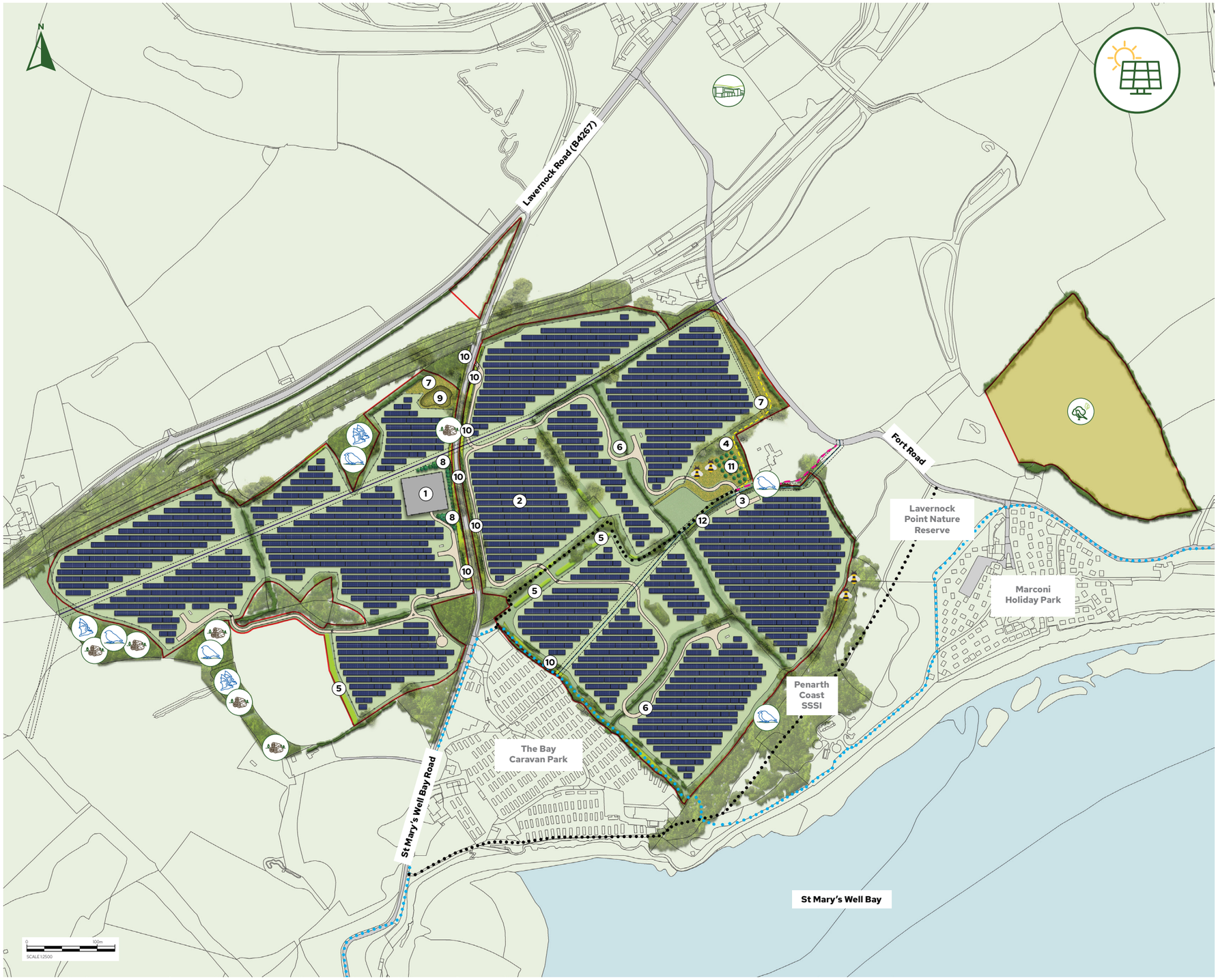
Trydan Gwyrdd Cymru is a renewable energy developer wholly owned by the Welsh Government, with a mission to unlock the renewable energy potential of Wales and deliver benefits to everyone living and working in Wales today and for future generations. Our ambition is to develop 1 GW of new renewable energy generation capacity by 2040. Larnog Solar Farm is our first solar project and an important step on that journey.

Fferm Solar Larnog Solar Farm

ALLWEDD / *LEGEND*

- Ffin y Safle
  Site Boundary
- Gwifrau Uwchben Presennol
  Existing Overhead wires
- Pibell Ddŵr Danddaearol Bresennol
  Existing Underground Water Pipe
- Parth Gwahardd
  Exclusion Buffer
- Adran o Lwybr Troed L1/5/2 wedi'i stopio a'i dargyfeirio
  Section of Footpath L1/5/2 stopped and diverted
- Hawl Tramwy Gyhoeddus Bresennol
  Existing Public Right of Way (PRoW)
- Rhan Bresennol o Lwybr Arfordir Cymru
  Existing Route of Wales Coast Path
- Coeden Bresennol/ Grŵp Presennol o Goed
  Existing Tree/Tree Group
- Gwrych Presennol
  Existing Hedge
- Gwair o dan y paneli i'w gynnal gan ddefaid yn pori
  Grass sward below panels to be maintained by grazing sheep
- 1 Is-orsaf Arfaethedig
  Proposed Substation
- 2 Paneli Solar Arfaethedig
  Proposed Solar Panels
- 3 Trac Mynediad Arfaethedig
  Proposed Access Track
- 4 Dargyfeiriad Arfaethedig Llwybr Troed L1/5/2
  Proposed diversion of Footpath L1/5/2
- 5 Gwrych Arfaethedig
  Proposed Hedge
- 6 Glaswelltir Gweunwellt Arfaethedig Proposed Tussock Grassland
- 7 Blodau Gwyllt Arfaethedig
  Proposed Wildflower
- 8 Plannu Coed/Prysgwydd Arfaethedig
  Proposed tree/scrub planting
- 9 Basn Teneuo Arfaethedig
  Proposed Attenuation Basin
- 10 Plannu Atodol a Gwrych Arfaethedig i'w gynnal ar uchder o 3m
  Proposed Supplementary Planting and Hedge to be maintained at 3m high
- 11 Perllan Arfaethedig â Rhesi o Flodau Gwyllt
  Proposed Orchard with Wildflower Strips
- 12 Llystyfiant presennol sydd wedi gordyfu i'w glirio i ganiatáu mynediad ar hyd yr hawl tramwy gyhoeddus bresennol
  Existing overgrown vegetation to be cleared to allow access along existing public right of way
- Pentyrrau Cynefinoedd Arfaethedig
  Proposed Habitat Piles
- Llethr Gwenyn Arfaethedig
  Proposed Bee Bank
- Cynigir gosod dau Flwch Adar ar un Goeden
  Proposed 1 no. of Tree to be fitted with 2 nos. of Bird Boxes
- Cynigir gosod dau Flwch Adar ar ddwy Goeden
  Proposed 2 nos. of Tree to be fitted with 2 nos. of Bird Boxes each
- Cynigir gosod tri Blwch Ystlumod ar un Goeden
  Proposed 1 no. of Tree be fitted with 3 nos. Bat Boxes
- Cynigir gosod tri Blwch Ystlumod ar ddwy Goeden
  Proposed 2 nos. of Tree be fitted with 3 nos. Bat Boxes each
- Lliniaru Arfaethedig ar gyfer yr Ehedydd
  Proposed Skylark Mitigation

Ewch i'r digwyddiadau ymgynghori i weld y map hwn yn fwy manwl
Visit the consultation events to see this map in more detail



www.trydangwyrddcymru.wales
croeso@trydangwyrddcymru.wales

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