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## Croeso - welcome to our event for Larnog Solar Farm



### Thank you for coming to find out about our early-stage proposals

We're here to discuss the project with you. We are happy to chat to help you understand our proposed plans.

We'd appreciate if you could take time to look at the information and the landscape concept plan.

Your feedback is very important. It helps shape the project as it develops and as we consider options and opportunities to design the best project for the local area.

### About Trydan Gwyrdd Cymru

Trydan is the only energy company working for the people of Wales.

We're a renewable energy company owned by the Welsh Government.

We operate in the interests of Wales, with all profits from our projects reinvested in Welsh communities and to benefit Wales.

#### Our mission is to:

- Give Wales the power to prosper by unlocking our renewable energy potential, with a focus on developing renewable energy projects primarily within the Welsh Government Estate. We aim to get people and nature working together to build a brighter, cleaner future.
- Deliver benefits to our society, environment, economy and everyone living and working in Wales today.
- Deliver for future generations and secure long-term benefits for Wales.

#### Our goals are to:

- Develop 1 GW of new renewable energy generation capacity in Wales by 2040.
- Be a model developer, working with communities and the wider industry.
- Advise and work with the public sector, to realise locally owned renewable energy generation.

**Let's work together, to deliver power to prosper.**

#### You can give your view on the project by:

- Completing a feedback form today (copies are available at this exhibition).
- Completing a feedback form on the project website before **5pm on Friday 23 January 2026.**

Scan the QR code



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## Introducing Larnog Solar Farm

The project is located on Welsh Government owned land at Lavernock. It is used for agriculture, and the area is enjoyed by walkers along the Wales Coastal Path and other Public Rights of Way.

We are proposing:

- Up to 35 MW of clean electricity, enough to power the equivalent electricity needs of approximately **13,800 average Welsh homes\***
- Ground mounted solar photovoltaic (PV) panels
- Battery Energy Storage System (BESS)
- An onsite substation and other associated infrastructure
- Profits back to the public purse
- Habitat improvements
- Local community involvement and benefits
- Clean electricity - helping to secure our energy future and combating climate change

## Why do we need solar energy?

### Energy security

Most of the gas we burn in Wales' two main gas powerplants is imported. Having our own, reliable energy supply will reduce our vulnerability to global fossil fuel markets and global events.

Solar projects are usually quicker to develop, construct and connect to the grid, making them an important part of the energy mix.

Solar panel systems have few moving parts, so they are generally low maintenance, requiring only occasional cleaning and checks. It's a tried and tested technology, known to be reliable and effective.

The UK government's clean power 2030 target for solar is to reach a total installed capacity of 45-47 gigawatts (GW), which is a significant increase from the 2025 capacity of 18.1 GW.

### Changing demand

By 2035, many more aspects of our lives, including heating our homes and workplaces, running cars, buses and trains, and industrial processes, will be powered by electricity, rather than from burning fossil-fuels, which produce harmful greenhouse gas emissions. It is predicted that Welsh demand for electricity will triple by 2050.

### Climate change

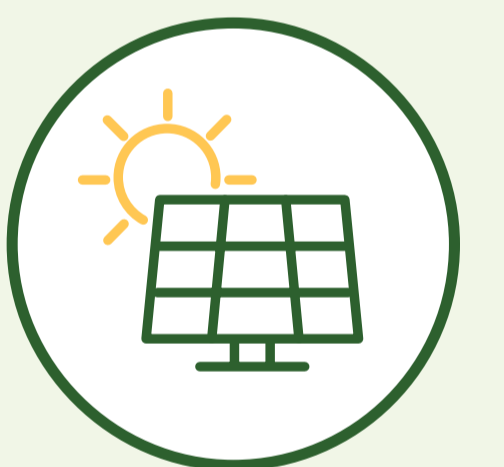
Summer 2025 was the warmest summer on record in the UK<sup>1</sup>. Record-breaking temperatures and extreme weather events are becoming more frequent, which have devastating effects for the planet. The Met Office states one of the main causes of the changing weather is human-induced climate change caused by greenhouse gases, such as CO<sub>2</sub>, which is released into

the atmosphere when we burn fossil fuel. Reducing CO<sub>2</sub> emissions is essential for reducing the severity of climate change.

### Welsh Government targets

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

<sup>1</sup> Met Office. <https://www.metoffice.gov.uk/about-us/news-and-media/media-centre/weather-and-climate-news/2025/summer-2025-is-the-warmest-on-record-for-the-uk>



## Indicative timeline

This indicative timeline is intended to provide an overview of the careful process Trydan will follow, with the aim of shaping the best possible project. By this we mean, a project of the best design, in the right place, to deliver long-lasting benefits for the local area and for Wales.

