

Trecwn Green Energy Hub: Early Engagement

OCTOBER/NOVEMBER 2022

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Dear Resident,

We are developing plans for a sustainable Green Energy Hub in Trecwn Valley and wanted to share our emerging proposals with the local community at this early stage, so we can hear your thoughts and ideas, and better understand how we can bring forward meaningful benefits as part of our plans.

At the heart of our Trecwn Green Energy Hub proposals is a 15MW green hydrogen electrolysis plant, which would be powered by three wind turbines (with a tip height of up to 150m) and solar panels onsite. There would be no need to extract electricity from the National Grid to power the electrolyzers, and all power generated would be used in the production of green hydrogen.

The green hydrogen could be used for a variety of uses, including trains, buses, heavy goods vehicles and within industry.

As part of the early engagement, we have set up a project webpage and will be holding public exhibitions and a webinar in October/November 2022.

We hope you will come along to find out more, chat with members of the project team and share your initial thoughts on our emerging plans.

With best wishes,



Micheál Ó Broin
Senior Project Manager, UK

Have your say

Please let us know your initial thoughts on our emerging plans by **17 November 2022**.

VISIT EVENTS TO FIND OUT MORE:

LOCAL EXHIBITIONS



24 October: 3pm – 7pm
Admiralty Park, The Valley,
Trecwn, SA62 5YD

25 October: 3pm – 7pm
Letterston Memorial Hall,
Letterston, SA62 5RY

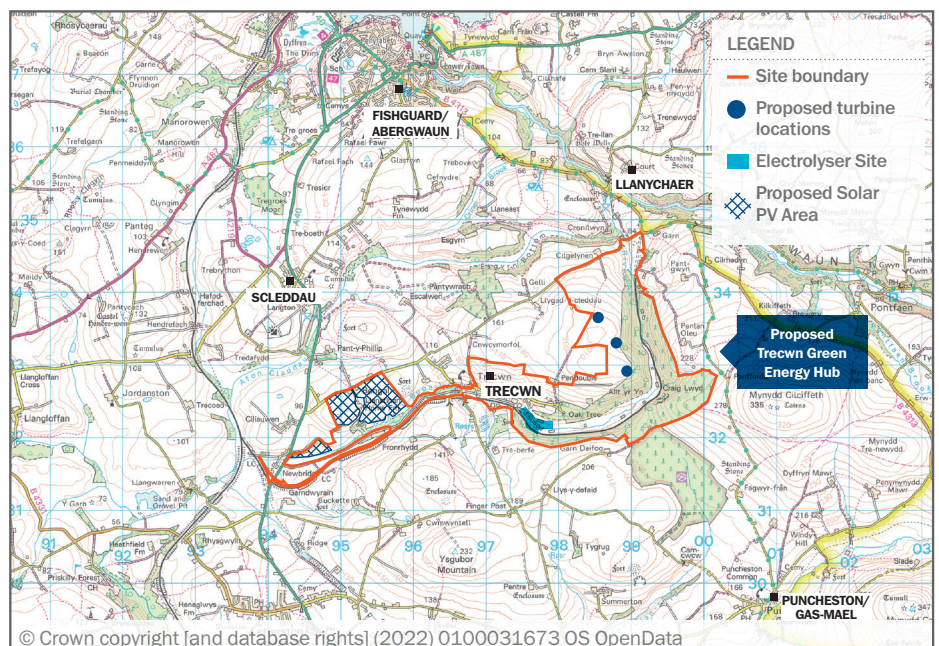
26 October: 3pm – 7pm
Fishguard Community Learning
Centre, Fishguard, SA65 9DT

WEBINAR



9 November: 6pm – 8pm
Find out more and register
online:

www.trecwn-energy.wales



Site location plan

The site

Located to the southeast of Sceddau, the site is in Trecwn Valley, a Strategic Employment Zone near the Haven Waterway Enterprise Zone. The former military armaments depot employed around 3,000 people at its peak operation. Our proposal presents an exciting opportunity to produce homegrown green energy for local use and has the potential to act as a catalyst for the redevelopment of Trecwn Valley.

The site benefits from access to the A40 trunk road and a private train line (a spur to the Fishguard to Carmarthen line), providing direct access for enabling works, construction and ongoing operation.

Trecwn Valley already has significant infrastructure onsite, with an extensive array of industrial buildings, rail sidings and serviced hard standings as well as administration and security buildings. The proposed green hydrogen facility would integrate within an existing developed footprint.

Creating green energy

The proposals would support Welsh Government's Net Zero Strategy of producing the equivalent of 70% of electricity consumption in Wales through renewable sources by 2030, as well as contributing towards the delivery of The Big Green Plan, Pembrokeshire Council's emerging decarbonisation strategy.

The Pembrokeshire plant would generate up to four tonnes of green hydrogen a day, enough to run a single bus for over 40,000 miles, or the equivalent of making 350 journeys from Fishguard to Cardiff, but without the harmful emissions produced by traditional diesel or petrol fuels.



Altwallis Wind Farm, Carmarthen, South Wales, 10 turbines, 110m tip height

Project summary

H 15 MW
Hydrogen electrolyser

14.4 MW
Three wind turbines up to of 150m (to blade tip)

15 MW
Ground mounted solar arrays

H 4 TONNES
Hydrogen storage

H 100%
Clean, carbon-free hydrogen

£ £73 k
Per year based on installed MW for a Community Fund*

* Based on £5k per MW from wind, using the lowest rated turbines (4.2MW) and £10k a year from solar.

Environmental consideration

Early site investigations have started and Statkraft will shortly be submitting a scoping request to Planning and Environment Decisions Wales (PEDW) to ensure the appropriate environmental studies are carried out as the proposals are developed.

These studies will also help identify opportunities for biodiversity enhancement and improvements to be delivered as part of the development.

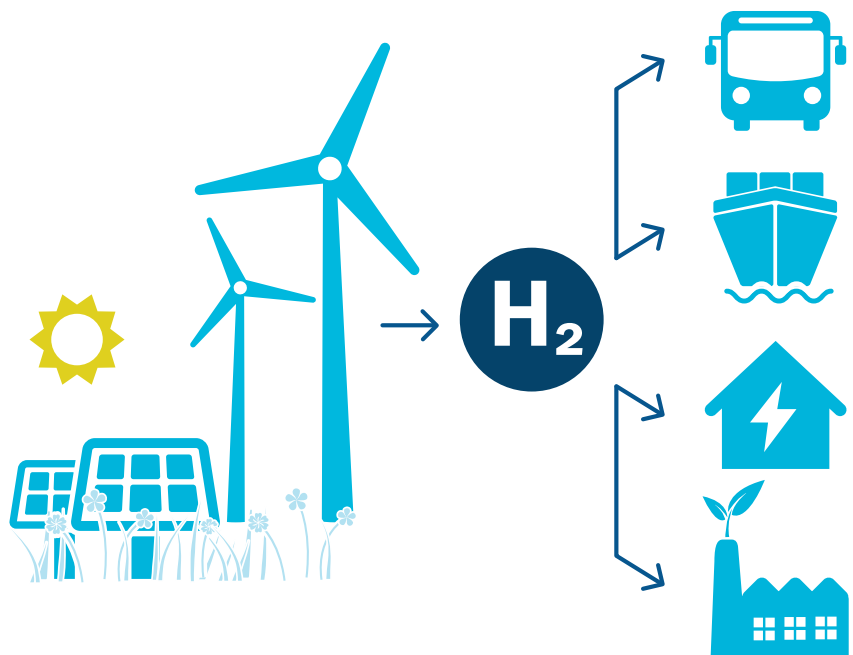


What is green hydrogen?

Hydrogen is the most abundant element in the universe. It offers a way to deliver low carbon energy because when burned it does not produce CO₂, only water and heat.

The hydrogen fuel cell was invented in Wales back in 1842 by William Grove and has been used since then as part of industrial processes and commercial settings.

Green hydrogen is produced using renewable energy (such as wind and solar) and electrolysis, making it clean and carbon free: an ideal alternative to fossil fuels for heat, fuel, electricity generation, and as a raw material in industrial processes.



About Us

Statkraft is Europe's largest renewable energy producer, with 67 TWh of renewable power generation across our operations.

With offices in Cardiff and Aberystwyth, we have 20 projects in operation or in development across the UK, including Alltwalis Wind Farm in Carmarthenshire and Rheidol Hydropower Plant near Aberystwyth. We are currently exploring the potential to fuel hydrogen-powered trains running on railway lines west of Swansea. This would deliver many of the benefits of electrification, such as using a zero-carbon fuel, but at significantly lower capital costs, and with fewer requirements for new infrastructure.

Our ambition is to accelerate the UK's progress to net zero, and positively impact the communities we work with by delivering community benefits and biodiversity net gain.

www.statkraft.co.uk

Planning process

As Trecwn Green Energy Hub will generate more than 10MW of electricity it is defined as a Development of National Significance (DNS). This means the planning application will be submitted to Planning Environment Decisions Wales (PEDW) and considered by an Inspector, with the final decision made by Welsh Ministers.

Early engagement

Statkraft is committed to working closely with the local community to bring long term value and deliver a project that can be considered a local asset.

We want to hear what you think to help us shape the plans throughout development and explore how we can maximise opportunities and benefits. Visit our public exhibitions to speak to a member of the projects team and find out more about the plans and give us your thoughts.

We want to hear from you!

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Meet the Project Leader

Our Senior Project Manager is Mícheál and he is supported by a team of specialists that will be able to answer questions at the early engagement events.

Please visit our webpage to find out more:

www.trecwn-energy.wales



Contact us:



Please return the
freepost reply card
provided



www.trecwn-energy.wales



Phone the project hotline:
0800 772 0668



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You can find out more about our projects and the way we work at www.statkraft.co.uk

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