

Press release

RWE welcomes Vaughan Gething MS to Pembroke site to discuss decarbonisation ambitions

Swindon, 27 June 2022

Wales' largest power producer and number one renewable energy generator, RWE, welcomed Minister for Economy Vaughan Gething MS to the Pembroke site for a site tour and discussion on how the company is supporting Wales' net zero ambition.

The company recently launched the '[Pembroke Net Zero Centre](#)' (PNZC) as the hub for RWE's decarbonisation projects and development activities in the Celtic Sea. PNZC is made up of three distinct pillars:

- 1) Decarbonisation of Pembroke Power Station via blending and combustion of clean hydrogen and carbon capture and storage, including feasibility studies on retrofitting the existing power plant;
- 2) Green Hydrogen production, including Front-End Engineering Design (FEED) studies for an initial 100-200MW 'pathfinder' electrolyser project to supply green hydrogen to local industry and transport, with GW-scale opportunities in the longer-term;
- 3) Floating Offshore Wind development in the Celtic Sea. RWE is seeking to build Giga-Watt scale floating wind in the Celtic Sea and has signed MoU's with ABP Port Talbot and the Port of Milford Haven to support this initiative.

To complement these decarbonisation ambitions RWE is also exploring large scale deployment of battery storage technology at the Pembroke site.

The Minister was taken on a tour of the site and shown the existing power station and the location of potential future infrastructure including a hydrogen electrolyser and battery storage. Skilled staff from the site were on hand to explain how the existing power plant, which generates enough power for 3.5m homes, operates.

The team also discussed with the Minister how the deployment of net zero technology at Pembroke Net Zero Centre will help unlock the route to Net Zero in South Wales, and help support the future of existing industries, businesses and jobs. This initiative, as part of the South Wales Industrial Cluster, will attract new industries and businesses, further developing the production and use of hydrogen for industrial usage, power generation and transport across the region. At the same time, in close collaboration with its partners, this initiative supports the

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development of infrastructure to transport hydrogen and carbon (CO₂), e.g., by pipeline or by ship, necessary to decarbonise the UK's 2nd largest industrial cluster.

Tom Glover said, "We are delighted that the Minister for Economy, Vaughan Gething, had the opportunity to meet our team at Pembroke. The site is unique with all elements to become a hub for decarbonisation, including floating offshore wind accessibility, land for the development of large-scale electrolysers, electricity and gas grid connections and a gas-fired power station providing firm and flexible power. RWE's investment in decarbonisation has the potential to see our company maintain its position as the green power leader in Wales."

Economy Minister, Vaughan Gething said: "The Welsh Government wants to see Wales become a global leader in new offshore renewable energy generation. It is not only great for our climate but has the potential to be a gamechanger for our economy, bring quality, skilled jobs to our communities.

"RWE is a leader in the growing renewable energy sector and it will have a crucial role to play in helping us meet our ambitious decarbonisation aspirations. I was delighted to meet the team here at the Pembroke site and hear more about RWE's plans to use green hydrogen to decarbonise its existing assets."

For further enquiries:

Kelly Nye
RWE
Media Relations
T +44 (0) 7795354552
Kelly.nye@rwe.com

Notes for editors:

- Pembroke Power Station, built in 2012, is one of the largest and most efficient gas-fired power stations of its kind, and generates enough power for 3.5 million homes. Around 100 staff are employed there full-time in high-skilled jobs. A further 130 FTE jobs are supported in other sectors of the Welsh economy, bringing the total average employment supported to almost 230 FTEs. Based on a 2015 study by Cardiff University, Pembroke Power Station supports an average of over £20 million GVA into the Welsh economy every year.¹
- More information on the [Pembroke Net Zero Centre](#) is available on RWE website including an informative infographic in [Welsh](#) and [English](#).
- For more information on RWE's MoU with the [port of Milford Haven](#).

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RWE is leading the way to a green energy world. With an extensive investment and growth strategy, the company will expand its powerful, green generation capacity to 50 gigawatts internationally by 2030. RWE is investing €50 billion gross for this purpose in this decade. The portfolio is based on offshore and onshore wind, solar, hydrogen, batteries, biomass and gas. RWE Supply & Trading provides tailored energy solutions for large customers. RWE has locations in the attractive markets of Europe, North America and the Asia-Pacific region. The company is responsibly phasing out nuclear energy and coal. Government-mandated phaseout roadmaps have been defined for both of these energy sources. RWE employs around 19,000 people worldwide and has a clear target: to get to net zero by 2040. On its way there, the company has set itself ambitious targets for all activities that cause greenhouse gas emissions. The Science Based Targets initiative has confirmed that these emission reduction targets are in line with the Paris Agreement. Very much in the spirit of the company's purpose: Our energy for a sustainable life.

¹ RWE Generation UK: The economic impact of the Pembroke Power Station, Economy Research Unit, Cardiff Business School: <https://uk-ireland.rwe.com/-/media/RWE/documents/03-unser-portfolio-und-loesungen/betriebsstandorte/eis-pembroke-power-station-reduced-to-10-and-under.pdf>