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EnergyPathways PLC
23 October 2025

23 October 2025 RNS Reach

**EnergyPathways plc**
**("EnergyPathways" or the "Company")**

## EnergyPathways joins the Critical Minerals Association (UK)

EnergyPathways (AIM: EPP), the UK energy transition company, is pleased to announce that that it has joined the Critical Minerals Association (UK) ("CMA"). Joining the CMA aligns EnergyPathways with a respected forum that brings together industry, academia and government across the entire critical minerals value chain to strengthen secure and responsible supply chains. This membership will support EnergyPathways' engagement with policymakers and industry peers as the Company advances its MESH project and planned production of high-grade synthetic graphite, a material of strategic importance to the UK.

Find out more about the Critical Minerals Association: https://www.criticalmineral.org/

**Ben Clube, CEO of EnergyPathways, commented:**

*"We are proud to join the Critical Minerals Association (UK). The CMA brings together the full value chain and provides industry with a collective voice with which to engage the UK Government. Its role as Secretariat to the All-Party Parliamentary Group on Critical Minerals and its parliamentary events provide a valuable platform for constructive dialogue. As we progress MESH, membership will help ensure our planned synthetic graphite production contributes to secure, responsible UK supply chains and supports the UK's industrial resilience."*

**Kirsty Benham, Chief Executive Officer, Critical Minerals Association (UK) commented:**

*"EnergyPathways' MESH project is an exciting, innovative opportunity for integrated clean energy solutions, and I'm delighted that the Company is looking to develop graphite production capability, particularly considering the importance of graphite for the UK's critical minerals supply chains. I look forward to working closely with and supporting the work of EnergyPathways as a new member of the Critical Minerals Association (UK)."*

**About MESH**

MESH will be a new, large scale, energy storage and decarbonisation facility that is expected to provide a secure and dependable supply of affordable low-carbon energy for the UK market for over 25 years.

The MESH integrated energy system solution comprises; large-scale Long Duration Energy Storage ("LDES"), flexible low-carbon power capacity and low-carbon hydrogen and graphite production with the potential to branch into low-carbon ammonia production. MESH will connect its LDES integrated storage system using existing infrastructure to the UK grid and nearby offshore wind capacity to help harness value from some of the billions of pounds of the UK's wasted wind power.

The MESH system is designed to capture and store curtailed offshore wind power in offshore salt caverns as compressed air. The MESH energy storage system combines associated large-scale hydrogen, thermal and natural gas storage capacity in geo-storage features (the salt caverns). During periods of low renewable energy availability, the LDES stored energy resources will be utilised to generate low-carbon flexible power for the UK's grid via compressed air expansion, thermal energy and hydrogen-compatible gas turbine systems to generate electricity.

The MESH facility will also produce affordable low-carbon hydrogen using a methane pyrolysis technology for which EnergyPathways has exclusive rights of use within the UK. The hydrogen can be used to further decarbonise the MESH

flexible power generation system using its hydrogen compatible gas turbine system. The by-product of the MESH hydrogen production facility is a high-grade form of synthetic graphite.

In addition to supplying dispatchable low-carbon electricity to the grid, MESH-produced hydrogen can support the UK's emerging Project Union hydrogen network, contributing to broader emissions reductions across the energy system.

The MESH project is targeted to be operational by 2030, subject to government approvals and financing, in order to contribute to the Government's 2030 Clean Power ambitions. EnergyPathways aims to play its role in supporting the Government in accelerating the UK's energy transition.

**Investor Engagement with EnergyPathways**

Engage with us by asking questions, watching video summaries and seeing what other shareholders have to say. Navigate to our Interactive Investor website here: https://energypathways.uk/

**Enquiries**

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| **Investor questions on this announcement**<br>We encourage all investors to share questions on this announcement via our investor hub | https://energypathways.uk/link/yEM6by |
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