

Over £90 million government funding to power green technologies

- UK government to drive forward next generation green technologies with over £90 million funding, as part of the government's £1 billion Net Zero Innovation Portfolio
- new tech in energy storage, floating offshore wind and biomass production will support highly-skilled jobs across the UK
- green innovators urged to bid for funding to develop new technologies that will enable the UK to build back greener

£92 million investment will enable green innovators to drive forward the next generation of technologies that will help the UK transition to clean, green energy and tackle climate change, the government announced today (Tuesday 9 March).

The government has launched 3 new innovation challenges across key areas of the green energy sector including energy storage technology, floating offshore wind and biomass production.

These new challenges will help develop innovative technologies that will reduce the costs of deploying them across the energy sector, support thousands of highly-skills jobs across the UK, grow the economy and deliver the Prime Minister's [ten point plan](#).

Energy Minister Anne-Marie Trevelyan said:

The UK's energy innovators have been vital to us becoming a world-leader in clean green technology, helping us to go further and faster as we tackle climate change.

This funding will allow us to develop new ways of unlocking the potential for green energy as we continue making big strides towards our goal of eradicating our contribution to climate change by 2050.

Energy storage innovation

Of the £92 million government investment, £68 million will further the development of energy storage technologies to support a future renewable energy system. These new innovations will accelerate the commercialisation of a first-of-a-kind storage that can hold energy from wind turbines and solar panels, as well as heat, over long periods of time, including months and years, until it is needed by consumers.

The supply of energy from renewable sources can be intermittent, so effective storage is important to ensuring clean energy that is reliable. Energy

storage is expected to be one of the key components in a smarter, more flexible low-carbon energy system which can maximise the use of renewable generation.

Floating offshore wind

£20 million funding will power innovation that unlocks the full potential of floating offshore wind technology around the UK coastline, allowing turbines to be situated in areas where it is too deep for them to be embedded on the seafloor. These tend to be locations where wind strengths are stronger and more consistent as they are further out to sea and further support the government's commitment to power every home in the country with wind by 2030.

Innovative technologies could include advancing vital components such as dynamic high voltage cable systems, moorings for challenging seabed conditions and foundations.

Sustainably sourced biomass

Biomass projects will benefit from £4 million government investment aimed at increasing the production of sustainably sourced biomass in the UK – supporting local economies and regional growth, as well as creating jobs in rural areas.

Biomass is organic matter that can be used for fuel in green energy production or to substitute for fossil fuel derived products elsewhere in the economy. It is a key component for the UK to achieve its decarbonisation commitments, with the Climate Change Committee stating that sustainable biomass can play a significant role in meeting long-term climate targets.

New innovations will help scale up sustainably sourced biomass feedstocks and the production of energy crops – low-cost and low-maintenance crops grown solely for green energy production, including forestry – as well as helping to achieve improvements in yields, cost reductions and profitability.

Notes to editors