

What is sustainable biomass & why is it important?

The successful conversion of the power station to run on sustainable biomass is Europe's largest decarbonisation project. Sustainable biomass is helping to provide the renewable electricity the UK needs to decarbonise the grid and support more renewables to come online, enabling other sectors to decarbonise, such as transport.

What is sustainable biomass & BECCS?

Sustainable biomass and BECCS are crucial technologies to meet global and UK climate commitments. Sustainable biomass plays an essential role to achieve a green economic recovery and net zero by providing reliable and flexible renewable electricity.

Does St Helena have double-glazing?

You can see the 2017 figures (right). St Helena households and businesses have also adopted a wide range of energy saving measures, driven perhaps by the very high cost of electricity on the island (in 2014 it was up to £0.42p per kWh, depending on consumption). Double-glazing is, however, uncommon on St Helena - it is rarely cold.

What is a connect Saint Helena microgrid?

The agreement with Connect Saint Helena Ltd includes a microgrid for the South Atlantic island that combines a 568 kWp/500 kW solar farm; a three-turbine, 2.7 MW wind farm; and a 3.2 MWh/3.5 MW battery.

Why do we need a biomass industry?

Preserving and growing forests is vital for the planet and the economy. The biomass industry, and Drax's role within it, has been to drive up sustainability standards, by using the latest science to better understand the forests we source from, improving silviculture practices and encouraging further growth so forests stay as forests.

Is sustainable biomass a path to net zero?

Scientific bodies such as the Climate Change Committee (CCC) agree that the transition to net zero depends on a robust demand for sustainable biomass. Sustainable biomass is a proven solution to decarbonising electricity and is also a path to BECCS. The biggest threat to the forests we source from is urbanisation.

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Connect Saint Helena Ltd (Connect) has today signed a Power Purchase Agreement with PASH Global to provide wind turbine, solar power and battery storage capacity to St Helena, significantly increasing the

amount of renewable energy capacity on the Island and resulting in the majority of the Island's energy needs being met by renewable sources.

Sustainably sourced biomass used at Drax Power Station in Selby provides a scalable case study of a crucial renewable source of power that has replaced fossil fuels, and is supporting around 6,000 jobs across the North of England - at a time when other coal fired power stations have closed with the loss of thousands of jobs.

In April 2018 the Government of St Helena announced it had chosen a supplier to provide a renewable energy solution for St Helena, aiming for 100% renewable electricity by 2027. After lengthy contract negotiations it was announced on 29 ...

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St Helena's energy strategy will aim to improve the social and economic well-being of its population, and minimize the impact on the environment. It will increase the production of energy through renewable sources, and reduce the island's reliance on imported fuels, increase fuel security and prize stabilization Deliverables of the strategy 12.

Web: <https://www.gennergyps.co.za>