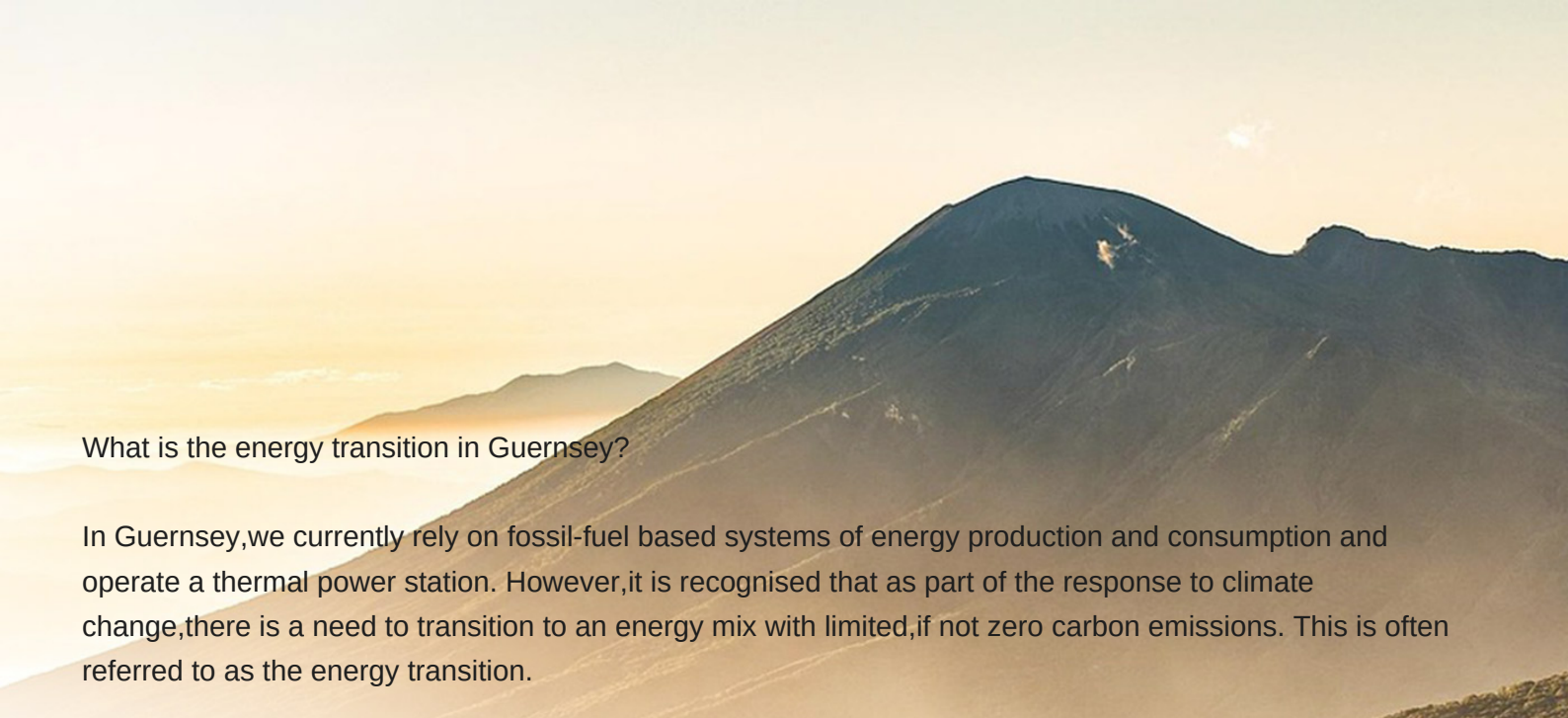

What is the energy transition in Guernsey?

In Guernsey,we currently rely on fossil-fuel based systems of energy production and consumption and operate a thermal power station. However,it is recognised that as part of the response to climate change,there is a need to transition to an energy mix with limited,if not zero carbon emissions. This is often referred to as the energy transition.

What is Guernsey Electricity?

Guernsey Electricity was adopted as the trading name in 1993 and became Guernsey Electricity Ltdin 2001 following commercialisation. Guernsey Electricityis the electricity supplier in Guernsey. In 1998,the Channel Islands Electricity Grid was established to operate subsea cables supplying electricity from Europe,giving a secure,reliable and affordable source of energy.

Why is energy important in Guernsey?

Access to energy is a critical requirement which enables us to undertake daily activities such as using the internet, cooking, working, and staying warm. In Guernsey, we currently rely on fossil-fuel based systems of energy production and consumption and operate a thermal power station.

What does energy independence mean for Guernsey?

Greater energy independence- A system where a greater and significant proportion of our community's energy needs are supplied through local energy sources. This will increase resilience by reducing exposure to external and geopolitical factors. The Committee for the Environment &Infrastructure is developing an Electricity Strategy for Guernsey.

How can Guernsey support a vibrant economy?

Supporting a vibrant economy - A clean,reliable,and affordable energy supply is a fundamental economic enabler. Establishing an environment for the development of on-island (including offshore) renewableswill support the diversification and vibrancy of Guernsey's economy.

What is Guernsey's energy policy 2020-2050?

The Energy Policy 2020-2050 established that the vast majority of Guernsey's energy supplies will come from

clean, low carbon sources by 2050 at the latest, local renewable generation will be encouraged and residual emissions will be offset. In order to deliver this, the six following objectives were agreed:

Guernsey's meticulous study and strategic energy planning exemplify their capability to handle complex, high-stakes projects for governmental clients, providing sustainable, cost-effective solutions tailored to the unique challenges of remote military installations.

Working as an island community, we can explore new energy sources and partnerships and in doing so spread the word, and our passion and commitment, to finding innovative ways to power our island for future generations while keeping customer needs and the environment at the heart of everything we do.

Guernsey's future electricity demand was modelled alongside six possible supply pathways, each with a different mix of renewable, traditional and interconnector technologies. Utilising digital twin software, the detailed energy, cost and emission impacts over the period to 2050 were determined.

GUERNSEY ENERGY DYNAMICS POWER SYSTEMS

Guernsey Energy Analysis and Strategy Recommendations to 2050 economic viability whilst generating jobs. A 500kW development at the Airport is currently financially viable, with a net present value of ?630,000 on an investment of ?680,000, and should be pursued now.

Guernsey has a long history in the performance of projects related to power and energy. Our understanding of and passion for the systems and facilities related to power transmission and distribution makes us a unique fit to assist this industry.

In Guernsey, we currently rely on fossil-fuel based systems of energy production and consumption and operate a thermal power station. However, it is recognised that as part of the response to climate change, there is a need to transition to an energy mix with limited, if ???

GUERNSEY ENERGY DYNAMICS POWER SYSTEMS

To direct the Committee for the Environment & Infrastructure to work with the Development & Planning Authority to bring forward further recommendations to improve the energy efficiency of existing and future housing stock, assess the potential for and impact of requirements to report building energy efficiency standards and/or to implement a