

Where does the Isle of Man electricity come from?

The majority of the Isle of Man's electricity is currently sourced from fossil fuels. The interconnector is a source of carbon neutral electricity on island and also provides a route to export electricity to the GB Market.

Can electricity be decarbonised on the Isle of Man?

Electricity generation is responsible for approximately 33% of all greenhouse gas emissions on the Isle of Man, and a majority of this is currently sourced from fossil fuels (natural gas). Without the decarbonisation of electricity, it will not be possible to reduce carbon emissions significantly in other areas such as heating and transport.

How will the electricity sector change in the Isle of Man?

As the uptake for electric heating and electric vehicles increases, the electricity sector will have to grow to meet future demand. The majority of the Isle of Man's electricity is currently sourced from fossil fuels.

Could the Isle of Man re-import electricity from an offshore wind farm?

With interconnectors the Isle of Man could re-import electricity generated from an offshore wind farm, allowing GB to manage the balancing. This would likely result in much lower costs to consumers. CFDs are not currently open to the Isle of Man as it is not part of the UK.

Does the Isle of Man import energy from the UK?

The Isle of Man currently imports all of its energy from the UK (with the exception of what is produced from Sulby). In all future models, the Isle of Man remains dependent on GB for the provision of baseload. This is the case even where capacity is increased by building excess renewables, as the stabilisation is still provided by interconnectors.

Can Isle of Man export electricity to GB?

There are also limited opportunities for Isle of Man to export electricity to GB, due to the excess capacity of renewable generators expected to be in operation by 2050. Isle of Man assets also have an 11% CAPEX uplift compared to equivalent UK installations, due to labour, available skill-set, transport and economies of scale.

If the Isle of Man possessed sufficient energy storage, it would also profit by trading electricity with mainland UK and Ireland. When there is little wind or sun around the British Isles and electricity demand is high, the price of electricity can be astronomical.

Could the Isle of Man achieve energy independence? In this second article from experts at ESC we continue to look at the pros and cons of different types of energy, and what's best for the ...

Work has now started on a programme to fully decarbonise the Isle of Man's electricity supply using solar and

wind power by 2030. Manx Utilities has received approval from the Council of Ministers for its plans to begin construction projects which will see up to 30 megawatts of electricity produced from onshore wind and solar energy over the ...

"Generating electricity is the largest single source of carbon emissions in the Isle of Man, accounting for around 35% of our annual total. In 2020, electricity generation on our ...

Current Energy Supply. Energy supply is the largest emissions category for the Isle of Man and accounts for 34% of total emissions. Currently, around 84% of the Island's electricity generated by Manx Utilities is from imported fossil fuels.

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Strategic priorities approved by Tynwald in 2013, focus upon using our natural resources to work towards building a post carbon fuelled Island, and to identify sustainable ways of reducing the financial and environmental cost of energy in the medium to long term.

o In December 2020, the Isle of Man Government launched its Future Energy Scenarios (FES) Strategy to determine the pathway to meet the following: o Electricity generation is now responsible for around 33% of all Greenhouse Gas Emissions on the Isle of Man.

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