



# Isle of Man power station home backup

Does the Isle of Man need a new interconnector?

Balancing the Isle of Man's electricity network requires stabilising power; this cannot be provided from sources which are reliant on the weather to produce electricity as these sources cannot be guaranteed at all times. In all scenarios the most cost-effective solution of providing this stabilising power is a new interconnector to the UK.

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.

Can pumped hydro storage be used on the Isle of Man?

Due to geography, these countries have fantastic potential for pumped hydro storage, which is the cheapest storage medium due to its relatively high efficiency. Such options are not available on the Isle of Man and the island would have to utilise sea water instead.

Would the Isle of Man need a power purchase agreement?

The Isle of Man would require a Power Purchase Agreement (PPA) or merchant trading of power to allow export to other jurisdictions. This would also require additional interconnectors between the Island and GB. As mentioned, these are unlikely to be economically favourable.

Will intermittent renewables be profitable for the Isle of Man?

It is unlikely that the export of intermittent renewables will be profitable for the Isle of Man given the reasons outlined in this document. The Isle of Man currently imports all of its energy from the UK (with the exception of what is produced from Sulby).

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Power Stations are situated at Pulrose, Peel, Ramsey and Sulby. Pulrose, including the CCGT, has a capacity of nearly 135MW. Peel has a capacity of nearly 40MW, a diesel generating station at Ramsey has a capacity of 3.6MW, and a small hydro station at Sulby has a capacity of 1.0MW.

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Championing the case for a high power radio station to rival Radio Luxembourg, to have been called "Radio Manx". ... Retailer on the Island we have always been the first to introduce new and innovative consumer technology to the Isle of Man. Nearly 100 years ago it was radio, 60 years ago it was television, and 50 years ago colour ...

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Our battery systems are from GivEnergy and are very flexible in their deployment, storage can be added in 8.2kWh chunks, the power generation is supplied in 3kW units. For example, you might have 2 power units, capable of offsetting the home with 6KW of continuous power, an electric oven, kettle and washing machine all on together might consume ...

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Isle of Man Future Energy Scenarios Report. The first strategic report highlighting five potential pathways to net zero for electricity generation on the Isle of Man has been completed in partnership with Ove Arup. A supporting information pack has been produced detailing the findings and the background to the findings.

NEL Power--Isle of Man Manx Electricity Authority, Pulrose Power Station Project Description The Pulrose Power Station was constructed to provide the Isle of Man with its own source of economical power allowing the Island to be less dependent on diesel engines and cable power supplied from England. In addition to efficiency,

We are specialists in standby backup and mains failure generators in Isle of Man DG1 4 and have installed many energy power systems. We may install backup services and products like electrical power generation and energy generation should the national grid electricity fail.

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