

How has electricity demand changed on the Isle of Man?

The annual electricity demand on the Isle of Man has gradually declined since 2012. Between 2012 and 2019, annual demand decreased by 17 GWh, or approximately 5%. The drop in annual electricity demand has been driven by decreases in residential and commercial demand; however, industrial demand has increased.

Can the Isle of Man provide stabilising power to GB or ROI?

Opportunities for the Isle of Man to provide stabilising power to GB or ROI from a large-scale baseload power station, e.g. biomass or a small modular reactor? Neither option is without challenge, but likely provide the greatest potential for export. These options have not been explored in the analysis.

Can the IOM become a net exporter of energy?

Once sufficient renewable capacity is developed, driven by offshore wind and behind-the-meter solar capacity, the IoM again has the potential to become a net exporter of energy from excess power generated by renewable sources. An alternative scenario 4 was also developed to satisfy 100% of the island's power demand through on-island generation.

Does the IOM electricity network have a good capacity?

The IoM electricity network has reasonable levels of capacity at present, at both transmission and distribution network level. Electricity networks are designed to operate under peak load (worst-case) conditions. These are typically associated with cold winter evenings.

What drives peak demand projections on the Isle of Man?

Peak demand projections are driven by total electricity demand on the Isle of Man. As a result, projections for peak demand follow a similar trend to the IoM total electricity demand projections. Initially, peak demand falls slightly across all scenarios, due to energy efficiency gains.

Does the IOM have a wholesale electricity market?

Whilst the IoM does not currently have a wholesale electricity market, Arup has modelled a hypothetical market to estimate projected price evolution for individual scenarios. This assessment is indicative and based on a series of assumptions about the evolution of demand and supply across both GB and IoM.

Jo is responsible for Guernsey Energy, Island Energy and Isle of Man Energy. Jo joined the company in 2021 with a wealth of experience in driving commercial growth and transforming businesses. Prior to this role Jo was Managing Director of Calvin Capital, which provides finance solutions across 27 retail gas businesses to deliver smart meter ...

ESC now has five corporate partners with Capital International Group sitting alongside Zurich - Isle of Man, KPMG in the Crown Dependencies, The Peel Group and Best Energy Solutions Limited.

But Ralph Peake, business director at the Isle of Man's ESC, says the island possesses all the right ingredients to "grow" its own energy. "We have an abundance of natural resources here in the Isle of Man," he said, highlighting the island's unique opportunity to capitalise on wind power.

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The energy sector is changing. We're having to re-evaluate our fundamental offering and consider how we contribute to a future that is greener, cleaner and better. Living in island communities amplifies this responsibility, as we can plainly see and imagine the impact that climate change is having on our coastlines, valleys, towns and wildlife.

Green experts and industry leaders across the Isle of Man recently came together to take part in a lively debate centered on sustainability. The roundtable event, which was hosted by Capital International Group at its offices in Douglas, was arranged by the Energy Sustainability Centre (ESC) in partnership with MMC and Media Isle of Man.

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.

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