



# Isle of Man solar power production

How will the Isle of Man generate electricity?

Plans to generate about 75% of the Isle of Man's electricity through solar and on-shore wind projects have been backed by the Council of Ministers. Manx Utilities (MU) will look to install solar panels on public car parks and government buildings. Wind turbines could also be built on public land to create 30MW of electricity by 2026.

Will the Isle of Man have a solar energy farm?

Plans have been submitted for the Isle of Man's first solar energy farm. The proposed 84-acre development in the south of the island would generate enough electricity to power nearly 8,000 homes per year, developers said.

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.

How much electricity does the Isle of Man need?

While average electricity demand on the Isle of Man stands at 40MW, it can peak at 75MW during the winter and drop at night during summer to 25MW. MU chairman Tim Johnston said "detailed work" to determine the best approach to increase renewable energy was underway.

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.

The Isle of Man produces more solar than you would think, even on an overcast day, we are still reaping the rewards of free electricity! A small solar array of 8 panels can produce 3630kwhrs of electricity and this equates to an annual cost saving of £1034.55.

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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

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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 ...

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"The solar farm would generate enough power to meet more than 7% of the Isle of Man's current electricity demand and support the Government's aim for electricity on the Island to be 100% green by 2030." The project represents an investment of around £30m across the 40-year anticipated life of the project, with no public investment.

Manx Utilities has today announced it is on schedule to deliver a 20 Megawatt windfarm and 10 Megawatts of solar power in 2026, as set out within Isle of Man Government's Island Plan.

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.

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