

>>> Why Wind Power?

RENEWABLE ENERGY IN SCOTLAND

The increased emissions reduction ambition set out in the Climate Change (Emissions Reduction Targets) (Scotland) Act 2019 will be very challenging to meet and will not be met without accepting a significant increase in the deployment of onshore Wind farms: it sets out a 75% emissions reduction target by 2030, 90% by 2040 and net-zero emissions by 2045.

Meeting Scotland's ambition to achieve net-zero climate change emissions by 2045 is an unprecedented challenge that will require fundamental and urgent changes in our society and the policies that shape it. Scotland's success in decarbonising its electricity system should not be used as the basis for complacency. It has taken nearly 20 years to decarbonise approximately 25% of our energy use; we have 25 years to decarbonise the remaining 75% with the majority of this effort needed over the next ten years.



The turbines shown in this image are for illustrative purposes only and are not intended to represent the proposed turbines

SUBSIDY - FREE

Over the last few years the onshore wind sector has transitioned through substantial market change and has evolved towards a subsidy free market place. The Scottish Government recognises in their Onshore Wind Policy Statement that developments capable of exploiting better wind resource are more likely to achieve a cost effective route to market and therefore make the continued contribution to targets. The industry has responded to this with an evolution and refinement in terms of technology, such as larger, more efficient turbines.

Energiekontor is an established developer, committed to developing robust projects which balance commercial, planning and environmental constraints. Their projects present an opportunity to realise benefits for the local and national economy, as well as make a substantial contribution to helping to meet renewable energy targets.

ENERGY INDEPENDENCE

Scotland's long-term climate change targets will require the near-complete decarbonisation of our energy system by 2050, with renewable energy meeting a significant share of our needs. For energy security we require a mix of generating technologies. Having more home-grown energy sources such as onshore wind, combined with demand-side response and improvements to the network, will help to protect UK consumers and businesses. Onshore wind is the cheapest form of new power generation in Europe today.

CLIMATE CHANGE

The UK and Scottish Government has recently declared a Climate Emergency. Scotland has a long history of supporting EU Climate Change and Energy Policy. This in turn feeds into our Scottish policy.

LARGEST UK RENEWABLE ENERGY SOURCE?

In 2018, renewable sources generated 26,708 GWh, 74% of Scotland's electricity, and 71% of that was from onshore wind.

Between January and March 2019, renewables generated 31.2% of UK electricity. Onshore wind can also make a real contribution to carbon reduction targets. In 2018 the UK government estimated that renewable generation has enabled the nation to reduce its CO₂ emissions by 25 million tonnes annually by switching away from fossil fuels.