

RENEWABLE ENERGY: DELIVERING FOR MID-SCOTLAND AND FIFE



Across Mid-Scotland and Fife, Scotland's renewable energy industry is working to harness our world-leading natural resources to generate the clean energy we need to run our lives while tackling climate change.

This factsheet shines a spotlight on just some of the renewable energy projects in Mid-Scotland and Fife which are building healthier communities, creating green jobs and investment and making vital progress in tackling the climate emergency.

Renewable energy facts: Mid-Scotland and Fife

1. Over half of the region's renewable energy capacity is onshore wind at 53%, followed by hydropower at 31%.¹
2. Scotland has 11.9GW of renewable electricity generation capacity – 1.2GW are in Mid-Scotland and Fife.²
3. Every year onshore wind farms in the region contribute £1,597,234 of community benefit funding - money which would not otherwise be available for good causes.³

The Stirling Renewable Heat Project

Buildings in the Forthside area of Stirling are receiving heat generated from waste water due to a ground-breaking £6 million project.⁴ The first of its kind in the UK, the scheme uses a unique mix of cutting-edge technologies to take heat from waste water from the treatment works in Forthside, which is then processed through an on-site energy centre and distributed through Stirling Council's District Heat Network.

The Stirling District Heat Network delivers low-carbon heat and energy cost savings to a number of public buildings, saving users up to 10% on their heating bills. This scheme, which is designed for

future potential expansion, will help to save a projected 381 tonnes of carbon per annum, whilst benefitting communities through regeneration and jobs in the growing renewable heat sector.

Scottish Renewables is calling for The Scottish Government to deliver and expand heat networks across Scotland's cities and towns.

1. Scottish Energy Statistic Hub. Renewable electricity capacity by local authority (2019)
2. Scottish Energy Statistic Hub. Displaced emissions (2019) and renewable energy electricity generation by local authority (2019).
3. Local Energy Scotland
4. <https://www.scottishwater.co.uk/about-us/news-and-views/2019/11/071119stirling-dhn>



SSE

Headquartered in Perth, SSE is a leading developer and operator of renewable energy across the UK and Ireland, with a portfolio of around 4GW of onshore wind, offshore wind and hydropower.⁵ Employing more than 10,000 staff and with an economic contribution of £5.2 billion, SSE is aiming to deliver enough new renewable projects by 2030 to treble its renewable energy output from 2019 levels.⁶

Across Perth and Kinross SSE's renewable developments are driving forward Scotland's clean energy revolution. The Calliachar and Griffin onshore wind farms near Aberfeldy and Drumdreg wind farm near Bridge of Cally

will bring £13.6 million in community funds over their lifetimes.⁷ SSE also has a rich history of hydropower across Perthshire, including the iconic Tummel scheme, which contains nine power stations and four dams, with a combined generation capacity of 225MW.

Scottish Renewables is calling for a low-carbon assessment to be introduced into Scotland's planning system to ensure more renewables developments can proceed.



Pict Offshore

Fife-based Pict Offshore is a new joint venture between Ørsted, the world's largest developer of offshore wind, and Limpet Technology, a Scottish height safety innovator. Its first product, the 'Get Up Safe' (GUS) system, is a heave-compensated personnel hoist aimed at transforming the way maintenance technicians access offshore wind turbines. Each high-tech system is assembled at a bespoke facility in Inverkeithing with fabricated parts sourced from local suppliers.

In October 2020 Pict announced a multimillion-pound contract to supply 165 GUS systems

to Orsted's Hornsea Two offshore wind farm. The presence of a GUS system on each turbine at Hornsea Two makes it the first offshore wind farm to entirely design-out boat landing structures on the turbine's foundations. Ladders are no longer necessary, streamlining the foundation and reducing steelwork requirements - a bold and transformative move which will increase safety and reduce costs for offshore wind farms.

To support more supply chain businesses to grow, Scottish Renewables is calling for the delivery of a Renewable Energy Economic Plan to develop all parts of Scotland's renewable energy economy.



5. <https://www.sserenewables.com/who-we-are/>
6. Powering Change SSE PLC Annual Report 2021 - <https://www.sse.com/media/rwhbww02/sse-annual-report-2021.pdf>
7. <https://www.sserenewables.com/onshore-wind/great-britain/griffin/>

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