



SP Energy Networks Sanquhar: New Substation

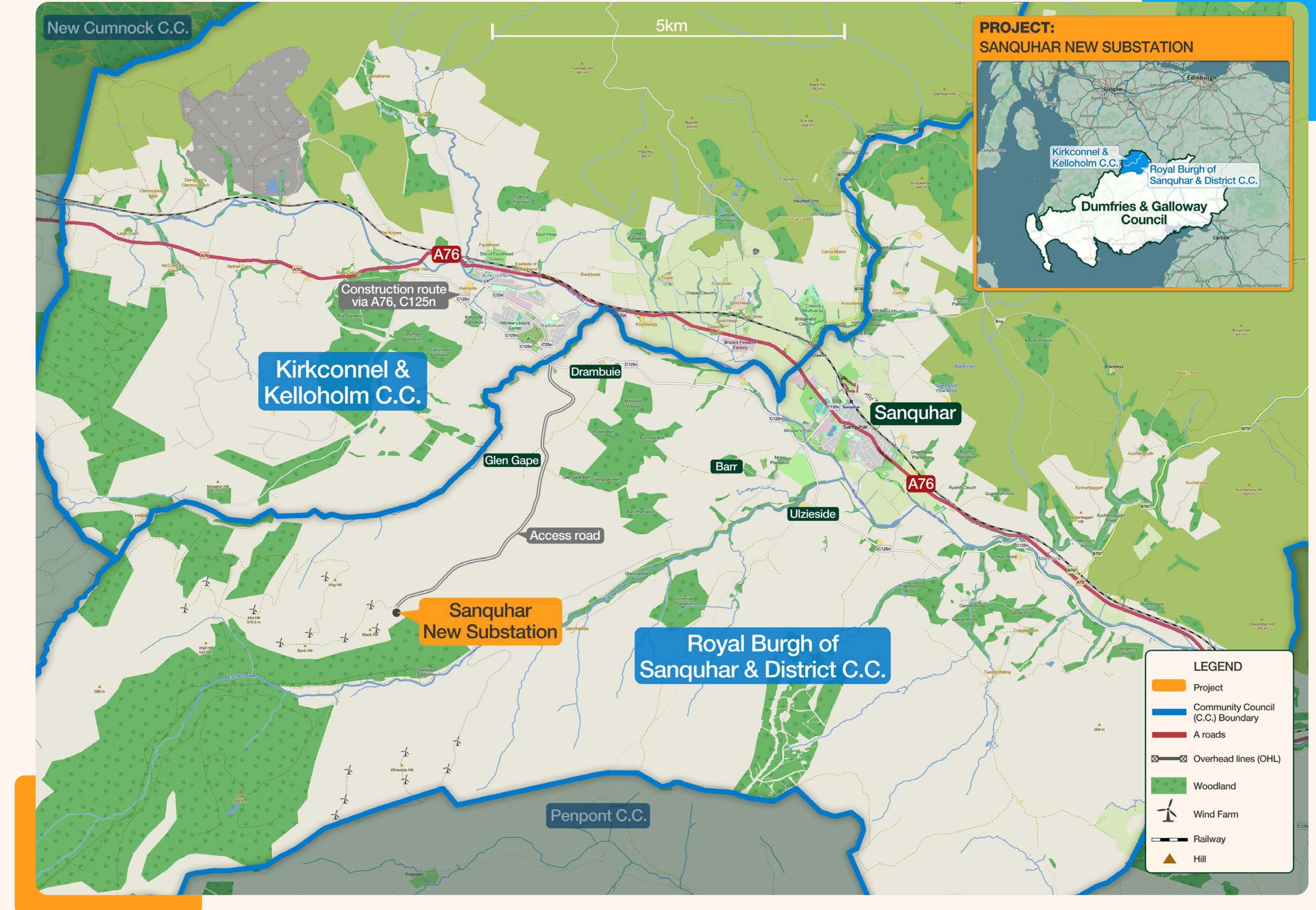


Representative imagery

Strengthening Scotland's grid for a cleaner tomorrow

Sanquhar II Wind Farm will be one of the UK's largest onshore wind farms - and SP Energy Networks is making sure its clean power is able to reach homes and businesses across Scotland.

We are building new transmission infrastructure to carefully connect Sanquhar II's green energy to where it is needed in the wider grid; including a brand-new substation. This project will help meet the growing demand for renewable energy and plays an important role in delivering Scottish net zero targets.

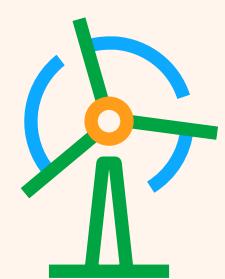


What's happening at Sanquhar II?

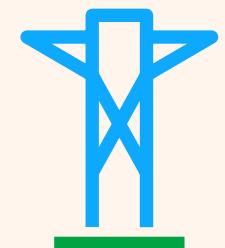
To connect Sanquhar II Wind Farm to Scotland's energy grid, we're building a new substation at the site as part of our wider improvements to connect more green energy into the electricity network.

The substation will boost renewable power capacity by moving the wind-generated electricity safely and efficiently from Sanquhar II to where customers need it. The project also includes a battery energy storage facility to help balance supply and demand.

Once complete, the connection will:



Unlock renewable energy: The substation will allow wind power from Sanquhar II to flow into the network, helping reduce carbon emissions.



Improve reliability: Improved power capacity reduces the chance of disruptions and keeps supply stable for customers.



Keep bills down: By upgrading now, we can avoid bigger and more expensive works later – helping to protect customers from higher costs.

Did you know?

A substation is like a hub for electricity. It manages how power flows from where it is generated (like wind farms) to where it is used (like your home or school). It can also change the voltage to make sure electricity travels safely across long distances.

A wind farm is a group of wind turbines that work together to make electricity. The wind turns the blades of each turbine, which spins a machine inside to create clean, renewable energy. They are often built in open, windy places - like hills or coastlines - so they can capture as much wind as possible. The power they produce is sent into the electricity grid and used in homes, schools, and businesses.

By adding new substations and upgrading the grid, SP Energy Networks is helping Scotland move to a cleaner, more reliable energy system.



Who will benefit?

This project will support communities across Dumfries & Galloway and East Ayrshire by strengthening the electricity grid and enabling more clean energy to enter the system. It also supports Scotland's energy security by making sure that power from large-scale renewable projects like Sanquhar II can reach customers across the country.

Why it matters

The Sanquhar II Wind Farm connection will:

- **Support net zero:** By connecting more clean power to the grid, this project helps Scotland reduce carbon emissions.
- **Boost energy capacity:** The new substation will strengthen the electricity network enabling it to handle more power – and prepare for future growth in demand.
- **Support future growth:** The grid needs to be ready for technologies like electric vehicles, battery storage, and heat pumps.
- **Reduce costs for customers:** Expanding network capacity now helps avoid costlier network upgrades in the future, protecting consumer bills.
- **Bring investment:** Our overall work to expand and strengthen the grid will bring more local jobs into the sector.
- **Benefit local communities:** A Community Benefit Fund is available for each phase of the project to support local projects and priorities.

Community Benefit Fund

As with all our major transmission projects, a Community Benefit Fund will be made available to support local initiatives. This is a voluntary scheme designed to ensure the community shares in the benefits of the project.

SP Energy Networks: Who are we?

SP Energy Networks are Transmission Operators (TO) - we look after the high voltage power lines and pylons that carry electricity across central and southern Scotland, moving energy from where it's made to where it's needed. Our job is to help deliver cleaner, greener energy to homes and businesses by connecting more renewable energy, adding substations and lines, and improving the grid.



Learn more and get in touch



Visit our site:

spenergynetworks.co.uk/pages/community_benefits_funding.aspx



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