



SP Energy Networks **Mark Hill: Substation Upgrade**

Representative imagery

Bringing cleaner, more reliable energy to South Ayrshire

SP Energy Networks is working on a major electricity transmission project at Mark Hill, South Ayrshire to help improve the local electricity grid – bringing cleaner, greener energy to your homes and businesses, while boosting network capacity and reliability.

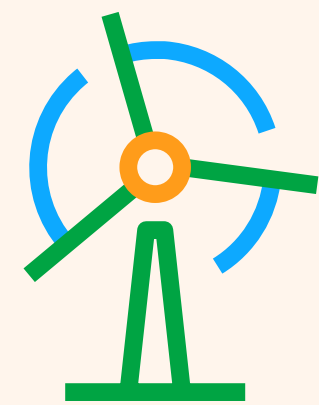
The work involves upgrading and expanding the existing Mark Hill substation to help future-proof the electricity network for local communities.

The upgrade is part of wider efforts to support Scotland’s net zero goals by helping wind farms in the area connect to the grid and carry their electricity where it’s needed.



What's happening at Mark Hill?

We are expanding Mark Hill Substation by installing a new supergrid transformer (SGT4). This will enhance network capacity and improve reliability of supply for customers. It also supports:



More green energy: Making it easier to connect wind and other renewable power sources, helping Scotland cut carbon emissions and meet climate goals.



Keeping bills down: Upgrading now helps avoid bigger and more expensive works later – protecting customers from higher costs.



Being future-ready: Making the region better prepared for additional demand from things such as electric cars and heat pumps.



Did you know?



A substation is a key part of the electricity network. It acts like a switchboard, helping to manage and control the flow of electricity from power sources like wind farms to the homes and businesses that use it.

A transformer changes the voltage of electricity. It either increases the voltage to send electricity over long distances, or reduces it so it's safe to use in homes and businesses.

Representative imagery

Who will benefit?

Improving capacity at Mark Hill will benefit homes and businesses across South Ayrshire and the wider region. It ensures our network can handle extra electricity from renewable sources, for a more reliable supply - and a grid that's better prepared for the future energy needs of customers, for things like electric vehicles and heat pumps.

Why it matters

The Mark Hill project will:

- **Support net zero:** Helping cut carbon by increasing access to clean, renewable energy for Scottish customers.
- **Boost energy capacity:** The new substation will strengthen the electricity network so it can handle more power.
- **Improve reliability:** Delivering a more consistent power supply for customers.
- **Support future growth:** The local area will be able to support additional demand in future, from technologies like electric vehicles or heat pumps.
- **Bring investment:** Our overall work to expand and strengthen the grid will bring more local jobs into the sector.
- **Reduce costs for customers:** Expanding network capacity now helps avoid costlier network upgrades in the future, protecting consumer bills.
- **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. You can find out more by visiting our website.

SP Energy Networks: Who are we?

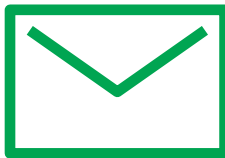
SP Energy Networks are Transmission Operators (TO) - we look after the high voltage power lines and pylons that carry electricity across central and southern Scotland, moving energy from where it's made to where it's needed. Our job is to help deliver cleaner, greener energy to homes and businesses by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