



SP Energy Networks
LWUP & ECUP:
Kincardine North Substation and
associated overhead line works

LWUP and ECUP

Substation and associated overhead line works

SP Energy Networks (SPEN) is developing a new 400kV substation just north of Kincardine in Fife, alongside making changes to nearby overhead lines. The project will upgrade key parts of the transmission network from 275kV to 400kV, helping the grid carry more clean electricity safely and efficiently through central and eastern Scotland.

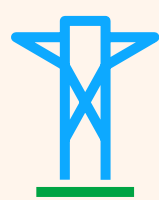
These works are part of two coordinated reinforcement programmes: LWUP, the Kincardine North 400kV Reinforcement, and ECUP, the East Coast Incremental 400kV Reinforcement. Overall, our collective work on these projects will help connect more renewable electricity sources into the grid, and meet growing demand from electric vehicles, heat pumps and wider electrification.



What's happening at Kincardine North?

SPEN is developing a new 400kV substation north of Kincardine, supported by associated changes to existing overhead lines. These works will allow key lines in the area to be uprated from 275kV to 400kV, increasing the amount of electricity the network can carry. It will also support the decommissioning of the old Longannet 275kV substation, which is nearing the end of its operational life.

Together, the project will help:



Increase network capacity: The new 400kV substation and associated overhead line works will help the electricity network carry more power.



Support cleaner energy: Strengthening the grid will help move more renewable electricity from where it is generated to homes, businesses and public services.



Improve reliability: Upgrading key infrastructure helps maintain a more stable and secure electricity supply.



Prepare for future demand: The network will be better equipped for growing electricity use from electric vehicles, heat pumps and other clean technologies.



Keep bills down: Improving the network now helps avoid bigger and more costly upgrades in the future.

Did you know?



A **400kV substation** is a major hub in the electricity network. It helps manage very high-voltage electricity so large amounts of power can move safely and efficiently over long distances.

Upgrading an overhead line means upgrading it so it can carry electricity at a higher voltage. At Kincardine North, this will help increase parts of the network from 275kV to 400kV.

A **substation** is like a switchboard for electricity. It helps control how power flows through the network and makes sure electricity can travel safely and reliably.



Who will benefit?

Homes and businesses across central Scotland and the wider electricity network will benefit from a stronger and more reliable transmission system. The Kincardine North works will help ensure the grid has the capacity needed to carry more renewable electricity and meet future demand from electric vehicles, heat pumps and other clean technologies.

Why it matters

The LWUP & ECUP project will:

- **Support net zero:** Strengthening the grid helps more clean electricity move through the network.
- **Boost energy capacity:** The new substation and uprated overhead line will allow the network to carry more power.
- **Improve reliability:** The project will help provide a more secure and consistent electricity supply.
- **Support future growth:** The network will be better prepared for increased demand from electric vehicles, heat pumps, battery storage and other technologies.
- **Reduce costs for customers:** Upgrading now can help avoid more expensive works later.
- **Bring investment:** The project forms part of SP Energy Networks' wider investment in a stronger, cleaner electricity system.
- **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?

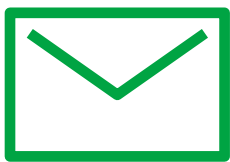
SP Energy Networks are Transmission Operators. We look after the high-voltage power lines and pylons that carry electricity across central and southern Scotland, moving energy from where it is made to where it is needed. Our job is to help deliver cleaner, greener energy to homes and businesses by connecting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