SP Energy Networks

Meadowmill:
Cockenzie Substation

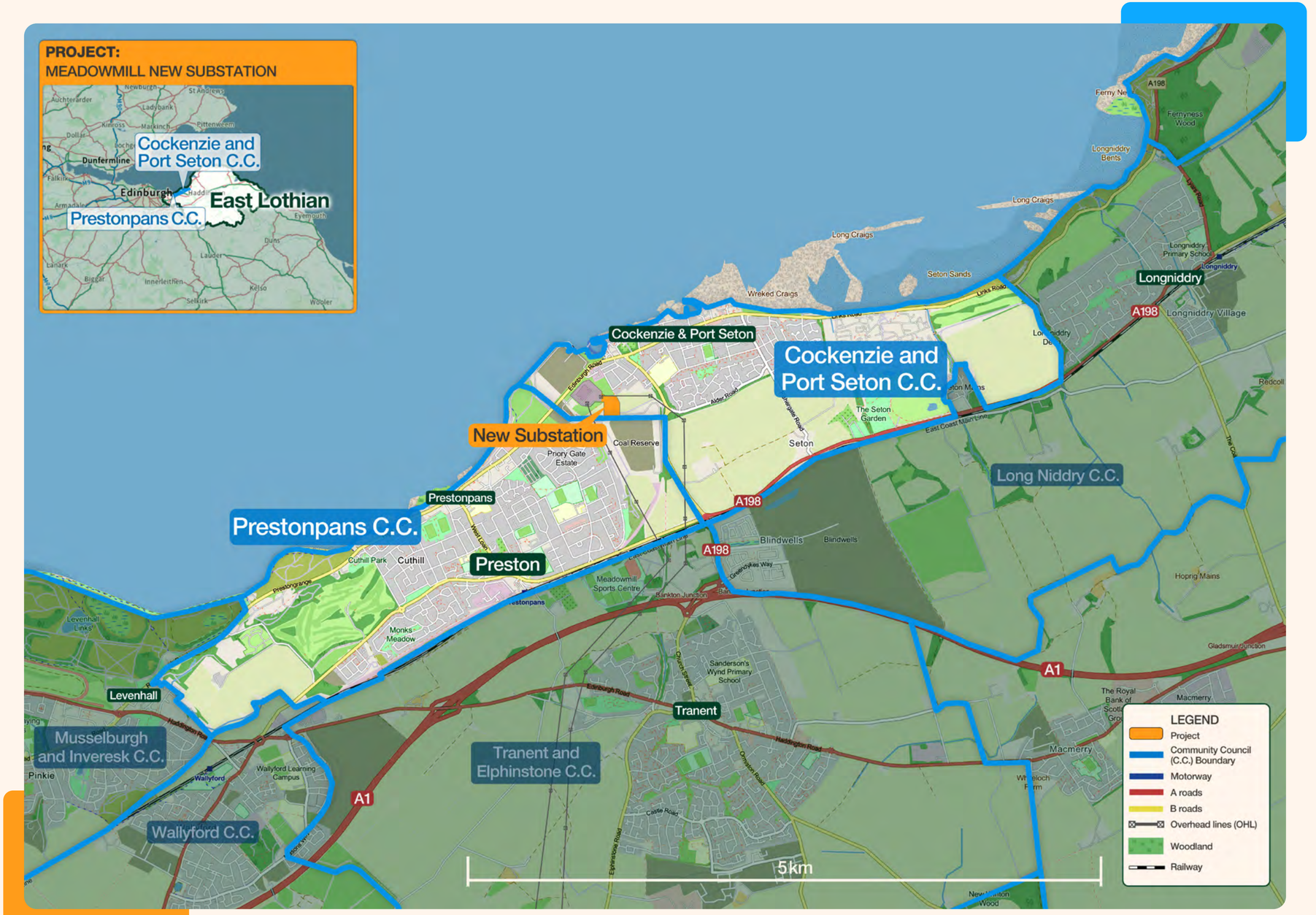
Representative imagery

Meadowmill: Cockenzie Substation

Building new capacity for the electricity network

SP Energy Networks (SPEN) is building new electricity infrastructure at Meadowmill, near Prestonpans, as part of wider work to strengthen the transmission network in the Cockenzie area.

The project involves constucting a new substation that will act as a hub for electricity, helping power move safely and efficiently between different parts of the network. As more electricity is generated and demand grows, the grid needs more capacity. This project will help make sure the network can carry more power, support cleaner energy and remain reliable for homes and businesses.



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What's happening at Meadowmill?

SPEN is installing a new 400/132kV substation at Meadowmill, and connecting it into the existing overhead line network. The connection will be made through an existing transmission tower, known by SPEN as tower ZA001A. Other equipment like a supergrid transformer will be constructed at the site.

Once complete, it will help manage the flow of electricity, enabling it to be moved more efficiently from the main high-voltage transmission system into the wider regional network.

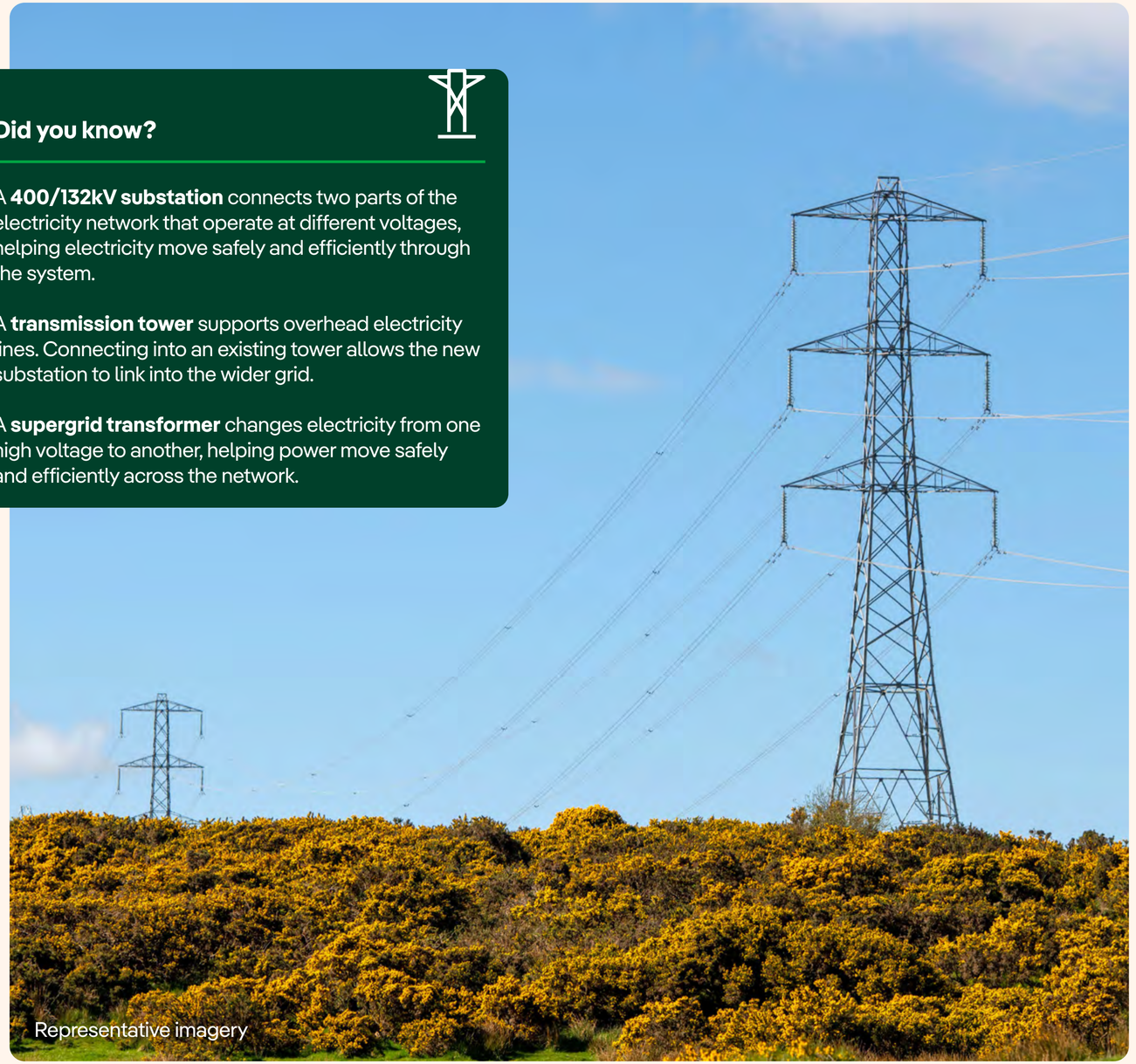
Once complete, the project will:

Increase network capacity: The new substation will enable the grid to carry more electricity safely and efficiently.

Support cleaner energy: Make it easier to connect and move more renewable and low-carbon electricity.

Improve reliability: Provide a more secure and consistent power supply for customers.

Prepare for future demand: Ensure the network can support growing electricity use from electric vehicles, heat pumps, battery storage and other technologies.



Did you know?

A **400/132kV substation** connects two parts of the electricity network that operate at different voltages, helping electricity move safely and efficiently through the system.

A **transmission tower** supports overhead electricity lines. Connecting into an existing tower allows the new substation to link into the wider grid.

A **supergrid transformer** changes electricity from one high voltage to another, helping power move safely and efficiently across the network.

Representative imagery

Who will benefit?

Homes and businesses across East Lothian and the wider electricity network will benefit from a stronger and more reliable grid. The Meadowmill: Cockenzie project will help ensure the network can carry more electricity, support cleaner energy, and meet future demand.

Why it matters

The Meadowmill: Cockenzie project will:

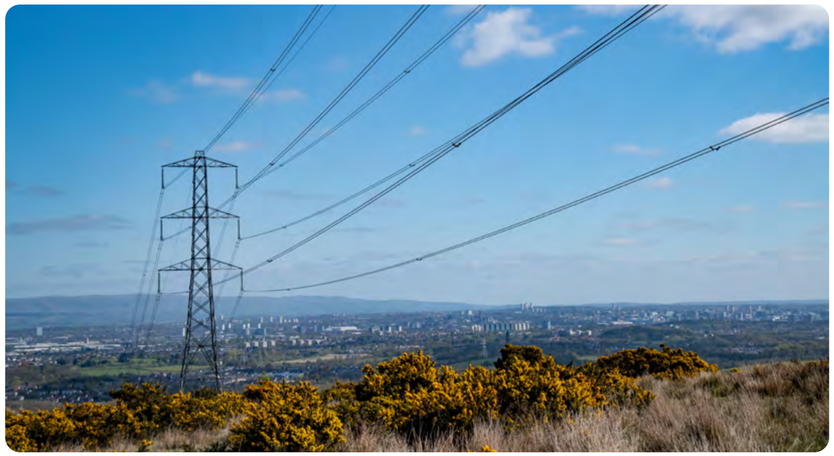
- **Support net zero:** Strengthening the network helps more clean electricity connect into the grid.
- **Boost energy capacity:** The new 400/132kV substation will increase the amount of power the network can manage.
- **Improve reliability:** The project will help maintain a more secure electricity supply for customers.
- **Support future growth:** The grid will be better prepared for increasing demand from electric vehicles, heat pumps and battery storage.
- **Strengthen the transmission network:** Connecting into the existing tower route will help improve how electricity moves through the wider system.
- **Bring investment:** The works form part of SPEN's wider investment in a stronger electricity network.

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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