

# Why do we need to extend Clydesmill substation?



## **Much of the electricity transmission network in Scotland is between 50 and 100 years old.**

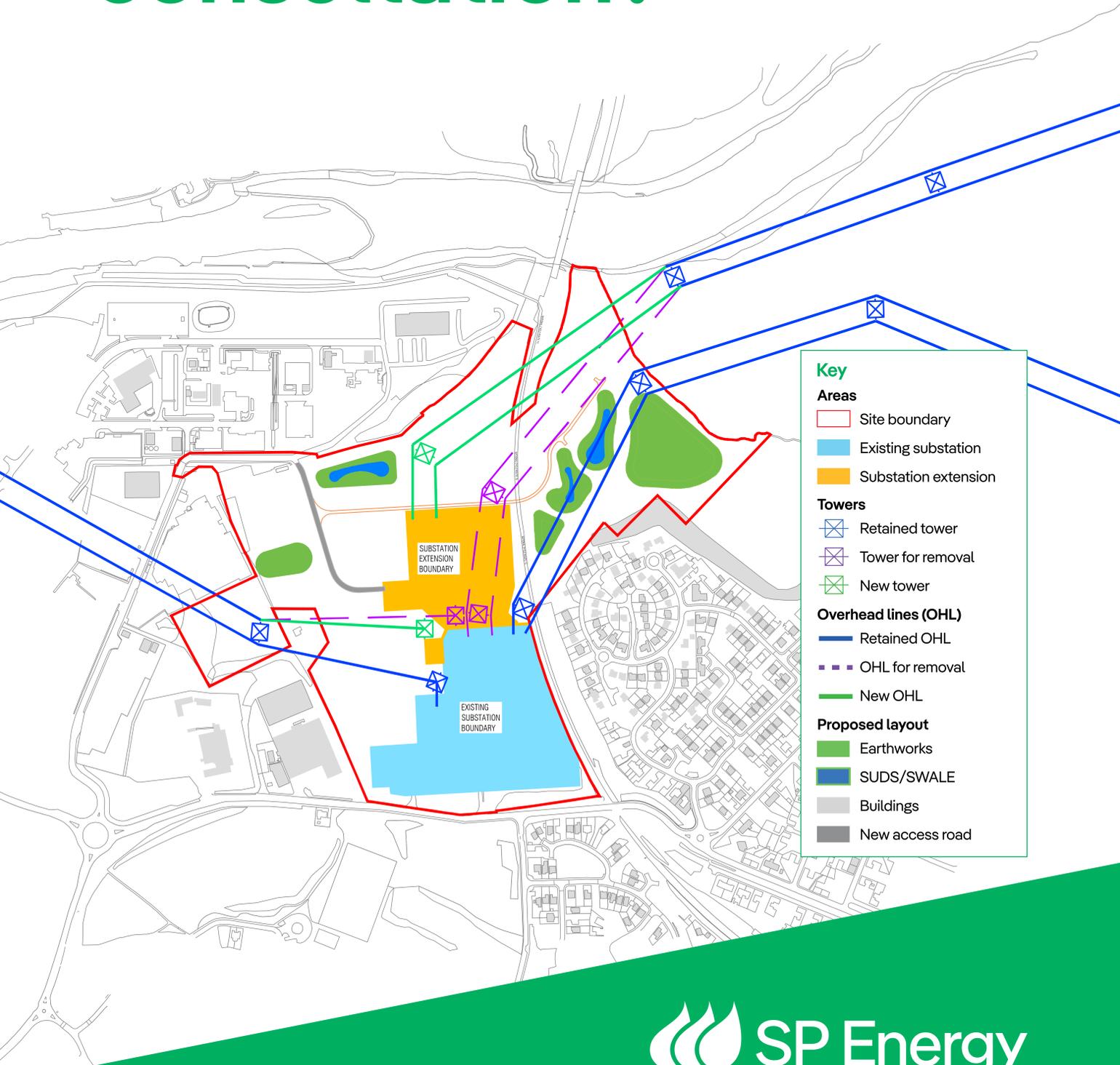
It has grown and evolved to meet industrial needs and serve the expanding population, but the network in central Scotland will soon be at full capacity – unable to accommodate all the clean, green renewable energy we will all need in future.

We need to increase the voltage of the overhead lines in this area from 275kV to 400kV so we can get more energy from where it's produced to where it's needed.

Extending Clydesmill substation to accommodate new 400kV transformers and equipment will allow the voltage of a circuit on the existing overhead line between Clydesmill and Denny North substations to increase from 275kV to 400kV.

This will contribute to connecting Clydesmill to the planned new Kincardine North substation to ensure greater security of electricity supply in future for the surrounding area, including Easterhouse, Cambuslang, East Kilbride, and Newarthill.

# What has changed since our previous consultation?



We considered all feedback received on the early proposals we shared in February 2025, and following further technical and environmental assessments, we have revised our design as follows:

- Red line boundary (the area covered by our planning application) extended to allow for substation platform, access road and drainage solution.
- Number of access roads reduced from two to one.
- Sustainable Drainage System (SuDS) basins redesigned, based on progress in drainage solution design and changes to platform outline and access roads.
- Maintenance trackway added for SuDS pond in east of site.
- Reduction in length of access tracks for SuDS maintenance and welfare compound, near site entrance.
- Platform for 400kV substation extension will now be level with existing platform.

# Overhead line changes



**We will need to uprate one of the circuits – the east side – of the existing ZD overhead line between Clydesmill and Denny North substation from 275kV to 400kV to increase network capacity and ensure greater security of energy supply for the local area in future.**

At Clydesmill we will need to install one new tower (pylon) and a section of overhead line to the north of the site, to replace one tower and a short section of overhead line. South of the site we will need to install one new tower and remove two existing towers.

# We want to hear your views!



**Our public consultation runs from Monday 09 February 2025 to Friday 27 February 2025.**

SPEN attaches great importance to the effect our work may have on the environment and local communities. We want to hear what local people think about our plans, to help us develop the project in the best way.

Please give us your views on the proposed extension to Clydesmill substation, the proposed increase in voltage to the existing ZD overhead line route, and the proposed alterations to overhead lines at Clydesmill substation.

You can find more information, project documents and plans, and an online feedback form at our project website:



[www.spenergynetworks.co.uk/dwup](http://www.spenergynetworks.co.uk/dwup)

At this stage, your comments are not representations to the consenting authorities. It is when we submit applications for development consent in the future that you will be able to make formal representations to the consenting authorities.

# What happens next?



**Following this round of consultation, we will finalise our design for the substation layout, including proposed locations for buildings, equipment, internal access routes, landscaping and drainage.**

We will be hosting additional events to present our detailed plans and explain how we have considered any feedback received. Details of those events are as follows:

**Wednesday 18 March, 10am to 2pm:  
Halfway Hall, 26 Graham Avenue, Cambuslang,  
Glasgow G72 7RB**

**Friday 20 March, 2pm to 7pm:  
Cambuslang Institute, 37 Greenlees Rd, Cambuslang,  
Glasgow, G72 8JE**

We plan to submit a planning application under the Town and Country Planning (Scotland) Act 1997 (as amended) to South Lanarkshire Council in 2026. We will also submit an application to the Scottish Government Energy Consents Unit, under Section 37 of the Electricity Act 1989, for the proposed changes to the overhead lines and uprating in voltage.