



# Clydesmill Substation Extension and Overhead Line Upgrade

## Public Consultation

SP Energy Networks is upgrading the grid in central and southern Scotland. With total electricity demand set to double by 2050, we need a grid that's ready to meet future energy needs, while boosting the nation's energy security for generations to come.

To help make this happen we need to extend our Clydesmill substation, in Cambuslang, and increase the voltage of an existing overhead line between Clydesmill and Denny North substation. This will help strengthen the electricity transmission network and guarantee secure energy supplies for the future.

In February 2025 we consulted local people on our initial proposals. We have now refined our plans, and we are holding a further public consultation so local people can give us their views.

This leaflet tells you about the plans, where to find more information, and how you can comment.

**The public consultation runs from Monday 09 February to Friday 27 February 2026.**

## 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 is approaching full capacity – while our need for clean, green renewable energy continues to grow.

More onshore and offshore wind farms, solar energy and battery storage sites are connecting to the power network. That means we need to increase the voltage of the overhead transmission lines in this area, in keeping with the wider electricity transmission network, to create more capacity so we can get the 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 substation to increase from 275kV (275,000 volts) to 400kV.

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

## What will happen at Clydesmill substation?

The proposed extension to the existing Clydesmill 275kV substation will have similar equipment to our Kilmarnock South substation, pictured on the front of this leaflet. The works will include new equipment and security fencing, earthworks and drainage improvements, vehicle access and parking.

## 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

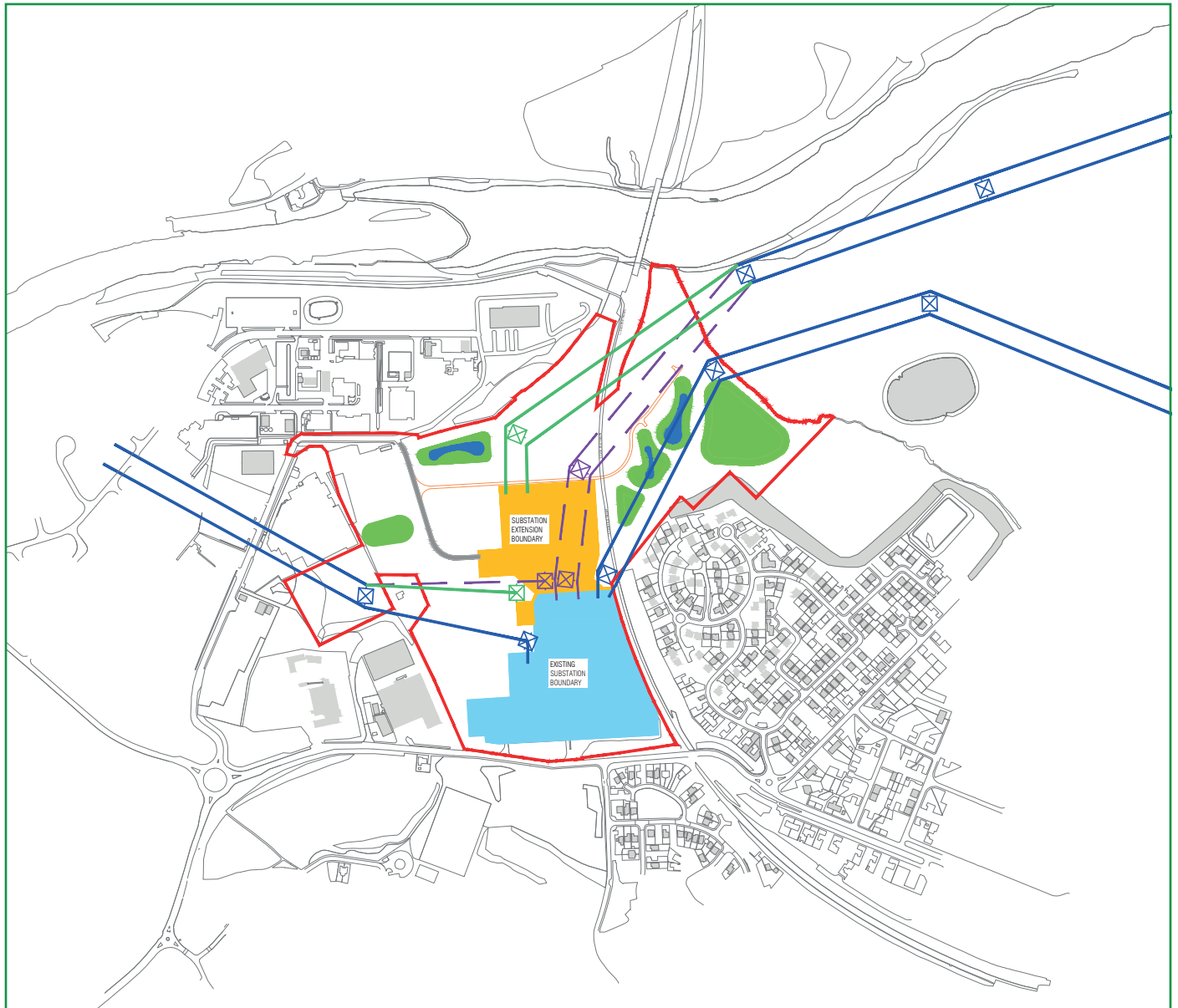
We need to upgrade one of the circuits on the east side of the existing overhead line between Clydesmill and Denny North substation from 275kV to 400kV to increase network capacity and ensure greater security of energy supply for the local area in future.

We also need to make changes to two existing overhead lines where they enter Clydesmill and Denny North substations. At Clydesmill we need to install one new tower 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 need to install one new tower and remove two existing towers.

The works at Denny North substation will include two new towers and two new spans of overhead line. For clarity, this work will be carried out separately as part of the Denny to Wishaw Network Upgrade project.

The proposed changes at Clydesmill are shown on the plan in this leaflet. A more detailed plan is also available on the project website.

# Clydesmill substation extension layout plan



## Key

### Areas


 Site boundary

 Existing substation

 Substation extension

### Towers

 Retained tower

 Tower for removal

 New tower

### Overhead lines (OHL)

 Retained OHL


 OHL for removal

 New OHL

### Proposed layout

 Earthworks

 SUDS/SWALE

 Buildings

 New access road



## We want to hear your views

**Our public consultation runs from  
Monday 09 February to Friday 27  
February 2026.**

Considering our impact on the environment and engaging with our local communities is paramount from the outset of every project. That's why we want to hear what local people think about our plans, as your feedback is invaluable in helping us to shape each project.

Local residents are invited to our public exhibitions where you can see our plans in more detail, meet the project team and ask any questions you may have:

Wednesday 11 February, 10am to 2pm: **Halfway Hall, 26 Graham Avenue, Cambuslang, Glasgow G72 7RB**

Friday 13 February, 2pm to 7pm: **Cambuslang Institute, 37 Greenlees Rd, Cambuslang, Glasgow, G72 8JE**

All project documents are also on the project website, where an online feedback form will be available during the consultation period. If you don't have internet access, you can call the Freephone number 0800 470 2376 to ask any questions you may have or to request a paper feedback form, supplied with a Freepost envelope so you can complete it and return it to us free of charge.

## 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.

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



## How to contact us

You can email us at: [clydesmill@communityrelations.co.uk](mailto:clydesmill@communityrelations.co.uk)

You can call us **free of charge** on: Freephone **0800 470 2376**

You can write to us **free of charge** at: **FREEPOST SPEN DWUP**

You can find more information about the project on our website: [www.spenergynetworks.co.uk/dwup](http://www.spenergynetworks.co.uk/dwup)

