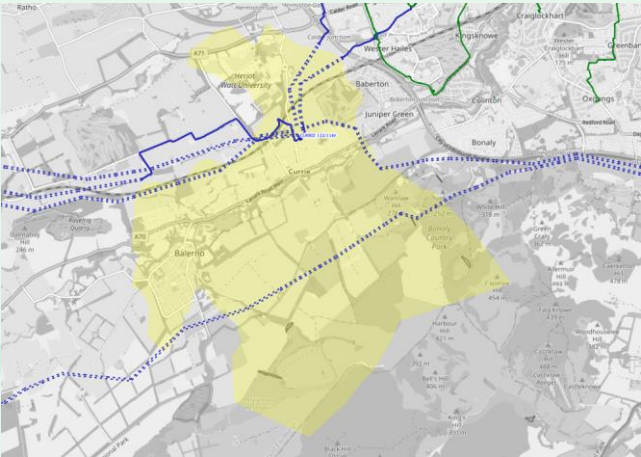


New Currie GSP

Reinforce without flexibility



The Currie demand groups supply ca. 5,000 customers and is geographically located in the Edinburgh & Borders region of SP Distribution (SPD) licence area. The existing Grid Supply Point (GSP) is a non-standard 132/11kV supply.

Constraint

FAULT LEVEL

The 11kV peak make fault level exceeds the design limit and the RMS break duty is approaching 95%. The main reason for the high fault level is due to high fault level infeed from the transmission network. Since 2018, several applications have been withdrawn due to the issue of fault level infeed into the site with various LCT applications unable to proceed due to the fault level constraints at the site.

Decision

Reinforce without flexibility

It is proposed to standardise the site by establishing a 132/33kV 60MVA Grid Supply Point (GSP), a new indoor 33kV switchboard and a local 33/11kV 20MVA Currie Primary substation. Install 11kV interconnection with Kirknewton Primary to support network demand during online build stage.

Justification for decision

Due to the predicted increase in fault levels, operational management is not an enduring solution. Flexibility would not relieve fault level constraints.

Flexibility product

N/A

Constraint season(s)

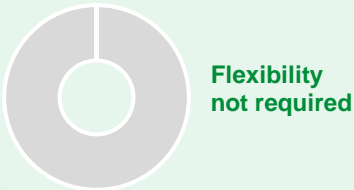
Year round

Guide price

Competition closed

Reinforcement timescale

2025/26



Flexibility Tendering

Closed

We are not currently tendering for flexibility services at this location.

Technical Appraisal

More detailed technical information on the nature of the constraint, network impacts, solutions considered and selected intervention are available in this scheme's [Engineering Justification Paper](#)

To ensure that our plans and publications cover the needs of our stakeholders, customers, and the communities we serve, we welcome ongoing feedback.

Feedback can be emailed to: systemdesignteam@spenergynetworks.co.uk

Flexibility position at March 2024	2023/24	2024/25	2025/26	2026/27	2027/28
Risk duration (hrs)					
Flexibility required (MW)					
Flexibility procured (MW)					
Flexible MW capacity met (%)					