## Kaimes GSP reinforcement



Flexibility

Tondoring

Open

Reinforce, supported by flexibility



Kaimes 275/33kV Grid Supply Point (GSP) is located in the Edinburgh and Borders district of SP Distribution, providing supplies to ca. 53,000 customers via eleven primary substations. The Kaimes network is a mixture of urban and rural environments, comprising a mix of underground cable (UGC) and overhead line (OHL).

Constraint	<b>THERMAL and SECURITY OF SUPPLY</b> Peak demand at Kaimes Grid Supply Point (GSP) is forecast to exceed the firm capacity within the RIIO-ED2 period. Furthermore, peak demand by the end of RIIO-ED2 is forecast to exceed the first circuit outage security. Without mitigation this site is predicted to become non-compliant with EREC P2/8 during the RIIO-ED2 price control period.	We are tendering for flexibility services at this location. More information is available on the <u>PICLO Flex website</u>
Decision	<b>Relocate two primary substations to Whitehouse GSP</b> Off-load demand by relocating Kings Buildings and Lugton primary	
	substations to the adjacent Whitehouse GSP, which involves installation of	
	three new 33kV circuits. Contract flexibility services to support the network during the project delivery. Flexibility services will be further used across the group to manage extant thermal constraints. The proposed solution would delay installation of a new GSP to the middle of RIIO-ED3.	Technical Appraisal
Justification for decision	Sufficient flexibility to defer reinforcement of new GSP into RIIO-ED3, enabling smaller scope of reinforcement to be progressed in RIIO-ED2. Flex has been procured to support the network during reinforcement; a second competition remains open for flexibility provision later in the period.	More detailed technical information on the nature of the constraint, network impacts, solutions
Flexibility product	SECURE	considered and selected intervention are available in this scheme's
Constraint season(s)	Winter	<b>Engineering Justification Paper</b>
Guide price	Arming fee up to £34/MW/hr Utilisation fee up to £41/MWh	
Reinforcement timescale	2026/27	To ensure that our plans and publications cover the needs of our stakeholders,
/24 2024/25	2025/26 2026/27 2027/28	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)	-	30	277	18.5	100.0
Flexibility required (MW)	-	3.6	14.2	8.2	21.0
Flexibility procured (MW)	0.1	4.2	17.1	0.9	2.6
Flexible MW capacity met (%)	>100%	>100%	>100%	0%	0%