## New Redshaw GSP

Risk duration (hrs)

Flexibility required (MW)

Flexibility procured (MW) Flexible MW capacity met (%)



Reinforce without flexibil	ity			Flexibility Tendering Closed
Image: the two sets of the two	Constraint	<b>FAULT LEVEL</b> The peak make fault level at the Linnmill GSP 33kV switchboard exceeds the network design limit and the RMS Break is above 95% of the design limit, which would prevent connection of future Low Carbon Technologies (LCTs), as it would require a prohibitive cost for the fault level mitigation.		We are not currently tendering for flexibility services at this location.
	Decision	<b>Reinforce without flexibility</b> It is proposed to establish a new 132/33kV 90MVA Redshaw GSP which shall connect into a new Redshaw 400/132kV transmission substation. Transfer Lesmahagow and Douglas West feeder circuits, as well all encompassed generation including Andershaw Wind Farm, which will have a dedicated circuit breaker. These proposed transfers will create sufficient fault level headroom at Linnmill GSP.		
				Technical Appraisal
	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.		More detailed technical information on the nature of the constraint, network impacts, solutions considered and selected intervention
	Flexibility product	N/A	Flexibility not required	are available in this scheme's Engineering Justification Paper
	Constraint season(s)	Year round		
	Guide price	Competition closed		
	Reinforcement timescale	2027/28		To ensure that our plans and publications cover the needs of our stakeholders,
Flexibility position at March 2024 20	023/24 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

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