Woodside Grid 33kV fault level mitigation



Flexibility

Tendering

Closed

Reinforce without flexibility



The Wallasey-Woodside 33kV grid group is located within the Birkenhead 132kV grid supply point (GSP) group and supplies the north-eastern corner of the Wirral Peninsula including areas of Birkenhead, Wallasey, and Woodside. This group supplies ca. 43,000 customers. Woodside operates with a split point with the Prenton-Rock Ferry 33kV group, run normally open to reduce the fault levels.

			rendering	
Constraint	FAULT LEVEL At Woodside Grid substation the make duty fault lever rating, and break duty is at 100% of the rating of the e switchgear on the 33kV side that is interconnected to operationally managed requiring switching actions to the fault levels prior to certain switching actions on t switchgear. The high fault levels at this site present a low-cost timely connection of generation.	Flexibility would not relieve fault level constraints.		
Decision	Reinforce without flexibility			
	Replace existing 9-panel 33kV switchboard with high and carry out associated remote end protection mod	Technical Appraisal		
Justification for decision	Due to the predicted increase in fault levels, operation			
	not an enduring solution. Procurement of flexibility w level.	ould not reduce fault	More detailed technical information on the nature of the constraint, network impacts, solutions considered and selected intervention are available in this scheme's <u>Engineering Justification Paper</u>	
Flexibility product	N/A			
Constraint season(s)	Yearround			
Flexibility guide price	N/A			
Reinforcement timescale	2025/26	Flexibility not required		

on the nature of the constraint,			
network impacts, solutions			
considered and selected intervention			
are available in this scheme's			
Engineering Justification Paper			

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

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

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