

Fairwater Primary



DNOA Decision

Signposting

Constraint description

Fairwater is a 33/11 kV primary substation supplied from Cardiff West Bulk Supply Point (BSP). It consist of two mismatched transformers. T1 is lower rated and is expected to overload following the loss of T2.

Reinforcement description

Upgrade transformer T1 to match the existing T2 unit.



Constraint Season
Winter and Summer



Outage Type
N-1



Justification for decision

No flexibility requirement under Best View until 2032.

Constraint management timeline

2024 H2 Signposting

Time to Reinforce: 2 years

Constraint Type: Demand

Estimated flexibility volumes (MWh) per year under Best View:

2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
-	-	-	-	-	-	-	-	1 MWh	2 MWh	4 MWh



For more information see the **Cardiff Central and West 33 kV NDP report**: <https://www.nationalgrid.co.uk/dso/network-development-plan>