

Newport West



DNOA Decision

Signposting

Constraint description

In an N-1 scenario for the loss of one of the Newport West 132/11 kV Grid Transformers (GTs), the remaining in-service grid transformer is left to supply the demand at Newport West. Growth projections indicate demand will exceed the rating of the transformers in the future.

Reinforcement description

The proposed reinforcement solution is to establish a new primary called Usk Way which will be fed from Newport South Bulk Supply Point (BSP) and will de-load Newport West and Newport East BSPs.



Constraint Season
Winter/Summer



Flexibility Product
Secure



Outage Type
N-1

Justification for decision

No flexibility requirement under Best View until 2027.

Constraint management timeline

2024 H1 **Signposting**

2023 H2 Signposting

2023 H1 Signposting

Time to Reinforce: 3 years

Constraint Type: Thermal

Estimated flexibility utilisation required per year under Best View (MWh):

2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
-	-	-	1 MWh	3 MWh	9 MWh	173 MWh	513 MWh	1,246 MWh	2,415 MWh	4,241 MWh



For more information visit: nationalgrid.co.uk/network-flexibility-map-application