

Nantwen



Constraint description

Nantwen primary is a single transformer primary. For an N-1 outage of the transformer, the site is limited by the 11 kV backfeeds.

Reinforcement description

The proposed reinforcement solution is to install a second primary transformer, add a 33 kV circuit breaker, and extend the 11 kV switchboard.



Constraint Season
Winter and Summer



Outage Type
N-1

Justification for decision

No flexibility requirements have been identified in the next 10 years for this constraint.

Constraint management timeline

2024 H2 None

2024 H1 Procurement

Time to Reinforce: N/A

Constraint Type: Demand

Estimated flexibility price (£/MWh) and volumes (MWh) per year under Best View:

| | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
|--------------|------|------|------|------|------|------|
| Availability | - | - | - | - | - | - |
| Utilisation | - | - | - | - | - | - |



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