

Barlaston / Meaford BSP

Scheme description

Both N-1 and N-2 constraints seen at Meaford BSP (N-1 for either GT and N-2 for both GTs). Reinforcement solution is to install a new feeder circuit and GT at Meaford BSP.

Justification for decision

Flexibility is not suitable here due to the N-2 loss of supply constraint.

Constraint Information

Outage Type N-1 / N-2
Constraint Type Security of Supply

Reinforcement Information

Completion Year 2030
Current Status Preliminary



Bayston Hill to Malehurst

Scheme description

Part of the Shrewsbury ring has thermal, voltage, step change, and generation driven constraints. Reinforcement solution includes upgrading and reconfiguring the existing network and installing a new Bayston Hill – Malehurst 33 kV circuit.

Justification for decision

Flexibility is not suitable here due to the complex constraints, severe voltage restrictions, and step change restrictions.

Constraint Information

Outage Type N-1
Constraint Type Thermal and Voltage

Reinforcement Information

Completion Year 2028
Current Status Preliminary



Berrington Primary

Scheme description

Transformer is expected to overload under intact and N-1 conditions. In addition to this, the transformer is protected via fuses and there are no analogues on site to facilitate flexibility services. Reinforcement solution is to uprate the transformer and the 11 kV interconnection.

Justification for decision

Flexibility is not suitable here due to the lack of monitoring equipment. The transformer is also being replaced on condition.

Constraint Information

Outage Type Intact
Constraint Type Thermal

Reinforcement Information

Completion Year 2026
Current Status Preliminary



Cellarhead Network

Scheme description

The constraints include thermal (demand and generation), fault level, and operability limitations. Reinforcement solution is to install an additional 132 kV circuit into the group and reconfigure the network.

Justification for decision

Flexibility is not suitable here due to fault level, operability, and generation constraints.

Constraint Information

Outage Type N-2
Constraint Type Thermal

Reinforcement Information

Completion Year 2028
Current Status Preliminary



DNOA Decision
Reinforce

Chipping Sodbury

Scheme description

Both N-1 and N-2 constraints at Chipping Sodbury BSP (N-1 for either GT and N-2 for both GTs). Reinforcement solution is to establish a new BSP.

Justification for decision

Flexibility is not suitable here due to the complex constraints and being unable to resolve the N-2 loss of supply restriction.

Constraint Information

Outage Type N-1
Constraint Type Security of Supply

Reinforcement Information

Completion Year 2029
Current Status Preliminary



DNOA Decision
Reinforce

Shrewsbury GSP

Scheme description

Thermal constraint following an N-2 outage on two SGTs at Shrewsbury GSP. Reinforcement solution is to install a new SGT at Shrewsbury and reconfigure the 132 kV network.

Justification for decision

Flexibility is not suitable here due to the N-2 loss of supply constraint.

Constraint Information

Outage Type N-2
Constraint Type Thermal

Reinforcement Information

Completion Year 2030
Current Status Preliminary



DNOA Decision
Reinforce



Stockton

Scheme description

Stockton is a single transformer site with an N-1 constraint triggered for loss of its transformer. Reinforcement solution is to add a second transformer.

Justification for decision

Flexibility is not suitable here due to the complexity of the constraint.

Constraint Information

Outage Type N-1
Constraint Type Security of supply

Reinforcement Information

Completion Year 2032
Current Status Preliminary



DNOA Decision
Reinforce

Lea Marston to Copt Heath

Scheme description

An outage affecting supplies to the Lea Marston-Elmdon 132 kV circuit causes a thermal constraint on the Lea Marston-Copt Heath circuits. Reinforcement solution is to uprate these tower line circuits.

Justification for decision

Flexibility is not suitable here due to the complexity of the constraint.

Constraint Information

Outage Type N-1
Constraint Type Thermal

Reinforcement Information

Completion Year 2031
Current Status Preliminary



DNOA Decision
Reinforce

Stowfield to St Weonards

Scheme description

St Weonards is a single transformer site with an N-1 constraint triggered for loss of its transformer. Reinforcement solution is to add a second transformer.

Justification for decision

Flexibility is not suitable here due to the complexity of the constraint.

Constraint Information

Outage Type N-1
Constraint Type Security of supply

Reinforcement Information

Completion Year 2029
Current Status In Construction



DNOA Decision
Reinforce

