

Winster

Scheme description

Winster BSP has two 132/33 kV transformers and is nearing its firm capacity. Both GTs are also in poor condition and are due to be replaced.

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Justification for decision

Flexibility is not suitable to deal with this constraint as there is also an asset condition issue triggering the replacement of the GTs.

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Reinforcement Information

Completion Year 2024
Current Status Preliminary



DNOA Decision
Reinforce

South Holland – Long Sutton – Holbeach

Scheme description

For a fault on the main 1 busbar at South Holland BSP voltages on the downstream 33 kV network fall below statutory voltage limits. A new primary is being built to resolve this constraint.

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Justification for decision

Flexibility is not suitable to deal with this constraint as there is a severe voltage constraint which cannot be resolved using flexibility.

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Reinforcement Information

Completion Year 2025
Current Status Preliminary



DNOA Decision
Reinforce

Willington – Derby South – Spondon

Scheme description

Various outage conditions can overload the circuits from Derby South BSP to Spondon BSP. A fourth 132 kV circuit is being built to mitigate these constraints.

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Justification for decision

Flexibility is not suitable to deal with this constraint due to its complexity.

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Reinforcement Information

Completion Year 2026
Current Status Preliminary



DNOA Decision
Reinforce



Northampton group

Scheme description

The Northampton group is approaching 300 MW of group load, at which point the existing circuits will not be able to meet the security of supply obligations. A fourth circuit into the group is being built to resolve this issue.

Justification for decision

Flexibility is not suitable to deal with this constraint as the level of flexibility required makes it technically unfeasible.

Reinforcement Information

Completion Year 2028
Current Status Preliminary



DNOA Decision
Reinforce

Clipstone BSP

Scheme description

There is currently a complexity issue on the 33 kV network downstream of Clipstone BSP which is restricting the capability of the network to connect new generation and demand, as it limits the number of viable points of connection.

Justification for decision

Flexibility is not suitable to deal with this constraint as it is a network complexity issue.

Reinforcement Information

Completion Year 2025
Current Status Preliminary



DNOA Decision
Reinforce



Hockley Farm Road

Scheme description

There is a demand constraint on the circuit from Leicester BSP to Hockley Farm Road primary, which is limited by a short section of 33 kV circuit. Proposed reinforcement is to uprate this section of circuit.

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Justification for decision

Flexibility is not suitable to deal with this constraint as the reinforcement solution is below the cost threshold for economic viability.

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Reinforcement Information

Completion Year 2024
Current Status Preliminary



DNOA Decision
Reinforce

Staythorpe C

Scheme description

Two spans of 132 kV overhead line between Staythorpe C and tower AD1C are constrained. The proposed reinforcement solution is to uprate these two spans.

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Justification for decision

Flexibility is not suitable to deal with this constraint as the reinforcement solution is below the cost threshold for economic viability.

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Reinforcement Information

Completion Year 2024
Current Status Preliminary



DNOA Decision
Reinforce

