

# Irthlingborough to Higham Ferrers



## Constraint description

For an arranged or fault outage on the Irthlingborough BSP to Rushden T2 33 kV circuit the circuit from Irthlingborough to Higham Ferrers Switching Station could overload based on demand projections.

## Reinforcement description

Upgrading the lowest rated section of 33 kV circuit between Irthlingborough BSP and Higham Ferrers Switching Station would add around 10 MVA of capacity to help alleviate this constraint.



Constraint Season  
Winter and Summer



Outage Type  
N-1

## Justification for decision

Flexibility procurement is required to ensure the needs of the network are met.

## Constraint management timeline

2024 H2 Procurement

Time to Reinforce: 3 years

Constraint Type: Demand

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

	2024	2025	2026	2027	2028	2029
Availability	£88 / MWh 28 MWh	£24 / MWh 90 MWh	£3 / MWh 543 MWh	£2 / MWh 678 MWh	£2 / MWh 794 MWh	£1 / MWh 1,058 MWh
Utilisation	£5,267 / MWh 3 MWh	£1,465 / MWh 10 MWh	£201 / MWh 72 MWh	£149 / MWh 98 MWh	£122 / MWh 121 MWh	£86 / MWh 172 MWh



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