

# Bruntingthorpe Primary



DNOA Decision

**Reinforce with Flexibility**

## Constraint description

Bruntingthorpe primary has a single transformer which limits its firm capacity under intact running conditions. Under N-1 outage conditions the site also relies on 11 kV backfeeds to maintain supply.

## Reinforcement description

A second 33/11 kV transformer could be installed at Bruntingthorpe primary. This would however necessitate a second 33 kV infeed from Kibworth BSP.



Constraint Season  
Winter and Summer



Outage Type  
Intact

## Justification for decision

Reinforcement works are being progressed. Flexibility will be utilised as required to manage the constraint in the interim.

## 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	£2 / MWh 4,440 MWh	£1 / MWh 6,101 MWh	£1 / MWh 7,235 MWh	£1 / MWh 7,163 MWh	£1 / MWh 7,240 MWh	£1 / MWh 7,328 MWh
Utilisation	£129 / MWh 594 MWh	£81 / MWh 965 MWh	£65 / MWh 1,208 MWh	£65 / MWh 1,194 MWh	£65 / MWh 1,209 MWh	£63 / MWh 1,230 MWh



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