

# Keynsham East Primary



DNOA Decision

**Reinforce with Flexibility**

## Constraint description

Keynsham East primary is a two transformer primary, with the firm capacity being limited by the T1 transformer. An N-1 fault for the loss of the T2 transformer means the whole load must be supplied by T1.

## Reinforcement description

The proposed reinforcement is to replace the T1 transformer with a larger unit.



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

2024 H1 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	-	£7 / MWh	£1 / MWh	£1 / MWh	£1 / MWh	£1 / MWh
	-	601 MWh	3,217 MWh	4,725 MWh	5,754 MWh	7,237 MWh
Utilisation	-	£430 / MWh	£49 / MWh	£30 / MWh	£23 / MWh	£17 / MWh
	-	45 MWh	419 MWh	705 MWh	909 MWh	1,245 MWh



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