

# OC6 Demand Control

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## Grid Code (OC6.5) Requires:

- <20% demand reduction in 4 blocks of 4-6%
- Reductions over 20% can be required in 5% steps up to 40% (If High Risk of Demand Reduction issued at day ahead, otherwise on best endeavours basis)
- DNO to use voltage reduction or demand disconnection to achieve target
- Reduction must be achieved in 5 minutes

## National Grid need for Demand Reduction:

- A balancing action 'of last resort'
- Required to prevent automatic load shedding and/or system collapse
- Swift response required so that NG Control Room can plan further actions
- Too little/ too late – Risk of automatic action/ system collapse
- Too much/ too early - Loss of income for Suppliers

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## Voltage Reduction:

- Traditionally assumed that the first 10% of demand reduction achievable by 6% voltage reduction
- But DNO report highlights:
  - a) 3% reduction no longer gives 5% demand reduction
  - b) 3% reduction currently not achievable in 5 Mins

## Options:

- Delayed implementation of demand reduction by Voltage Control
- Increased use of disconnections
- Some mitigation possible with investment in control equipment

## Way Forward:

- Demand Control Workshop being organised by National Grid
- Invitations to DNOs to be issued by the end of November.