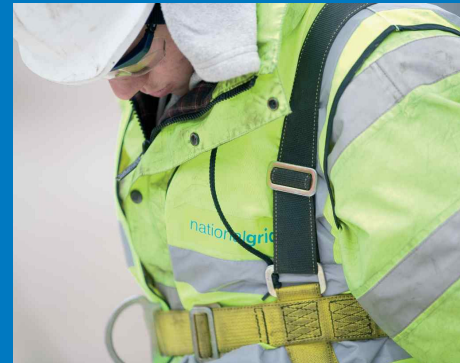


Demand Control



Demand Control

- Demand Control instructed on 27 May 2008
 - first time in >12 years
- Implemented by DNOs by voltage reduction
- Implementation speed was slower than required in OC6.5
- Voltage reduction not as effective in reducing demand as previously expected.
- Demand control instructed again on 11 February 2012
- Response better than 2008 but still poor
- Workshop held 23 May 2012

Demand Control

- NGET concerned that increasing the response time, or reducing the amount of demand reduction, increases the risk of total system shut down.
- DNOs keen to use voltage reduction in place of demand disconnection wherever possible.
- DNOs suggested that response time could be improved – Electricity Task Group could be used to investigate/ coordinate.
- Although expected to be a 1 in 365 event, demand reduction has only been used twice in >16 years
- Is it acceptable to use demand disconnection at this frequency
- Further industry discussion required

Suggested Ways Forward

- Cross industry training exercise (similar to black start), possible Tier 1 exercise.
- Separate voltage reduction and demand disconnection, allowing the control engineers to choose demand disconnection when they need a guaranteed level of response immediately. This would be a relatively quick win as it only requires code and procedure changes.
- Use voltage reduction earlier, in conjunction with STOR, rather than wait for other reserve types to run out.
- Investigate use of demand control/demand disconnection as a commercial service which can be tendered for.
- Joint DCRP/GCRP working group to investigate issues with demand control.
- Develop a work stream for further investigation under the Electricity Task Group.