

# Order of action - Winter 2022

## Purpose

This document sets out the ESO policy on the order of actions it will take, particularly with respect to the Winter Contingency Contracts and the Demand Flexibility Service.

## Context

In preparation for a potentially tight Winter and with the turbulent political environment worldwide, we have developed two new services (Winter Contingency Coal Contracts & Demand Flexibility Service) to access additional generation increase and demand reduction. These have been developed as last resort options intended to bolster security of supply for the whole of the Winter period and to prevent or reduce any requirement for demand disconnection when all other options have been exhausted.

## Order of action

### Order of Action: Winter 22

#ESOMarkets

Everyday Actions	Order	Comments
Reconfigure Transmission Network to reduce network congestion, including: Change substation running arrangements, Tap Quad Boosters, to control flow of energy and Making use of enhanced ratings	Normal operating practice – no cost	Changing daily operating conditions can result in different network configurations to reduce congestion
Review and refine reserve requirement within day dependent on system conditions	Normal operating practice – no cost	Changing system conditions can relieve requirements for reserve or increase requirements. This can change at any time as the conditions change.
All deliverable Offer action on all available BM participants	#1 based on Cost	Scheduled from Day Ahead, action taken in real time – some offers may not be available due to network congestion
Issue warning instructions to cold BM participants	#1 based on Cost	Scheduled from Day Ahead, action taken in real time
Buy energy from continental Europe	#1 based on Cost	Scheduled from Day Ahead, action taken from Day Ahead to 4hrs ahead of time by ESO Traders
Reconfigure CCGTs to increase available energy (e.g. sync additional GTs)	#1 based on Cost	Scheduled from Day Ahead, managed within the control timescales within day
SO-SO trade in cost order	#1 based on Cost	SO to SO trade with other SO in Europe/ Ireland

  

Enhanced Actions (if everyday actions are insufficient)	Order	Comments	Notices are issued at any time as required	Comment
Recall TO assets from outage to increase network availability and increase available capacity	#2	Anytime through to control room timescales, depending on ERTS (Emergency Return to Service) time	Issue Electricity Margin Notice (EMN)	Request to market to increase available energy or reduce demand. Likely to be issued at Day Ahead. Updated regularly
Plan use of Emergency Assistance (EA) from other SO	#3	Enacted close to real-time. Only applicable if capacity is available on interconnectors. EA can be withdrawn at any time	Issue a High Risk of Demand Reduction (HRDR) system warning	Warning network operators of high likelihood of demand control. Further request to market to increase available energy or reduce demand. Closer to real-time than ENM
Instruct Demand Flexibility product	#4	Decision made at timescales as determined by product created (instruction at 24 hours)	Issue Demand Control Imminent (DCI) system warning	If possible, this system warning will be issued 30 minutes prior to demand control. Warning to network operators
Instruct Winter Contingency Units	#5	Decision made at timescales as determined by dynamic parameters (warning at 12-48hrs)	AUTOMATICALLY TRIGGERED: A Capacity Market Notice (CMN) is automatically triggered to alert CM participants	Driven by calculation of Market data at 4 hours ahead of real time

  

Emergency Actions (if enhanced actions are insufficient)	Order	Comments
Emergency Instruction (EI) to other SO	#6	
OC6 demand control instructions to DNOs	#7	This could be via voltage control or demand control (disconnecting customers)
Recommend to BEIS to implement ESEC	#8	Ongoing conversations prior to this so all parties would be aware of risk

We will continue to be in close contact with BEIS and Ofgem. Any changes to this Order of Action will be communicated promptly and through the Operational Transparency Forum.