

Sai Wing Lo  
Sai.Lo@ofgem.gov.uk (by email only)

National Grid ESO  
Faraday House  
Gallows Hill  
Warwick  
CV34 6DA

Julian.leslie@nationalgrideso.com  
www.nationalgrideso.com

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## **ESO Response to 3 SPT 2023 MSIP applications**

Dear Sai Wing Lo,

Thank you for the opportunity to respond to your consultation on 3 SPT 2023 MSIP applications.

### **Who we are**

As the Electricity System Operator (ESO) for Great Britain, we are at the heart of the energy system, balancing electricity supply and demand second by second.

Our mission, as the UK moves towards its 2050 net zero target, is to drive the transformation to a fully decarbonised electricity system by 2035, one which is reliable, affordable, and fair for all. We play a central role in driving Great Britain's path to net zero and use our unique perspective and independent position to facilitate network and market-based solutions to the challenges posed by the trilemma.

Our transformation to a Future System Operator (FSO) is set to build on the ESO's position at the heart of the energy industry, acting as an enabler for greater industry collaboration and alignment. This will unlock value for current and future consumers through more effective strategic planning, management, and coordination across the whole energy system.

### **Our key points**

As per our previous submissions, we continue to support these projects. Very briefly, the projects in questions we have the following comments:

- Coalburn SGT4: Development will increase the export capabilities of a large group of wind farms which is currently restricted at full capacity. The SGT4 will allow the site to be split into two boards with a new additional higher rated SGT.
- Constraint Management Pathfinder: The works being carried out by SPT will connect further generators to the Anglo-Scottish Operational Tripping Scheme which will allow the ESO to arm these generators to manage system constraints on the B6 boundary instead of curtailing generation. This will allow more renewable electricity to be generated as constraints on this boundary are strongly correlated with high levels of wind generation.  
The service so far has delivered savings of £80m in the first year from six units that were already connected and this is expected to continue as a further nine generators are added under the works carried out by SPT.  
Extending the scheme to include the B7a in NGET's licence area, will allow the service to be used to manage constraints across a greater area of the network, in turn increasing the potential benefits that the service can deliver.

- Wishaw - Eccles - Torness - Smeaton OTS: This Operational Tripping Scheme (OTS) is seen as a requirement for when the new commissioned Neart Na Gaoithe (NNG) wind farm (450MW) connects to secure certain faults on the network. This will mitigate pre-fault action for faults that have a very low likelihood.

We look forward to engaging with you further should you have any questions or comments. Should you require further information on any of the points raised in our response please contact Haarith Dhorat, at [haarith.dhorat@nationalgrideso.com](mailto:haarith.dhorat@nationalgrideso.com).

Our response is not confidential.

Yours sincerely

Julian Leslie

Head of Networks

## Appendix 1 – Consultation Question Responses

### Question 1: Question?

ESO Response

### Question 2: Question?

ESO Response

### Question 3: Question?

ESO Response