

GSP Metering Issues in GSP Groups _C and _J

BSC Panel

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Summary **Following the identification (and subsequent rectification) of significant GSP Metering errors in two GSP Groups, this paper provides a summary of the issues and an outline of the next steps.**

1. Background

- 1.1 Elexon uses a number of tools and metrics to monitor Settlement accuracy; one of those is the Annual Demand Ratio (ADR) monitoring. This had identified potentially erroneous Settlement data in the _C (London) and _J (South Eastern) Grid Supply Point (GSP) Groups. We highlighted these potential issues to the Performance Assurance Board (PAB) and to the Industry via Elexon's Newscast.
- 1.2 Following investigations internally, Elexon asked the Technical Assurance Agent (TAA) to conduct site visits at a number of locations. These visits identified an issue at one GSP in each GSP Group where the polarity of the Current Transformer (CT) at an NGET substation was found to be reversed, meaning demand volumes were recorded as generation, and vice versa.
- 1.3 Following these investigations, remedial work was carried out on the sites to correct the connections. Revised Metered volumes for the affected periods have now been submitted into Settlement.
- 1.4 Elexon provided an update to the April 2022 PAB meeting in a confidential paper.

2. Metering Issues

- 2.1 In both GSP Groups, the polarity for a CT for a Super Grid Transformer (SGT) at a substation was found to be reversed. This meant demand volumes were recorded as generation (and in the case of _J, generation volumes recorded as demand; there was no generation at the site in _C).
- 2.2 The affected dates, volume of Settlement Error, materiality and rectification approach is detailed below:

	GSP Group _C	GSP Group _J
Affected Settlement Dates	22 June 2021 - 23 February 2022	4 December 2019 - 3 December 2021
Estimated total volume of Settlement Error	798GWh	122GWh
Estimated total materiality	£100m	£17.5m

- 2.3 The error in _C will be rectified entirely through the normal Settlement Reconciliation Runs, between April and October 2022.

- 2.4 The error in _J will partly be rectified through the normal Settlement Reconciliation Runs (April to October 2022), and partly through the Post-Final Settlement (DF) Run and an Extra-Settlement Determination (ESD), following approval of Trading Dispute DA1121 at the April 2022 Trading Disputes Committee (TDC) meeting. These Runs will take place between April 2022 and August 2023.

3. Party Engagement

- 3.1 Elexon calculated the estimated materiality that would affect each BSC Party.
- 3.2 The largest affected Parties (those with a net impact of £250,000 or more) were contacted directly by Elexon's CEO, Executive team or Senior Managers and offered telephone calls to discuss the issue and individual materiality impacts.
- 3.3 Following this, all Parties affected by more than the current Trading Disputes threshold (£3,000) are being contacted by their Operational Support Managers or the Customer Engagement team, to provide them with their individual impacts.

4. PAB discussions

- 4.1 Elexon presented the above information to the April 2022 PAB meeting, where the PAB members provided further comments on the issues.
- 4.2 The PAB emphasised that whilst Elexon should ensure its internal processes for detecting and rectifying issues such as this are as robust and work as quickly as possible, the BSC places obligations on the operation of Metering Systems on the Registrant.
- 4.3 Therefore, the PAB have asked that the Registrants of the sites be invited to attend a future PAB meeting to explain how these issues occurred and remained undetected and unresolved for the time they did.
- 4.4 Further to this, the PAB asked Elexon to look at increasing the number of TAA visits to CVA sites. Elexon will report back to the PAB in May on the options that may be available.

5. Next Steps

- 5.1 Elexon recognises the significant impact these errors have on BSC Parties and understands the concerns raised through the engagement about the impact that errors of this size have on the operation of companies.
- 5.2 Elexon is continuing to work to detect issues such as these faster and resolve them sooner, as well as minimising the risk of these instances occurring in the first place.
- 5.3 Elexon will continue to provide updates to the PAB, Panel, and to industry via Newscast or other appropriate communication channels.

6. Recommendations

- 6.1 We invite the Panel to:
- a) **NOTE** the update.

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