

Metering Dispensations D/550 – Ray BESS

Imbalance Settlement Group (ISG)

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Purpose of paper **Decision**

Classification **Public**

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Summary **Vattenfall Wind Power Ltd has applied for a lifetime Metering Dispensation (D/550) from Code of Practice (CoP) 2. The application relates to the location of the Metering Equipment associated with a proposed new 20MW Ray Battery Energy Storage System (BESS), adjacent to the existing Ray Wind Farm. A Metering Dispensation is required for the Ray BESS Metering System as the two assets will be traded and settled independently of each other. We invite the ISG to approve Metering Dispensation D/550 on a lifetime basis.**

1. BSC requirements

- 1.1 Section L¹ of the [Balancing and Settlement Code](#) (BSC) requires all Metering Equipment to either:
- comply with the requirements set out in the relevant Code of Practice (CoP) at the time the Metering System is first registered for Settlement under the BSC (L3.2.2); or
 - Be the subject of, and comply with, a Metering Dispensation (L3.4).
- 1.2 Section L allows the Registrant of a Metering System to apply for a Metering Dispensation if, for financial or practical reasons, Metering Equipment will not or does not comply with some or all the requirements of a CoP.
- 1.3 The process for applying for a Metering Dispensation is set out in [BSCP32](#)².

2. Confidentiality

- 2.1 BSCP32 allows the Metering Dispensation applicant to request confidentiality via the application form (BSCP32/4.1).
- 2.2 In this case, the applicant has noted on the application form that the application itself is not confidential. However, the applicant has requested (via email) that we keep certain related documents (Attachments B and C) confidential because they are commercially sensitive.

3. Background to Metering Dispensation D/550

- 3.1 Ray Wind Farm (WF), owned by Ray Windfarm Limited, a subsidiary of Vattenfall Wind Power Ltd, was constructed in 2017. It is connected, via an approximately 25km of 33kV underground cable, to Northern Powergrid's (NPG's) 132kV network at Fourstones substation. The point of connection to NPG's network is at NPG's switchgear at the WF end of the 25km NPG owned cable. This is the Defined Metering Point (DMP) and is where the WF Metering Equipment is located.

¹ 'Metering'

² 'Metering Dispensations'

- 3.2 Vattenfall Wind Power Ltd (Vatenfall) is in the process of installing a new Battery Energy Storage System (BESS) adjacent to the existing WF, and connecting it into the wind farm's 33kV network (Attachment B). The BESS will have an installed capacity of 20MW.

4. Metering Dispensation D/550 – Ray BESS

- 4.1 Vattenfall has applied for a lifetime Metering Dispensation (D/550) from [CoP2³](#) (Attachment A). This is for the location of the Metering Equipment associated with the new Ray BESS.
- 4.2 The Metering Dispensation is required as the two assets will be traded and settled independently of each other. The Actual Metering Point (AMP) for the embedded BESS is not at the Defined Metering Point (DMP) and therefore requires a Metering Dispensation. Without this Metering Dispensation it would need two separate connections.
- 4.3 The losses between the AMP for the BESS and the DMP, over 4m of busbar and 40m of WF 33kV cable are small and the BESS Settlement Meters will not be compensated for them as a result (Attachments A and C).

5. MDRG comments

- 5.1 We circulated the Metering Dispensation application, loss compensation and its supporting documentation to the Metering Dispensation Review Group (MDRG) for comments (Attachments A - C).
- 5.2 One MDRG member declined to comment as they have been involved with the preparation of this application. One MDRG supports the application subject to the loss adjustment being acceptable to the Electrical Loss Validation Agent (ELVA). The applicant later confirmed it would not apply loss compensation.

6. LDSO comments

- 6.1 We circulated Metering Dispensation application and its attachment to the Licensed Distribution System Operator (LDSO) for comments (Attachments A - C).
- 6.2 The LDSO is happy to accept the Metering Dispensation, subject only to the provision that the difference metering arrangements proposed by Vattenfall are put in place.

7. NETSO comments

- 7.1 We circulated Metering Dispensation application and its attachment to the National Electricity System Operator (NETSO) for comments (Attachments A - C).
- 7.2 The NETSO had no concerns with the Metering Dispensation application but did suggest the applicant clarified its assumption that Ray Windfarm Ltd is a subsidiary of Vattenfall Wind Ltd and make the commercial relationship clear in the application. The applicant updated the application as a result (Attachment A).

8. Elexon's view

- 8.1 Elexon supports this site specific Metering Dispensation application as accuracy will be maintained within CoP2 limits at the DMP. The losses have been calculated and are within the accuracy limit of the CoP.

9. Recommendation

- 9.1 We invite the ISG to:
- a) **APPROVE** Metering Dispensation D/550, from CoP2, for the Ray BESS Metering Equipment, on a lifetime basis.

Attachments

Attachment A – Metering Dispensation application D/550 – Ray BESS

Attachment B (CONFIDENTIAL) – Single line diagram

Attachment C (CONFIDENTIAL) – Loss calculations and proposed compensation factors

³ 'Code of Practice for the metering of circuits with a rated capacity not exceeding 100MVA for Settlements purposes'

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