
Metering Dispensations D/541 – Sutton Bridge Solar Farm PV

Imbalance Settlement Group (ISG)

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Purpose of paper **Decision**

Classification **Public**

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Summary **EDF Energy Limited has applied for a lifetime Metering Dispensation (D/541) from Code of Practice (CoP) 2. The application relates to the location of the Metering Equipment associated with a proposed new 49.9MW Solar Photo Voltaic (PV) Farm, connected at Walpole Main substation via the 13kV 60MVA tertiary of SGT5). We invite the ISG to approve Metering Dispensation D/541 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. Background to Metering Dispensation D/541

- 2.1 EDF Renewables (EDFR) is installing a 49.9MW Solar Photo Voltaic (PV) Farm at the EDF Walpole Main substation via the 13kV 60MVA tertiary of SGT5.
- 2.2 For practical reasons a Metering Dispensation is required as the Actual Metering Point (AMP) cannot be at the Defined Metering Point (DMP), which is the point of connection to the Transmission System or Grid Entry Point (GEP).

¹ 'Metering'

² 'Metering Dispensations'

3. Metering Dispensation D/541 – Sutton Bridge Solar PV Farm

- 3.1 EDF Energy Limited (EDF) has applied for a lifetime Metering Dispensation (D/541) from [CoP2³](#) (Attachment A). This is for the location of the Metering Equipment related to the Burwell Solar PV Farm.
- 3.2 The reason for the application is two-fold:
- Space constraints within NGET's existing compound. The planned area for the assets that make up EDF's connection (13kV & 33kV Switchgear and 60MVA transformer) are densely packed in the 400kV compound. The additional space required for the 33kV HAM (High Accuracy Metering) unit would have proved to be a risk to the project.
 - The distance between EDF's CoP2 metering panels (located within a small substation adjacent to the NGET compound) and the HAM unit would have exceeded 100m, providing concerns regarding the accuracy of metering due to the resistance of the secondary wiring runs.
- 3.3 The intent is for EDF to install metering current transformers (CTs) and voltage transformers (VTs) on the incoming circuit breaker within the EDF owned and operated switching station, which shall be located on land near NGET's Walpole substation, adjacent to the SGT5 bay. [\[IN1\]The applicant has confirmed that the circuit between the DMP and the proposed AMP should be no worse than 120m.](#)
- 3.4 The Metering Dispensation aims to secure BSC Panel approval for EDFR to install the metering instrument transformers on EDFR's most upstream circuit breaker, and to register this as the metering point for Settlement purposes.
- 3.5 The Metering Dispensation aims to secure BSC Panel approval for EDF to install the metering instrument transformers on EDF's most upstream circuit breaker, and to register this as the metering point for Settlement purposes.
- 3.6 The applicant currently understands that there will be no impact on other Registrants. NGET initially worked with EDFR to devise this solution, and the National Grid Electricity System Operator (NGESO) has been informed without any concerning feedback returned.
- 3.7 The applicant calculated the estimated losses to be less than 0.0063% so losses will not be applied.

4. MDRG comments

- 4.1 We circulated the Metering Dispensation application and its attachment to the Metering Dispensation Review Group (MDRG) for comments (Attachments A-B).
- 4.2 1 response received in support of the application

5. NETSO comments

- 5.1 We circulated Metering Dispensation application and its attachment to the National Electricity Transmission System Operator (NETSO) for comments (Attachments A-B).
- 5.2 ~~Awaiting comments.~~ [Will provide verbal update on day of ISG meeting on the 05 July 2022.](#)

6. Elexon's view

- 6.1 Elexon supports this site specific Metering Dispensation application. The impact on Settlement will be limited due to the insignificant losses between the DMP and AMP.

7. Recommendation

- 7.1 We invite the ISG to:
- a) **APPROVE** Metering Dispensation D/541 from CoP2, for the location of the Metering Equipment associated with the Sutton Bridge Solar PV Farm, on a lifetime basis.

Attachments

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

Attachment A – Metering Dispensation application D/541 – Sutton Bridge Solar PV Farm

Attachment B - Single line diagram for Sutton Bridge Solar PV Farm

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