

Electricity Network Innovation Competition Full Submission
Supplementary Answer Form

Project: REVISE

Tick if this answer has been provided verbally: ☐

Project code	WPD/EN/NIC/05	Question Number	30
Question date	30 August 2018	Answer date	03 September 2018
Submission section question relates to	N/A		
Topic	N/A		
Question	Has the duration and energy output lost due to a. Faults and b. Planned outages been quantified? How are these grouped (connection voltage, generation type, generation output, etc.)?		
Notes on question	None		
Answer	<p>Yes, the average energy lost was informed from calculations using our detailed outage planning records. These records include outages that have occurred both for faults and planned activities such as those for maintenance and construction work. This is further detailed in Section K.2.2 of the FSP.</p> <p>For our calculations we captured outages that occurred across the 33kV network in our four license areas and determined how those outages impacted on connected DG. In our calculations we used the average output for a 33kV generator and applied an average load factor as detailed in our response to Question 10. We did not group the outages by type or output as we specifically wanted to create a calculation which would be representative across our four license areas and GB. This approach also ensured our results were not skewed by particular anomalies on the network such as large generators being disconnected for long periods of time for construction activities.</p>		
Attachments	None		