

*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	10
Question date	21 August 2018	Answer date	23 August 2018
Submission section question relates to	Section K.2.2		
Topic	(b) Provides value for money to electricity customers		
Question	In calculating the benefits case for ACS, it reads like you have taken the product of (installed capacity) x (outage rate) x (LCOE plus profit). This would be applicable if the generator was capable of operating continuously at full output. How have you taken account of the capacity (or load) factor for the DG technology in question, which for onshore wind can be the mid-twenties of percent?		
Notes on question	None		
Answer	<p>The financial and carbon benefits detailed in Section K.2.2 were calculated by multiplying the average capacity of a generator on WPD's network by the average load factor for the DG technology installed on WPD's network.</p> <p>The load factor for different DG technologies on the WPD network was taken from the Digest of UK Energy Statistics (DUKES) 2018. The average load factor calculated and used in our assessment was 33.5%.</p>		
Attachments	None		