Electricity Network Innovation Competition Full Submission

Supplementary Answer Form

Project: Black Start from Distributed Energy Resources

Tick if this answer has been provided verbally: ☐

Project code	ESOEN01	Question Number	19
Question date	21 Aug 2018	Answer date	23 Aug 2018
Submission section question relates to	4		
Topic	Innovative		
Question	P21 – what is different about the large scale wind envisaged by 2025 cf to that already connected? ie what is different in the future from today save the volumes of penetration?		
Notes on question			
Answer	Large scale intermittent renewables already form part of the GB generation mix – however they are not currently Black Start service providers as part of the restoration service fleet. When discussing the financial benefits through new sources of Black Start (Section 4 of Bid Document) the base case for the CBA is described. This base case highlights that to maintain Black Start services the technologies that currently provide services (gas, pumped storage, hydro, interconnectors and biomass) will continue to be relied on. It is assumed that by 2025 the large-scale intermittent renewables (either existing generators or new builds) will be in a position to have developed self-starting technology and form part of the Black Start service provision (the "service fleet"). Therfore there are no fundamental differences envisaged to large scale wind providers connected at this point in time, and to those in 2025, save the ability to contribute to early stages of restoration and to be Black Start service providers.		
Attachments			