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	64
Question date	18/09/18	Answer date	20/09/18
Submission section question relates to	Appendix D		
Topic	(g) Robust methodology and ready to implement		
Question	Even for the larger DER such as those proposed for this project, there may be a lack of technical skills in the genetaror's core organisation that could delay the project, increase its costs or create operation risks. How has this been captured or is it captured in Risks 1 and 4?		
Notes on question			
Answer	Risk 4 addresses the holistic readiness of DER for this project, including the technical skills required from DER organisations to progress the trials. ESO has experience of onboarding new service providers for Black Start products and new ancillary services. All new providers need to have a good understanding of the requirements of a service. However, given the innovative nature of Black Start from DER the project will, through detailed assessment of the case studies and close working with DER stakeholders in general, determine the organisational processes and requirements appropriate to a distributed restart approach. It is not simply a case of applying existing methods, which are based on large generators, to DER. The DSO role also requires significant development. We are aware that new processes and ways of working need to be clearly explained to each DER in the trials and the case studies. The engagement to date with the DER community has indicated that the equipment capabilities		

	and technical skills are more likely to be in place for embedded thermal generation and that more resource may be required for other DER types. Our stakeholder engagement has indicated a high level of interest and enthusiasm in the DER community to participate in the project. We intend to utilise this engagemet, as we do for transmission-led Black Start services, to interact with and educate the DER engineers as we develop this concept.
Attachments	