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	17
Question date	21 Aug 2018	Answer date	23 Aug 2018
Submission section question relates to	Appendix G		
Topic	n/a		
Question	P81 – stability of power islands will critically depend on the ability of the generation to accommodate the dynamic nature of the demand. What controls are being implemented on the load banks to simulate appropriate demand behaviour in a black start situation?		
Notes on question			
Answer	We recognise the challenges in operating a stable power island and will examine dynamic performance in both network studies and live trials. The specific details of any load banks or other technologies used in the live trials, and the controls applied, will be determined during the project based on the objectives of each trial and what is practical in terms of equipment and its operation. We understand that suitable control technology is available for load banks and we have included costs for hiring equipment to support live trials. We are also considering how battery energy storage can be used to emulate other demands.		
Attachments			