

# *LCN Fund Full Submission*

## *Supplementary Answer Form*

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☒

Project code:	NPGT202/1	Question Number	NPG029
Question date	27/09/12	Answer date	02/10/12
Submission section question relates to	Section 2		
Topic	Project Description		
Question	We understand that Method 1 includes 19 MW of flexible load. Please explain who provides this flexibility, how much of this flexibility has already been sold by the provider and who else will be providing flexibility.		
Notes on question			
Answer	<p>Method 1 is targeting 19MW of flexibility in the network operator trials.</p> <p>There will be three main sources of flexibility in Method 1:</p> <ul style="list-style-type: none"> <li>• aggregators of I&amp;C customer response;</li> <li>• Asda (ca. 190 sites in the two regions); and</li> <li>• Northern Powergrid's six storage assets (up to 2.85 MW).</li> </ul> <p><b>Aggregators of I&amp;C customer response</b></p> <p>The project will engage with four aggregators during both trials. The CLNR project has developed relationships with all of these companies. Each aggregator has shared their customer portfolio lists with ourselves (this information has been provided on a confidential basis), for sites located in our two regions. The total 19MW capacity could be sourced from the existing aggregator portfolios and even in this scenario the project would not utilise 100% of the aggregators' total portfolio in our regions.</p> <p>The customers that participate in the trials will be a combination of aggregators' existing and new customers.</p>		

	<p><b>Large I&amp;C energy user e.g. Asda (c190 sites in the two regions)</b></p> <p>The CLNR project is already investigating options for Asda to participate in the CLNR trials. The CLNR project is focusing on one site that has a potential DSR capability of 0.5MW. The GBFM project will further investigate the DSR potential of the total Asda portfolio in our two regions, <i>ca.</i> 190 sites in total.</p> <p><b>Northern Powergrid’s six storage assets</b></p> <p>The CLNR project is installing the following electrical energy storage assets;</p> <ul style="list-style-type: none"><li>• One 2.5 MVA / 5MWh</li><li>• Two 100 kVA / 200kWh</li><li>• Three 50kVA / 100kWh</li></ul> <p>The storage portfolio is therefore expected to total 2.85MW.</p> <p><b>Summary</b></p> <p>The target is to obtain representation from each of the three categories. The project will have flexibility to achieve the 19MW requirement based on conditions at the time of the trials. The expectation is the majority of the flexibility requirement will be fulfilled by the aggregators.</p>
Attachments	
Verbal Clarifications  (Consultants )	