

LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☒

Project code:	WPDT2003	Question Number	22
Question date	13/09/11	Answer date	13/09/11 (Verbally) 20/09/11 (Written confirmation)
Submission section question relates to	Appendix F		
Topic	Carbon & Cost savings		
Question	<p>Q1. Carbon or cost savings & Substations that come on line – is it cumulative or each year.</p> <p>Q2. 200 substations per year – What is this based on</p>		
Notes on question	<p>David Milverton (Orion Innovations) raised the question verbally; the answers to the question have also been given verbally.</p> <p>Below is a summary of the response</p>		
Answer	<p>The carbon savings in Table 3, Appendix F are for each year. The final column details the CO₂ savings per year and the total in green is a snapshot of the carbon saved in the year 2030 with the installations listed in the table. If assuming a 20 year life for all installations (2480 over the 15 years) the total CO₂ saved is 1,452 thousand tonnes. (72.6 x 20 years)</p> <p>The table stops at 2030 as there is increasing levels of uncertainty beyond this period. The number of substations where the BRISTOL method would be used is very conservative estimation regarding the connection of microgeneration as there are roughly 600,000 distribution substations within the UK. We expect the BRISTOL solution to demonstrate it could be used to integrate heat pumps and electric vehicles into the distribution network in the future. As BRISTOL is not including these technologies they have not been included in the potential</p>		

	carbon and cost savings.
Attachments	None
Verbal Clarifications (Consultants)	