

LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	SPT 2003	Question Number	11
Question date	06/09/2011	Answer date	13/09/2011
Submission section question relates to	Section 4		
Topic	Carbon		
Question	Please expand on the assumptions underpinning following statement: "one third of reinforcement schemes could be deployed in a timeframe of less than 12 months compared to up to four years for a traditional solution enabling customers to adopt electric heating and transport faster". (Section 4, p19)		
Notes on question			
Answer	<p>Our assumption behind this is based on analysis of Scottish Power's DPCR5 plans, and that approximately one third of reinforcement schemes could potentially utilise the solutions we are proposing in this project. As a result of using this solution, the installation time to release more capacity on the network would be significantly reduced. From our analysis, the remaining reinforcement schemes would require a traditional solution because the level of load growth justifies additional assets, or in some instances traditional reinforcement is the most appropriate engineering and economic solution.</p> <p>In a worst case scenario, it may take up to four years to deploy a traditional reinforcement scheme. This is driven by time required to develop reinforcement plans, secure land for new substations or way-leaves for overhead line routes, planning consent time requirements, equipment lead-time, construction and installation timescales. A minimum time for a simple cable scheme is 12-18 months with a typical</p>		

	<p>major scheme in the 36-48 month timeframe.</p> <p>These timescales are creating the need case for the new solutions which are estimated at 6-12 months for the solution proposed in this project. This solution would release capacity in a shorter time frame allowing customers to connect load more quickly than traditionally.</p> <p>A further analysis of the carbon impact is provided in our response to question 13.</p>
Attachments	
Verbal Clarifications (Consultants)	