LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	SPT2005	Question Number	1
Question date	20th Aug 2013	Answer date	22 Aug 2013
Submission section question relates to	2. Project Description		
Topic	Financial		
Question	The proposal includes the to design, manufacture, and installation of home automation systems in 1200 houses and 25 I&C properties, as well as developing and procuring additional technology on the network. How has the DNO estimated these costs?		
Notes on question			
Answer	Home automation, energy efficiency measures and control systems: For clarity we do not propose to manufacture any equipment as part of the project. In order to esimate the costs of the home energy monitoring and automation equipment it was noted that this is a flourishing existing market offering and has advanced beyond first and second generation products and services. Analysis has shown there is a vast array of competitive product technology that could fulfil the functionality the project will need. The project has therefore concluded that the most cost effective way of securing this technology is to write a functional specification and look to an open competitive call to the market. The criteria is already being formulated for the selection process. The integration of this technology is where specialist knowledge will be needed. The project has some of that knowledge via GST who will assist Mentor Mon in the design and specification of the required solution and then we will look to go to the open market to ensure that the best value is obtained for this critical activity. Market analysis has been relatively straight forward due to the fact most products in this space have clear pricing strategies. It has therefore been relatively easy to assess the cost of these devices. The areas where less transparency on prices are available we have engaged in discussions with various different players in		

	this space to access the costs involved. The integration of the different technologies into a seamless solution is the area where most of the engineering challenge is usually focused. Again, there are many integration specialists in this area and we have engaged with some to get different estimates to allow us to cost both the work and the risk of these elements. An example product line in the market place (we stress this is one of many options in the market place and used here only as an example to demonstrate the type of equipment available) is the OWL intuition family of products (http://www.theowl.com/products/intuition.php) these products provide both monitoring and control options. The ability to coordinate these systems based on remote signals is already built into most of the products. Another product line that is already in LCNF trials such as Passivsystems (http://www.passivsystems.com) through to the more basic open source energy monitoring systems from Megni (Welsh microSME http://megni.co.uk/about) provide examples from across the market place. These are not exhaustive but indicate the market has a complete range of solutions in this domain and are already proven products.
Attachments	
Verbal Clarifications (Consultants)	