

LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	WPD-T2-04	Question Number	WPD034
Question date	27.09.2012	Answer date	02.10.2012
Submission section question relates to	Full Submission Workbook		
Topic	Annual Project Costs		
Question	A significant proportion of WPD's 5,000 person days will be spent investigating substation suitability. Is this not information you already have?		
Notes on question			
Answer	<p>It is proposed that WPD will invest 4847 person days in FLEXGRID.</p> <p>9% (444 days) of this time is to be spent on:</p> <ul style="list-style-type: none"> • Detailed investigation of Substations' suitability for technology inclusion (222 days) • Detailed design of Substation modifications for technology inclusion (222 days) <p>The justification of this proposed time is based on the detailed investigation required at each of the 18 substation sites in Birmingham, as indicated in Appendix B1. These substations must be investigated to first understand the suitability, and then design the electrical and civil infrastructure to integrate ten Fault Level monitoring devices and five Fault Level mitigation technologies. Investigating all of the 18 substations in detail will significantly de-risk the project, since the number of locations that could include the new technologies will be maximised.</p> <p>WPD has a significant amount of information on all its assets, relating to condition and operation. This data will be used, however, the investigation specifically to incorporate new technologies in to existing sites will need individual studies and surveys carried out, which are beyond WPD's business as usual requirements.</p>		

	<p>Whilst containing standard electrical infrastructure, each substation is unique and bespoke in its design and architecture, it is therefore important to ensure that each substation is investigated on an individual basis, rather than making generalised engineering assumptions.</p> <p>A significant proportion of the costs associated with FLEXGRID are related to the installation phase (2140 WPD person days). A carefully thought out and appropriately scaled design phase is key to ensuring that the installation phase is delivered on time and to budget, thereby maximising the project learning and benefits.</p> <p>These figures will be reviewed following our commitment to review the person days on the project, by non-project team personnel, after the Expert Panel.</p>
Attachments	
Verbal Clarifications (Consultants)	