*LCN Fund Full Submission*

# *Supplementary Answer Form*

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

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| Project code: | SSET206 | Question Number | 13 |
| Question date | 03 October 2013 | Answer date | 11 October 2013 |
| Submission section question relates to | Expert panel bilateral | | |
| Topic | Technical | | |
| Question | In your network model tool what assumption is made about the lighting base case and why (are you assuming incandescent for your base case)? How are you planning to ensure that the network model tool would be sufficiently flexible to address (a) evolving technologies and (b) changing consumer behaviour? | | |
| Notes on question | | | |
| Answer | **Model Base Case**<br><br>Our base case is assuming incandescent lighting and this is due to the slow transition to efficient fittings. There are still approximately 651million filament bulbs still in use in the UK (source: EST) and in any event LEDs are still a further 50% more efficient that CFLs. We therefore feel that this assumption is an honest estimate for our base case.<br><br>**Model Design**<br><br>The SAVE project will produce a Network Investment Tool that uses customer behaviour data in response to energy efficiency measures to create a tool that network planners are able to utilise to manage network challenges more effectively and without resorting to traditional reinforcement.<br><br>The role will require forming a close working relationship with SEPD (understand the requirements of DNOs) and the University of Southampton (integrate customer behaviour model) in order to design, inform and finalise the tool.<br><br>Our network modelling will be built using the addition of updated customer | | |

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| | behaviour (thanks to the two trial iterations) and other variable parameters. This approach will be built in as a standard design feature to ensure that any new research/insights can be fed in and ensure continued accuracy.<br><br>The same is true of the multiple technologies/approaches being trialled and it is anticipated that the tool will create a platform for the input of new/evolving technologies in future.<br><br>With the accurate updates on performance of existing and new technologies and along with the customer behaviour changes, the tool will still provide an intelligent means of responding to network challenges.<br><br>See the attachment (Q13 - Network Modeling and Investment Tool.pdf) for more detail on the Network Modelling Tool. |
| Attachments | Q13 - Network Modeling and Investment Tool.pdf |
| Verbal Clarifications<br><br>(Consultants) | |