LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	NPGT202/1	Question Number	NPG015
Question date	06/09/2012	Answer date	10/09/2012
Submission section question relates to	Section 4		
Topic	Evaluation criteria		
Question	Why have the types of feeders listed on page 19 been selected for the trial? Why are they considered to be suitable for GBFM?		
Notes on question			
Answer	20 primary substations are to be selected for the trial. The potential candidates include 17 that are currently forecast to go over firm capacity within planning timescales, two adopted from CLNR and one that has not yet been chosen. Analysis of the types of feeders emanating from these substations showed that the stated types present are: • Urban, High customer density, Underground, Radial; • Suburban, Medium customer density, Underground, Radial; • Suburban, Medium customer density, Mixed, Radial; and • Rural, Low customer density, Overhead, Radial. These comprise four of the seven categories of HV feeders present in the Workstream 3 model. The others are for two mesh networks (which we would include but are not present in the Northern Powergrid area) and "Rural, Mixed, Radial", which are not present in the selection. Discussion was undertaken as to whether this latter type existed in the Northern Powergrid area and the initial analysis concluded that it did not. The selection of substations to be monitored will be finalised during the project; the objective would be to maximise learning and applicability for other		

	DNOs. We therefore believe we have included all the types of HV feeders that are present on Northern Powergrid networks. Those 4 of 7 types represent 67% of the numbers of existing GB feeders. The project believes both Methods being trialled would be applicable to different feeder types not listed above, though the financial benefits analysis has excluded the potential benefits for these other feeder types.
Attachments	 Numbers of Feeders.xlsx
Verbal Clarifications (Consultants)	