

# *LCN Fund Full Submission*

## *Supplementary Answer Form*

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	ENWLT2003	Question Number	4
Question date	25 August 2011	Answer date	31 August 2011
Submission section question relates to	2		
Topic	Existing loads		
Question	What is the typical utilisation on the circuits in your area and will this be replicated in the Trial?		
Notes on question	n/a		
Answer	<p>The utilisation of HV circuit capacity currently varies significantly across the Electricity North West area. For instance circuits supplying customers within urban centres typically have a higher overall utilisation than circuits in more rural areas. Further complexity is introduced when one considers the network capacity afforded by pooling the capacities on adjacent circuits to maintain supplies in the event of an outage - which from an engineering perspective is perhaps a more meaningful measure. Notwithstanding the above, typical utilisation of circuits in our area is in the region of 45% to 50% of installed network capacity.</p> <p>The circuits selected for the Trial will, in the majority of cases, comprise circuits which have higher utilisation (ie low overall available capacity headroom, within the current design and operating regimes). Initial circuit selection used a capacity headroom threshold of 20% or less. These circuits are either heavily loaded or comprise a network which is heavily loaded as defined by ER P2/6.</p>		

Attachments	n/a
Verbal Clarifications (Consultants )	None.