

DCUSA DCP 172 Request For Information Responses – Collated Comments

Company	Confidential?	Question One Please provide an estimate of the number of DG quotations issued within a recent 12 month period which provide for reinforcement being required to keep voltage rise within acceptable limits, and by voltage level if this is available by the 15 January 2016?					
SP Energy Networks	Non-Confidential	There have been 37 occasions during past 12 months within SP Energy Networks (Scotland) where we have carried out reinforcement works associated with generation connections. Of these 5 were at LV and the remaining 32 were at 11kV. It has been difficult to establish for all of these whether the reinforcement was specifically to keep voltage rise within acceptable limits or whether the reinforcement was purely to meet capacity requirements. From our data our best view is that of the 37 projects identified there were 24x 11kV and 3 x LV where the reinforcement was attributed to maintaining voltage within acceptable limits.					
SSEPD	Non-Confidential		Number of DG quotes issued with Reinforcement (2014/15)	Number where reinforcement driver includes Voltage Rise	Voltage of Reinforcement		
					LV	HV	
		SHEPD	283	173	1	132	40
		SEPD	328	12	0	11	1
UK Power Networks	Non-Confidential	Our records show that within a recent 12 month period we had 6 DG connections that prompted LV reinforcement and 40 DG connections that prompted HV reinforcement. I have asked our designers to estimate how many of these would have been where the reinforcement was required for a voltage rise issue and so far their response is none of them.					

		The important point here is that whatever the precise answer it is a very low number of projects indeed. I am going to simply propose 50% of the above figure for my response i.e. 3 LV connections and 20 HV connections.
Western Power Distribution (East Midlands) plc	Non-Confidential	LV - 18 HV - 34 EHV – 12 TOTAL 64
Western Power Distribution (South Wales) plc	Non-Confidential	LV - 13 HV - 10 EHV – 0 TOTAL 23
Western Power Distribution (South West) plc	Non-Confidential	LV - 22 HV - 35 EHV – 2 TOTAL 59
Western Power Distribution (West Midlands) plc	Non-Confidential	LV - 7 HV - 17 EHV – 62 TOTAL 86