Q. Provide documents indicating distribution substation equipment and relay equipment backlogged work, indicating the number of inspection, maintenance, testing, and repair jobs that were backlogged (not completed within time limits per program priorities) at the end of 2011, 2012, and 2013. Explain why the backlogs occurred.

A. The following table illustrates the corrective maintenance (CM) and preventive maintenance (PM) work order backlogs in the area of distribution substation and relay equipment for 2011, 2012 and 2013 on the Island Interconnected System. The backlog quantity represents the number of work orders in a particular area that have not been completed at year end. For comparison, data has been included, which indicates the number of work orders which were completed at year end.

Distribution Substation and Relay Equipment Work Order Summary 2011-2013				
YEAR	Maintenance / Repair (CM)		Inspection / Testing (PM)	
	Backlog	Completed	Backlog	Completed
2011	3	6	1	22
2012	6	6	1	26
2013	9	7	7	12

Out of a total of 79 distribution lines on the Island Interconnected System, 48 are fed directly from terminal stations. This includes 25 lines in the Central Region and 23 lines in the Northern Region. The remaining 31 lines are fed from 26 distribution stations, all in the Central Region (work order backlogs associated with terminal stations is discussed in PUB-NLH-084).

Given the sensitivity associated with customer outages, when possible every effort is made to group work orders and complete as many as possible on a single outage. This approach often results in non-critical work orders being in backlog for longer periods.