

Island Interconnected System Supply Issues and Power Outages

1 Q. Please provide documents indicating backlogged transmission line, pole, and
 2 equipment backlogs, indicating the number of inspection, maintenance, testing,
 3 and repair jobs that were backlogged (not completed within time limits per
 4 program priorities) at the end of 2011, 2012, and 2013.

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7 A. The following table illustrates the corrective maintenance (CM) and preventive
 8 maintenance (PM) work order backlogs in the area of transmission line equipment
 9 for 2011, 2012 and 2013, on the Island Interconnected System. The backlog
 10 quantities represent the number of work orders in a particular area that have not
 11 been completed at year end. For comparison, data has been included which
 12 indicates the number of work orders which were completed at year end.

Transmission Line Equipment Work Order Summary 2011-2013				
YEAR	Maintenance / Repair (CM)		Inspection / Testing (PM)	
	Backlog²	Completed	Backlog³	Completed
2011	184 ¹	292	24	304
2012	249 ¹	216	28	178
2013	278 ¹	120	56	208

¹ 36 of these work orders are for vegetation management.

² Up to 33% of CM backlog work orders are priority 4. (See PUB-NLH-083)

³ Up to 86% of PM backlog work orders are low priority.

13 While is it expected to have a small percentage of work orders in backlog,
 14 circumstances occur throughout the year that result in decisions on reprioritization
 15 of work which affect backlog. These include:

- 16 1. Critical deficiencies found during inspections; and
- 17 2. Unexpected equipment failures.

1 Other items that affect backlog in transmission include:

- 2 1. The inability to get outages due to system conditions could result in the
3 increase in backlog;
- 4 2. Deficiencies found on the wood pole line management program (WPLM)
5 generate corrective work orders. These work orders are left in backlog,
6 grouped and completed as part of the capital WPLM Refurbishment
7 Program; and
- 8 3. Vegetation work orders may reside in the related backlog for many months
9 until completed in a very short period in the summer/fall by a contractor.