

Distribution

Q. What direct and specific evidence can NP lead which supports the statement that “Expenditures on the distribution reliability initiative have had a positive impact on the reliability performance of the feeders that have been upgraded to date”.

A. Table 1 provides SAIFI and SAIDI statistics for the feeders on which substantial refurbishment was carried out during 1999, 2000 and 2001. The table compares the reliability statistics for each feeder for the 12 months ending December 31, 2002 with the feeder’s five-year average. As the table shows, the SAIFI statistics for all of the refurbished feeders indicate a reduction, substantial in almost all cases, in the frequency of outages. The table also shows a reduction in the SAIDI index, which indicates the total duration of outages, per customer, on the refurbished feeders.

Table 1 Unscheduled Distribution Outage Performance Indicators for Selected Feeders					
Feeder #	Location	SAIFI		SAIDI	
		5-Year Average (1995-1999)	12 Months ending Dec. 31/02	5-Year Average (1995-1999)	12 Months ending Dec. 31/02
DUN-01	Branch/St. Brides	11.29	0.99	20.75	1.08
RVH-01	Riverhead/St. Vincents	5.72	0.97	9.43	0.92
OPL-01	Old Perlican	10.43	0.41	32.76	0.73
BLK-02	Whitbourne	8.34	1.17	11.96	0.82
FRN-01	Frenchmans Cove/Benoits Cove	2.16	0.07	3.25	0.12
FRN-02	Lark Harbour/York Harbour	6.43	0.26	9.75	0.53
ROB-01	St. Davids/Robinsons	7.75	2.09	12.69	1.33
ABC-02	Lourdes/Piccadilly	5.64	1.33	5.50	1.48
HOL-01	Holyrood	1.59	1.51	8.80	3.74
OPL-02	Old Perlican	2.74	0.26	8.04	0.33
BLA-01	Bay L’Argent	4.68	0.42	12.52	0.97
DOY-01	Doyle’s	2.51	1.64	4.50	2.03
LAU-02	Lawn	7.56	2.16	22.24	1.13
	Total Company	1.63	1.50	2.76	1.95