

LINES BUSINESS PERFORMANCE MEASURES

MARLBOROUGH LINES LIMITED

PERFORMANCE MEASURES FOR THE LINES BUSINESS PREPARED IN ACCORDANCE WITH THE ELECTRICITY (INFORMATION DISCLOSURE) REGULATIONS 1999

Reliability Performance Measures

1 Number of interruptions by class		1999	1998	1997	1996
Class	Description	number of interruptions			
A	Transpower Planned	0	0	0	1
B	ML Ltd Planned	156	155	109	132
C	ML Ltd Unplanned	133	155	157	180
D	Transpower Unplanned	1	2	3	2
E	ECNZ Unplanned	0	0	0	0
F	Other Generation	0	0	0	0
G	Unplanned	0	0	0	0
Total		290	312	269	315

2 Interruption Targets for the following financial year		2000	
Class	Description	number of interruptions	
(a) B	ML Ltd Planned	144	
(b) C	ML Ltd Unplanned	156	

3 Average interruption targets for the subsequent four years		2001	2002	2003	2004
Class	Description	number of interruptions			
(a) B	ML Ltd Planned	126	140	148	146
(b) C	ML Ltd Unplanned	156	155	144	150

4 Percentage of Class C interruptions not restored within-		1999
(a)	Three hours	23.3%
(b)	24 hours	1.5%

5 Faults (Class C) per 100 kilometres		1999	1998	1997	1996
(a)	Total number of faults per 100 km				
	Voltage				
	33 kV	2.7	1.5	4.2	0
	11kV	6.0	2.3	7.9	9.4
	6.6kV	0.0	5.9	3.9	0
	Total	5.5	6.5	7.0	8.1
(b)	Total number of faults per 100 km following year				
	Voltage				
	33 kV	1.2			
	11kV	7.3			
	6.6kV	0.0			
	Total	6.5			
(c)	Total number of faults per 100 km following years				
	Voltage				
	33 kV	1.5	1.9	2.3	1.5
	11kV	7.1	6.9	6.2	6.4
	6.6kV	2.0	0.0	0.0	0.0
	Total	6.5	6.3	5.7	5.8

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Reliability Performance Measures (continued)

6	Faults (Class C) per 100 kilometres underground	1999	1998	1997	1996
	Voltage				
	33 kV	0.0	0.0	3.0	0.0
	11kV	3.0	3.1	9.8	8.1
	Total	2.9	1.5	9.5	7.8
7	Faults (Class C) per 100 kilometres overhead	1999	1998	1997	1996
	Voltage				
	33 kV	2.7	2.3	2.0	0.0
	11kV	6.1	7.3	7.9	9.4
	6.6kV	0.0	0.0	3.9	0.0
	Total	5.6	6.6	6.9	8.1
8	SAIDI	1999	1998	1997	1996
	Customer Minutes	246	283	190	226
9	SAIDI target				2000
(a)	Class B				75
(b)	Class C				122
10	SAIDI target	2001	2002	2003	2004
(a)	Class B	83	77	85	76
(b)	Class C	90	98	123	142
11	SAIDI per interruption class	1999	1998	1997	1996
Class	Description				customer minutes
A	Transpower Planned	0	0	0	61
B	ML Ltd Planned	72	92	74	88
C	ML Ltd Unplanned	172	135	83	62
D	Transpower Unplanned	2	56	33	15
E	ECNZ Unplanned	0	0	0	0
F	Other Generation	0	0	0	0
G	Other	0	0	0	0
	Total	246	283	190	226

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Reliability Performance Measures (continued)

12 SAIFI		1999	1998	1997	1996
Total Interruptions		2.3	4.1	2.3	4.9
13 SAIFI target					2000
(a) Class B Planned					0.5
(b) Class C Unplanned					1.9
14 SAIFI target		2001	2002	2003	2004
(a) Class B Planned		0.8	0.5	0.5	0.5
(b) Class C Unplanned		1.6	1.6	2.6	1.9
15 SAIFI per interruption class		1999	1998	1997	1996
Class Description					customer minutes
A Transpower Planned		0.0	0.0	0.0	1.4
B ML Ltd Planned		0.4	0.5	0.4	1.0
C ML Ltd Unplanned		1.8	1.6	1.4	1.3
D Transpower Unplanned		0.0	2.0	0.5	1.2
E ECNZ Unplanned		0.0	0.0	0.0	0.0
F Other Generation		0.0	0.0	0.0	0.0
G Other		0.0	0.0	0.0	0.0
Total		2.3	4.1	2.3	4.9
16 CAIDI		1999	1998	1997	1996
Customer minutes		109.0	69.9	83.9	46.0
17 CAIDI target					2000
(a) Class B Planned					165.7
(b) Class C Unplanned					64.8
18 CAIDI target		2001	2002	2003	2004
(a) Class B Planned		108.3	162.3	170.3	159.2
(b) Class C Unplanned		56.4	60.7	47.8	75.6
19 CAIDI per interruption class		1999	1998	1997	1996
Class Description					customer minutes
A Transpower Planned		0.0	0.0	0.0	50.0
B ML Ltd Planned		174.2	200.0	191.2	63.0
C ML Ltd Unplanned		93.4	3.9	60.9	50.5
D Transpower Unplanned		320.0	27.8	63.8	12.0
E ECNZ Unplanned		0.0	0.0	0.0	0.0
F Other Generation		0.0	0.0	0.0	0.0
G Other		0.0	0.0	0.0	0.0