

# MARLBOROUGH LINES LIMITED - LINES BUSINESS

## PERFORMANCE MEASURES AND STATISTICS

Prepared in Accordance with The Electricity Information Disclosure Requirements 2004

### REQUIREMENT 21 - RELIABILITY PERFORMANCE MEASURES

		targets					
		2005-09	2005	2004	2003	2002	2001
<b>1.- 3.</b>	<b>Total Interruptions and Interruption Targets by Class</b>						
	Class A - Transpower Planned			-	-	-	-
(a)	Class B - MLL Planned	166	166	277	241	159	145
(b)	Class C - MLL Unplanned	214	214	219	210	283	302
	Class D - Transpower Unplanned			11	3	1	-
	Class E - ECNZ Unplanned			-	-	-	-
	Class F - Other Generation			-	-	-	-
	Class G - Other			-	-	-	-
	<b>Total</b>			<b>507</b>	<b>454</b>	<b>443</b>	<b>447</b>
<b>4.</b>	<b>Percentage of Class C Interruptions not Restored within -</b>						
(a)	Three hours			29.7%	21.4%	29.3%	29.5%
(b)	24 hours			3.2%	0.5%	2.8%	1.6%
	<b>Faults (Class C) per 100 Kilometres</b>						
<b>5.</b>	<b>Total number of faults per 100 Kilometres</b>						<b>faults/100 km</b>
	33 kV	1.7	1.8	3.0	0.9	3.8	3.9
	11kV	9.4	9.6	9.7	9.8	13.2	14.2
	6.6kV	-	-	4.1	2.0	-	-
	<b>Total</b>	<b>8.2</b>	<b>8.4</b>	<b>8.8</b>	<b>8.5</b>	<b>11.9</b>	<b>12.8</b>
<b>6.</b>	<b>Faults (Class C) per 100 Kilometres Underground</b>						<b>faults/100 km</b>
	33 kV			-	-	-	-
	11kV			-	-	-	-
	<b>Total</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>7.</b>	<b>Faults (Class C) per 100 Kilometres Overhead</b>						<b>faults/100 km</b>
	33 kV			3.1	0.9	3.9	3.9
	11kV			10.0	10.2	13.6	14.6
	6.6kV			4.1	2.0	-	-
	<b>Total</b>			<b>9.0</b>	<b>8.8</b>	<b>12.2</b>	<b>13.1</b>

		targets					
		2005-09	2005	2004	2003	2002	2001
<b>8.</b>	<b>SAIDI - total interruptions</b>			222.4	203.8	208.2	178.7
<b>9.- 11.</b>	<b>SAIDI per interruption class</b>						<b>consumer minutes</b>
	Class A - Transpower Planned			-	-	-	-
<b>(a)</b>	Class B - MLL Planned	57.4	59.1	52.5	74.1	37.9	57.7
<b>(b)</b>	Class C - MLL Unplanned	112.2	115.5	141.2	125.7	148.0	121.0
	Class D - Transpower Unplanned			28.7	5.9	23.5	-
	Class E - ECNZ Unplanned			-	-	-	-
	Class F - Other Generation			-	-	-	-
	Class G - Other			-	-	-	-
<b>12.</b>	<b>SAIFI - total interruptions</b>			3.4	2.1	2.8	2.2
<b>13.- 15.</b>	<b>SAIFI per interruption class</b>						<b>consumer minutes</b>
	Class A - Transpower Planned			-	-	-	-
<b>(a)</b>	Class B - MLL Planned	0.3	0.3	0.3	0.3	0.2	0.4
<b>(b)</b>	Class C - MLL Unplanned	1.5	1.5	1.4	1.5	1.6	1.8
	Class D - Transpower Unplanned			1.7	0.3	1.0	-
	Class E - ECNZ Unplanned			-	-	-	-
	Class F - Other Generation			-	-	-	-
	Class G - Other			-	-	-	-
<b>16.</b>	<b>CAIDI - total interruptions</b>			65.7	96.1	73.6	82.2
<b>17.- 19.</b>	<b>CAIDI per interruption class</b>						<b>consumer minutes</b>
	Class A - Transpower Planned			-	-	-	-
	Class B - MLL Planned	170.9	170.9	156.0	232.6	158.4	163.6
	Class C - MLL Unplanned	77.0	77.0	101.3	83.1	90.9	66.5
	Class D - Transpower Unplanned			17.3	19.0	24.0	-
	Class E - ECNZ Unplanned			-	-	-	-
	Class F - Other Generation			-	-	-	-
	Class G - Other			-	-	-	-

All SAIDI, SAIFI and CAIDI figures have been calculated from average, rather than year end, consumer numbers. This is the methodology prescribed in the Commerce Act (Electricity Industry Distribution Threshold) Notice 2004. Prior years figures have been restated in accord with that method although the changes are not material.