

MARLBOROUGH LINES LIMITED - LINES BUSINESS
CONSOLIDATED PERFORMANCE MEASURES Prepared in Accordance with The Electricity (Information Disclosure) Regulations 1999 and Amendment Regulations 2000 and 2001

REGULATION 15 FINANCIAL AND EFFICIENCY PERFORMANCE MEASURES

	2003	2002	2001	2000
1. Financial Performance Measures				
(a) Return on Funds	2.11%	-2.94%	2.12%	2.28%
(b) Return on Equity	0.96%	-2.19%	0.91%	0.90%
(c) Return on Investment	16.04%	-4.34%	1.75%	0.69%
Return on Investment - excluding revaluations	1.30%			
2. Efficiency Performance Measures				
(a) Direct Line Costs per Kilometre	\$624	\$1,016	\$1,039	\$964
(b) Indirect Line costs per Consumer - including one off acquisition costs	\$77 \$97	\$101	\$91	\$104

REGULATION 21 ENERGY DELIVERY EFFICIENCY PERFORMANCE MEASURES

	2003	2002	2001	2000
1. Energy Delivery Efficiency Performance Measures				
(a) Load Factor	73.9%	62.3%	62.6%	58.2%
(b) Loss Ratio	5.7%	5.7%	5.9%	6.8%
(c) Capacity Utilisation	27.8%	25.0%	26.5%	26.0%
2. Statistics				
(a) System Length Break Down in Kilometres				kms
66kV	55			
33kV	707	262	259	259
22kV	189			
11kV	4,262	2,075	2,052	2,110
6.6kV	95	51	51	51
LV	1,074	663	654	492
Total	6,382	3,050	3,015	2,911
<i>actual total 31 March 2003</i>	7,493			
(b) Circuit length of overhead system in kilometers				kms
66kV	55			
33kV	703	258	257	257
22kV	189			
11kV	4,183	2,010	1,997	2,040
6.6kV	94	51	51	51
LV	902	527	530	401
Total	6,125	2,845	2,835	2,748
<i>actual total 31 March 2003</i>	7,218			
(c) Circuit Length of Underground System in Kilometres				kms
33kV	4	4	2	2
11kV	79	65	55	70
6.6kV	1	-	-	0
LV	172	136	124	91
Total	257	205	180	163
<i>actual total 31 March 2003</i>	274			

REGULATION 21 ENERGY DELIVERY EFFICIENCY PERFORMANCE MEASURES (continued)

	2003	2002	2001	2000
(d) Transformer Capacity in kVA <i>actual 31 March 2003</i>	331,616 368,219	222,362	211,863	204,045
(e) Maximum demand in kW <i>actual post-acquisition maximum</i>	92,346 104,765	55,609	56,224	52,976
(f) Total Electricity entering the System in kWh				
		(before losses - 2000 & 2001 figures are after losses)		
	598,113,952	303,561,295	290,043,148	270,664,287
(g) Total Electricity supplied from the System on behalf of each generator and retailer in kWh				
		after losses - 2000 & 2001 figures are before losses)		
Retailer B	312,528,041	216,073,128	245,998,574	251,171,415
Retailer C	219,692,247	57,955,341	39,939,715	20,388,502
Retailer D	2,224,543	2,482,763	9,794,061	9,201,115
Retailer E	-	2,928,427	10,392,034	5,812,149
Retailer F	1,550,650	2,640,299	1,966,857	792,451
Retailer G	28,041,235	4,280,802	-	3,113,634
Total	564,036,716	286,360,760	308,091,241	290,479,266
note the above energy volumes have been provided by energy retailers; Marlborough Lines cannot assure readers as to the accuracy of this information				
(h) Total Consumers <i>actual 31 March 2003</i>	32,196 35,915	21,038	20,805	20,572
note Total Consumers includes a small number of installations where consumption is estimated on the basis of known load rather than recorded by metering equipment.				

REGULATION 22 RELIABILITY PERFORMANCE MEASURES

		average		actual			
		target	target				
		2004-08	2004	2003	2002	2001	2000
1.- 3.	Number of interruptions and interruption Targets by class						
	Class A - Transpower Planned			-	-	-	-
(a)	Class B - Line Owner Planned	257	261	329	159	145	117
(b)	Class C - Line Owner Unplanned	386	393	322	283	302	125
	Class D - Transpower Unplanned			4	1	-	-
	Class E - Ecnz Unplanned			-	-	-	-
	Class F - Other Generation			-	-	-	-
	Class G - Other Line Owner Unplanned			-	-	-	-
	Class H - Other Line Owner Planned			-	-	-	-
	Class I - Other			-	-	-	-
	Total			655	443	447	242
note	2003 includes MLL faults for the entire year and OtagoNet faults from July 2002 to March 2003						
4.	Percentage of Class C interruptions not restored within-						
(a)	Three hours			15.5%	29.3%	29.5%	22.4%
(b)	24 hours			0.3%	2.8%	1.6%	2.4%
	Faults (Class C) per 100 kilometres						
5.	Total number of faults per 100 km						faults/100 km
	33 kV	1.9	1.9	1.1	3.8	3.9	0.8
	11kV	7.0	7.1	7.4	13.2	14.2	5.8
	6.6kV	-	-	1.1	-	-	2.0
	Total	6.3	6.4	6.1	11.9	12.8	5.2
6.	Faults (Class C) per 100 kilometres underground						faults/100 km
	33 kV			-	-	-	-
	11kV			-	-	-	4.3
	Total			-	-	-	4.2
7.	Faults (Class C) per 100 km overhead						faults/100 km
	33 kV			1.1	3.9	3.9	0.8
	11kV			7.5	13.6	14.6	5.8
	6.6kV			1.1	-	-	2.0
	Total			6.2	12.2	13.1	5.2

REGULATION 22 RELIABILITY PERFORMANCE MEASURES (continued)

	average target		target	actual			
	2004-08	2004		2003	2002	2001	2000
8. SAIDI - total customer minutes				200.5	208.2	177.7	171.6
SAIDI per interruption class							customer minutes
9.- 11. Class A - Transpower Planned				-	-	-	-
(a) Class B - Line Owner Planned	55.6	57.3		67.8	37.7	57.4	69.1
(b) Class C - Line Owner Unplanned	113.6	117.3		124.8	147.2	120.4	102.5
Class D - Transpower Unplanned				8.0	23.3	-	-
Class E - ECNZ Unplanned				-	-	-	-
Class F - Other Generation				-	-	-	-
Class G - Other Line Owner Unplanned				-	-	-	-
Class H - Other Line Owner Planned				-	-	-	-
Class I - Other				-	-	-	-
12. SAIFI - total interruptions				2.6	2.8	2.2	1.5
13.- SAIFI per interruption class							customer minutes
15. Class A - Transpower Planned				-	-	-	-
(a) Class B - Line Owner Planned	0.3	0.3		0.3	0.2	0.4	0.3
(b) Class C - Line Owner Unplanned	1.6	1.6		2.0	1.6	1.8	1.2
Class D - Transpower Unplanned				0.3	1.0	-	-
Class E - ECNZ Unplanned				-	-	-	-
Class F - Other Generation				-	-	-	-
Class G - Other Line Owner Unplanned				-	-	-	-
Class H - Other Line Owner Planned				-	-	-	-
Class I - Other				-	-	-	-
16. CAIDI - customer minutes				76.6	73.6	82.2	113.6
17.- CAIDI per interruption class							customer minutes
19. Class A - Transpower Planned				-	-	-	-
Class B - Line Owner Planned	174.4	174.4		229.2	158.4	163.6	227.7
Class C - Line Owner Unplanned	73.1	73.1		61.0	90.9	66.5	84.9
Class D - Transpower Unplanned				28.8	24.0	-	-
Class E - ECNZ Unplanned				-	-	-	-
Class F - Other Generation				-	-	-	-
Class G - Other Line Owner Unplanned				-	-	-	-
Class H - Other Line Owner Planned				-	-	-	-
Class I - Other				-	-	-	-

REGULATION 33**TIME-WEIGHTED AND MAXIMUM DEMAND AVERAGES CALCULATIONS****3 months pre and nine months post acquisition**

	TWA	CONSOL	MLL
	<i>(cx9 + mx3)/12</i>	<i>c</i>	<i>m</i>
	31-Mar-03	31-Mar-02	
Fixed Assets	88,292	111,785	17,812
Adjusted net working capital	815	980	321
Total funds employed	89,107	112,765	18,133
Total equity	83,758	104,029	22,946
Total works under construction	947	1,191	214
Total intangible assets	10,929	14,572	-
Value of system fixed assets at book value	83,596	106,657	14,413
Value of system fixed assets at ODV value	125,482	143,700	70,828
Total Consumers	32,196	35,915	21,038
Circuit Length - OH			
66kV	55	74	-
33kV	703	851	258
22kV	189	251	-
11kV	4,183	4,908	2,010
6.6kV	94	108	51
LV	902	1,027	527
Circuit Length - UG			
33kV	4	4	4
11kV	79	84	65
6.6kV	1	2	-
LV	172	185	136
Transformer Capacity kVA	331,616	368,035	222,362
	TWA	MLL&ON	MLL
		Jul-Mar	Apr-Jun
Maximum Demand	92,346	104,765	55,092