



Information Disclosure prepared according to
subpart 3 of the Part 4A Commerce Act 1986

For the Assessment Period: 1 April 2008 - 31 March 2009

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I. Introduction

These Information Disclosure documents are submitted by Eastland Network Ltd pursuant to subpart 3 of Part 4A the Commerce Act 1986 in accordance with

- ❖ The Electricity Information Disclosure Requirements issued 31 March 2004, consolidating all amendments to 31 October 2008,
- ❖ The Electricity Distribution (Information Disclosure) Requirements 2008,
- ❖ The Electricity Information Disclosure Handbook (as amended 31 October 2008), and
- ❖ The Handbook for Optimised Deprival Valuation of System Fixed Assets of Electricity Lines Businesses (30 August 2004)

Part 4A of the Commerce Act 1986 provides for a regulatory regime for electricity lines businesses, which inter alia sets out provisions for an information disclosure regime in order to allow for public monitoring of lines business operations and behavior. The purpose of the information disclosure regime is to promote the efficient operation of markets directly related to electricity distribution and transmission services. This is to be achieved by ensuring that lines companies provide timely and reliable information about their business activities and make that information publicly accessible for interested parties.

II. Structure of Eastland Network Ltd

For the purpose of regulatory compliance, Eastland Network Ltd is a “Distribution business” and must accordingly comply with the regulatory requirements. Clause 6(1)(c) of the Electricity Distribution (Information Disclosure) Requirements 2008, requires Distribution businesses to submit separate MP1 and MP3 reports in relation to their consumer-controlled parts of the network and their non-consumer controlled parts of the network

This requirement applies to Eastland Network Ltd because Eastland Network Ltd is Consumer-controlled by virtue of its ownership by the Eastland Energy Community Trust and that approximately 81% of Eastland Network’s consumers (by ICP connection) are “Controlling consumers” (being the beneficiaries of the Eastland Energy Community Trust). Therefore the additional requirements are triggered in respect of Eastland Network’s Distribution business.

III. Schedules

1. FS1 - Regulatory Profit Statement

REPORT FS1: REGULATORY PROFIT STATEMENT		Electricity Distribution Business:	Eastland Network Ltd
ref		For Year Ended	2009
5			
6	Income		
7			(\$000)
8	Net Line Charge Revenue Received	26,244	
9	plus Discretionary Discounts and Customer Rebates	-	FS1a
10	Gross Line Charge Income		26,244
11			
12			
13	Capital Contributions	50	
14	plus Net Value of Vested Assets	1,136	
15	Total Capital Contributions and Vested Assets		1,186
16			
17	AC Loss Rental Rebates Received	1,997	
18	less AC Loss Rental Rebates Passed On	1,942	
19	Net AC loss rental income (deficit)		55
20			
21			
22	Other Income	531	
23			531
24			
25	Total regulatory income		28,016
26			
27			
28	Expenses		
29			
30	Transmission Charges - Payments to Transpower	6,354	
31	plus Avoided Transmission Charges - payments to parties other than Transpower	2,083	
32	Total Transmission Costs		8,437
33			
34	Operational Expenditure:		
35	General Management, Administration and Overheads		
36	System Management and Operations		
37	Routine and Preventative Maintenance		to AM1
38	Refurbishment and Renewal Maintenance		to AM1
39	Fault and Emergency Maintenance		to AM1
40	Pass-through Costs		
41	Other		
42	Total Operational Expenditure		6,117 to MP2
43			
44			
45	Operational earnings		13,462
46			
47			
48	Regulatory Depreciation of System Fixed Assets (incl. value of assets decommissioned)	3,930	from AV1
49	plus Depreciation of Non-System Fixed Assets (incl. value of assets decommissioned)	200	from AV1
50	Total Regulatory Depreciation		4,130 to FS3
51			
52			
53	Earnings before interest and tax (EBIT)		9,332 to FS3
54			
55	less Regulatory Tax Allowance		1,008 from FS3
56			
57	plus Indexed Revaluation (of System Fixed Assets)	3,061	from AV1
58	plus Revaluations of Non-System Fixed Assets	-	from AV1
59			
60	Regulatory profit / loss (pre-financing and distributions)		11,385 to MP2

REPORT FS1: REGULATORY PROFIT STATEMENT (cont)

Notes to Regulatory Profit Statement

69	FS1a: Discretionary Discounts: Customer Rebates and other line charge adjustments		(\$000)
70	Customer Rebates		
71	Line Charge Holidays and other Discretionary Discounts		
72	Total Discretionary Discounts and Customer Rebates		-

75	FS1b: Related party expenditure - summary		(\$000)
76	Avoided Transmission Charges		
77	Operational Expenditure		
78	Subvention Payment		
79	Other related party expenditure		
80	Total Related Party Expenditure		-
81			
82			
83	<i>N.B.: The additional Related Party information that is required to be disclosed in accordance with Section 3 of the Information Disclosure Handbook is to be disclosed by way of a separate note to this Schedule and forms part of this Schedule.</i>		
84			

87	FS1c: Operational Expenditure notes		(\$000)
88			
89	Merger and Acquisition Expenses		
90	Merger and Acquisition Expenses (not to be included in Operational Expenditure)		
91			
92	Material items (if greater than 10% of the Operational Expenditure line item)		
93	Material item amount 1		<i>Notes to be provided separately</i>
94	within expenditure category:	Select one	
95			
96	Material item amount 2		<i>Notes to be provided separately</i>
97	within expenditure category:	Select one	
98			
99	Material item amount 3		<i>Notes to be provided separately</i>
100	within expenditure category:	Select one	
101			
102			
103			<i>(further disclosures to be provided on separate page if required)</i>

106	FS1d: Vested Assets		(\$000)
107	Consideration Paid for Vested Assets		22

110	FS1e: Reclassified items in Operational Expenditure		(\$000)
111	Value of items which have been reclassified since previous disclosure (if greater than 10% of any affected line item)		
112	Previous classification:	Select one	
113	New classification:	Select one	
114			
115			(\$000)
116	Value of items which have been reclassified since previous disclosure (if greater than 10% of any affected line item)		
117	Previous classification:	Select one	
118	New classification:	Select one	
119			
120			(\$000)
121	Value of items which have been reclassified since previous disclosure (if greater than 10% of any affected line item)		
122	Previous classification:	Select one	
123	New classification:	Select one	
124			
	<i>to be repeated as required for multiple reclassifications</i>		

2. FS2 - Regulatory Asset & Financing Statement

REPORT FS2: REGULATORY ASSET AND FINANCING STATEMENT			
ref	Electricity Distribution Business:	Eastland Network Ltd	
5		For Year Ended	2009
6			
7	Capital Expenditure on System Fixed Assets (by primary purpose)		(\$000)
8	Customer Connection		to AM1
9	System Growth		to AM1
10	Reliability, Safety and Environment		to AM1
11	Asset Replacement and Renewal		to AM1
12	Asset Relocations		to AM1
13	Total Capital Expenditure on System Fixed Assets	3,683	to AM1
14			
15			
16	Capital Expenditure on Non-System Fixed Assets	355	from AV1
17			
18			
19	Capital works roll-forward (for System Fixed Assets)		
20	Works Under Construction at Beginning of Year	3,904	
21	plus Total Capital Expenditure on System Fixed Assets	3,683	
22	less Assets Commissioned in Year	5,898	from AV1
23	Works under construction at year end	1,689	
24			
25			
26	Regulatory Investment Value calculation		
27	System Fixed Assets: regulatory value at end of Previous Year	103,074	from AV1
28	Non-System Fixed Assets: regulatory value at end of Previous Year	2,424	from AV1
29	Finance During Construction Allowance (on System Fixed assets)	2,525	2.45%
30	Total Regulatory Asset Base value at beginning of Current Financial Year	108,023	
31			
32	plus System Fixed Assets Commissioned in Year	5,898	from AV1
33	System Fixed Assets Acquired From (Sold to) a Non-EDB in Year	-	from AV1
34	Non-System Fixed Assets: Asset Additions	355	from AV1
35	Regulatory Asset Base investment in Current Financial Year - total	6,253	
36	Regulatory Asset Base investment in Current Financial Year - average	3,127	
37			
38	plus (minus) where a merger or acquisition has taken place within the year		
39	Adjustment for merger, acquisition or sale to another EDB	-	from AV4
40			
41	Regulatory Investment Value	111,150	to MP2

3. FS3 - Regulatory Tax Allowance Calculation

REPORT FS3: REGULATORY TAX ALLOWANCE CALCULATION		Electricity Distribution Business: Eastland Network Ltd	
ref		For Year Ended	2009
5			
6			
7			(\$000)
8	Earnings before interest and tax (EBIT)		9,332 <i>from FS1</i>
9			
10	<i>add</i> Total Regulatory Depreciation	4,130	<i>from FS1</i>
11	Other Permanent Differences - not deductible	225	
12	Other Temporary Adjustments - Current Period	279	
13			4,634
15	<i>less</i> Non Taxable Capital Contributions and Vested Assets	1,186	
16	Tax Depreciation	5,675	
17	Deductible Discretionary Discounts and Customer Rebates	-	
18	Deductible Interest	3,637	<i>from row 53</i>
19	Other Permanent Differences - Non Taxable		
20	Other Temporary Adjustments - Prior Period	110	
21			10,608
22			
23	Regulatory taxable income for Year		3,358
24			
25	<i>less</i> Tax Losses Available at Start of Year	-	
26	Net taxable income		3,358
27			
28	Statutory Tax Rate	30%	
29	Regulatory Tax Allowance		1,008 <i>to FS1</i>

Notes to Regulatory Tax Allowance Calculation

36	FS3a: Description of adjustments classified as "other"
37	
38	The Electricity Distribution Business is to provide descriptions of items recorded in the four "other" categories above (explanatory notes can be provided in a separate note if necessary).
39	
40	
41	
42	
43	
44	
45	

48	FS3b: Financing assumptions (for Deductible Interest and Interest Tax Shield calculation)		
49			
50	Standard Debt Leverage Assumption (debt/total assets)	40%	%
51			
52	Standard Cost of Debt Assumption	8.18%	%
53			
54	Deductible Interest	3,637	\$000 <i>to row 18</i>
55			
56	Interest Tax Shield Adjustment	1,091	\$000 <i>to MP2</i>

4. AV1 - Annual Regulatory Valuation Roll-Forward Report

REPORT AV1: ANNUAL REGULATORY VALUATION ROLL-FORWARD REPORT							
ref	Electricity Distribution Business: Eastland Network						
5	For Year Ended:				2009		
6	Year of most recent ODV				2004		
7							
8	(\$000)						
9		ODV Year +	ODV Year +	ODV Year +	ODV Year +		
10		1	2	3	4		
11	For Year Ending:	2005	2006	2007	2008		
12					2009		
11	System Fixed Assets						
12	Regulatory Value at End of Previous Year*	86,184	90,568	97,606	101,081	103,074	to FS2
13	plus						
14	Assets Commissioned	5,763	8,199	4,998	1,815	5,898	to FS2
15	Gross Value of Vested Assets				678	1,158	to FS1
16	Assets Acquired from (Sold to) a Non-EDB						to FS2
17	Asset Additions	5,763	8,199	4,998	2,493	7,057	
18	plus						
19	Indexed Revaluation	2,322	3,041	2,477	3,403	3,061	to FS1
20	less						
21	Depreciation of System Fixed Assets	3,365	3,515	3,634	3,773	3,915	
22	Regulatory Value of Assets Decommissioned	336	687	366	130	15	
23	Regulatory Depreciation (incl. value of assets decommissioned)	3,701	4,202	4,000	3,903	3,930	to FS1
24							
25	plus (minus)						
26	Acquisition of System Fixed Assets from another EDB	-	-	-	-	-	from AV4
27	less Sale of System Fixed Assets to another EDB	-	-	-	-	-	from AV4
28	Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB	-	-	-	-	-	
29							
30	plus (minus)						
31	Net Increase (Decrease) Due to Changes in Asset Register Information						
32							
33	Regulatory Value of System Fixed Assets at Year End	90,568	97,606	101,081	103,074	109,261	
34							
35	Non-System Fixed Assets						
36	Regulatory value at end of previous year	2,835	2,698	2,670	2,564	2,424	
37							
38	plus Asset Additions	151	359	229	19	355	to FS2
39	plus Revaluations	30	(32)		107		to FS1
40	less Depreciation (incl. value of assets decommissioned)	318	355	335	266	200	to FS1
41	plus Net Acquisitions (Sales) of Non-System Fixed Assets from (to) an EDB	-	-	-	-	-	from AV4
42	Regulatory Value of Non-System Fixed Assets at Year end	2,698	2,670	2,564	2,424	2,579	
43							
44							
45	Total Regulatory Asset Base Value (excluding FDC)	93,266	100,276	103,645	105,498	111,840	
46							
47							
48	* The commencing figure for completing this schedule is the most recent ODV value						
49	Note: Additional columns to be added if required						

Notes to Annual Regulatory Valuation Roll-forward Report

57	AV1a: Calculation of Revaluation Rate and Indexed Revaluation of System Fixed Assets						
58	CPI as at date of ODV	928					
59							
60	For Year Ended	2005	2006	2007	2008	2009	
61	CPI at CPI reference date	953	985	1010	1044	1075	
62	Revaluation Rate	2.69%	3.36%	2.54%	3.37%	2.97%	
63							
64	System Fixed Assets: Regulatory Value at End of Previous Year	86,184	90,568	97,606	101,081	103,074	
65	Indexed Revaluation of System Fixed Assets	2,322	3,041	2,477	3,403	3,061	to FS1, AV1

68	AV1b: Input for prior year Acquisitions (Sales) of Assets to (from) another ELB					
69	For Year Ended	2005	2006	2007	2008	2009
70	Acquisition of System Fixed Assets from another EDB					
71	Sale of System Fixed Assets to another EDB					
72	Net Acquisitions (Sales) of Non-System Fixed Assets from (to) an EDB					

5. AV2 Regulatory Valuation Disclosure by Asset Class

REPORT AV2: REGULATORY VALUATION DISCLOSURE BY ASSET CLASS (for System Fixed Assets)

ref	Electricity Distribution Business: Eastland Network							For Year Ended: 2009		
	Subtotals by Asset Class (for System Fixed Assets)							(\$000)		
	Subtransmission	Zone Substations	Distribution & LV Lines	Distribution & LV Cables	Distribution Substations and Transformers	Distribution Switchgear	Other System Fixed Assets	Total for System Fixed Assets (per AV1)		
11	System Fixed Assets									
12	Regulatory Value of System Fixed Assets (as per most recent ODV)	7,245	7,441	33,058	14,667	13,124	7,747	2,902	86,184	from AV1
15	Cumulative roll-forward since most recent ODV:									
16	Asset Additions								28,510	from AV1
17	Indexed Revaluation (of System Fixed Assets)								14,304	from AV1
18	less Regulatory Depreciation (of System Fixed Assets)								19,736	from AV1
19	Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB								-	from AV1
20	Net Increase (Decrease) Due to Changes in Asset Register Information								-	from AV1
21	Regulatory Value of System Fixed Assets at Year End								109,261	from AV1

6. AV3 - System Fixed Assets Replacement Cost Roll-Forward Report

REPORT AV3: SYSTEM FIXED ASSETS REPLACEMENT COST ROLL-FORWARD REPORT

ref		Electricity Distribution Business:	Eastland Network Ltd
5		For Year Ended:	2009
6	System Fixed Assets - Replacement Cost		
7			(\$000)
8	Replacement cost at end of previous year		229,763
9			
10	Asset Additions		7,057 AV3a
11	Indexed Revaluation (of System Fixed Assets)		6,822
12	less Replacement Cost of Assets Decommissioned		991
13	Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB		- from AV4
14	Net Increase (Decrease) Due to Changes in Asset Register Information		
15	Replacement cost of System Fixed Assets at year end		242,651
16			
17			
18	System Fixed Assets - Depreciated Replacement Cost		
19			
20	Depreciated Replacement Cost at end of previous year		103,074
21			
22	Asset Additions		7,057 AV3a
23	Indexed Revaluation (of System Fixed Assets)		3,061
24	less Depreciation of Replacement Cost		3,915
25	less Depreciated Replacement Cost of Assets Decommissioned		15
26	Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB		- from AV4
27	Net Increase (Decrease) Due to Changes in Asset Register Information		
28	Depreciated replacement cost of System Fixed Assets at year end		109,262

REPORT AV3: SYSTEM FIXED ASSETS REPLACEMENT COST ROLL-FORWARD REPORT (con

Notes to Price and Quality Measures

36	AV3a: New Asset Additions		
37			
38	Asset Additions - Depreciated Replacement Cost		7,057 from AV1
39	plus Difference in Replacement Cost and Depreciated Replacement Cost values of Asset Additions		
40			
41	Asset Additions - Replacement Cost		7,057
42			

7. AV4 - Business Merger, Acquisition or Sale – Regulatory Asset Base Disclosure

REPORT AV4: BUSINESS MERGER, ACQUISITION OR SALE - REGULATORY ASSET BASE DISCLOSURE

Electricity Distribution Business: Eastland Network Ltd

6 **Disclosure required? (YES or NIL DISCLOSURE):** NO DISCLOSURE REQUIRED

7

8

9 As at (date): 31/03/2009

10 Proportion of year following transfer of assets 0%

11

12 **PART 1: Most recent ODV valuation of System Fixed Assets transferred** (\$000)

	Subtransmission	Zone substations	Distribution & LV Lines	Distribution & LV Cables	Distribution substations and transformers	Distribution switchgear	Other System Fixed Assets	Total for System Fixed Assets
13 Replacement Cost (RC)								-
14 less Depreciation								-
15 Depreciated Replacement Cost (DRC)	-	-	-	-	-	-	-	-
16								
17 less Optimisation adjustment								-
18 Optimised Depreciated Replacement Cost (ODRC)	-	-	-	-	-	-	-	-
19								
20 less Economic Value Adjustment (EVA)								-
21 Most recent ODV value	-	-	-	-	-	-	-	-
22								
23								
24								
25								
26 PART 2: Valuation disclosure for transferred assets by Asset Class (at transfer date) (\$000)								
	Total for System Fixed Assets	Non-System Fixed Assets	Total RAB value (excl. FDC)					
27 Regulatory Value of System Fixed Assets (as per most recent ODV)	-							
28								
29 Cumulative roll-forward since most recent ODV:								
30 Asset Additions								
31 Indexed Revaluation (of System Fixed Assets)								
32 less Regulatory Depreciation (of System Fixed Assets)								
33 Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB								
34 Net Increase (Decrease) due to Changes in Asset Register Information								
35 RAB Value of Transferred Assets at Transfer Date	-		-					
36								
37 Acquisition of Assets from Another EDB	-	-	to AV1					
38 Sale of Assets to Another EDB	-	-	to AV1					
39								
40								
41 RAB Value of Transferred Assets at Transfer Date	-							
42 "p" factor (proportion of year following transfer of assets)	0%							
43 Adjustment for merger, acquisition or sale to another EDB		-	to FS2					
44								
45								
46								
47 PART 3: Rolled-forward Replacement Cost values for System Fixed Assets transferred (\$000)								
	RC & DRC values of System Fixed Assets at transfer date	RAB value of acquired/(sold) assets						
48 Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB - RC		-						
49 Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB - DRC		-						
50								
51								
52 Signed by:	Selling Entity							
53								
54	Acquiring Entity							
55								
56								
57								

REPORT AV4: BUSINESS MERGER, ACQUISITION OR SALE - REGULATORY ASSET BASE DISCLOSURE

Electricity Distribution Business: **Eastland Network Ltd**

6 Disclosure required? (YES or NIL DISCLOSURE): **NO DISCLOSURE REQUIRED**

As at (date): **31/03/2009**

Proportion of year following transfer of assets: **0%**

PART 1: Most recent ODV valuation of System Fixed Assets transferred (\$000)

	Subtransmission	Zone substations	Distribution & LV Lines	Distribution & LV Cables	Distribution substations and transforme	Distribution switchgear	Other System Fixed Assets	Total for System Fixed Assets
13 Replacement Cost (RC)								-
14 less Depreciation								-
15 Depreciated Replacement Cost (DRC)	-	-	-	-	-	-	-	-
16 less Optimisation adjustment								-
17 Optimised Depreciated Replacement Cost (ODRC)	-	-	-	-	-	-	-	-
18 less Economic Value Adjustment (EVA)								-
19 Most recent ODV Value	-	-	-	-	-	-	-	-

PART 2: Valuation disclosure for transferred assets by Asset Class (at transfer date) (\$000)

	Total for System Fixed Assets	Non-System Fixed Assets	Total RAB value (excl. FDC)
27 Regulatory Value of System Fixed Assets (as per most recent ODV)	-		-
28 Cumulative roll-forward since most recent ODV:			
29 Asset Additions			
30 Indexed Revaluation (of System Fixed Assets)			
31 less Regulatory Depreciation (of System Fixed Assets)			
32 Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB			
33 Net Increase (Decrease) Due to Changes in Asset Register Information			
34 RAB Value of Transferred Assets at Transfer Date	-		-
35 Acquisition of Assets from Another EDB	-	-	to AV1
36 Sale of Assets to Another EDB	-	-	to AV1
37 RAB Value of Transferred Assets at Transfer Date	-		
38 "p" factor (proportion of year following transfer of assets)	0%		
39 Adjustment for merger, acquisition or sale to another EDB		-	to FS2

PART 3: Rolled-forward Replacement Cost values for System Fixed Assets transferred (\$000)

	RC & DRC values of System Fixed Assets at transfer date	RAB value of acquired/(sold) assets
48 Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB - RC		- to AV3
49 Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB - DRC		-

Signed by: Selling Entity _____
 Acquiring Entity _____

REPORT AV4: BUSINESS MERGER, ACQUISITION OR SALE - REGULATORY ASSET BASE DISCLOSURE

Electricity Distribution Business: **Eastland Network Ltd**

6 Disclosure required? (YES or NIL DISCLOSURE): **NO DISCLOSURE REQUIRED**

7
8 As at (date): **31/03/2009**
9 Proportion of year following transfer of assets **0%**
10
11

12 **PART 1: Most recent ODV valuation of System Fixed Assets transferred** (\$000)

	Subtransmission	Zone substations	Distribution & LV Lines	Distribution & LV Cables	Distribution substations and transforme	Distribution switchgear	Other System Fixed Assets	Total for System Fixed Assets
13 Replacement Cost (RC)								-
14 less Depreciation								-
15 Depreciated Replacement Cost (DRC)	-	-	-	-	-	-	-	-
16 less Optimisation adjustment								-
17 Optimised Depreciated Replacement Cost (ODRC)	-	-	-	-	-	-	-	-
18 less Economic Value Adjustment (EVA)								-
19 Most recent ODV Value	-	-	-	-	-	-	-	-

26 **PART 2: Valuation disclosure for transferred assets by Asset Class (at transfer date)** (\$000)

	Total for System Fixed Assets	Non-System Fixed Assets	Total RAB value (excl. FDC)
27 Regulatory Value of System Fixed Assets (as per most recent ODV)	-		
28 Cumulative roll-forward since most recent ODV:			
29 Asset Additions			
30 Indexed Revaluation (of System Fixed Assets)			
31 less Regulatory Depreciation (of System Fixed Assets)			
32 Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB			
33 Net Increase (Decrease) Due to Changes in Asset Register Information			
34 RAB Value of Transferred Assets at Transfer Date	-		-
35 Acquisition of Assets from another EDB	-	-	to AV1
36 Sale of Assets to another EDB	-	-	to AV1
37 RAB Value of Transferred Assets at Transfer Date	-		
38 "p" factor (proportion of year following transfer of assets)	0%		
39 Adjustment for merger, acquisition or sale to another EDB		-	to FS2

47 **PART 3: Rolled-forward Replacement Cost values for System Fixed Assets transferred** (\$000)

	RC & DRC values of System Fixed Assets at transfer date	RAB value of acquired/(sold) assets
48 Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB - RC		-
49 Net Acquisitions (Sales) of System Fixed Assets from (to) an EDB - DRC		-

50
51
52 Signed by: Selling Entity _____
53
54 Acquiring Entity _____
55
56
57

8. MP1 - Network Information – Total Business

REPORT MP1: NETWORK INFORMATION

(Separate report required for each Non-Contiguous Network)

ref	Electricity Distribution Business:	Eastland Network Ltd
6		For Year Ended: 2009
7	Network Name:	Total Business (enter "Total Business" or name of network)
9	Disclosure:	Annual Disclosure - Requirement 6(1)
10	Circuit Length by Operating Line Voltage (at year end)	
11		Overhead (km) Underground (km) Total (km)
12	> 66kV	-
13	50kV & 66kV	300 1 301
14	33kV	34 0 34
15	SWER (all SWER voltages)	1 - 1
16	22kV (other than SWER)	- - -
17	6.6kV to 11kV (inclusive - other than SWER)	2,411 136 2,547
18	Low Voltage (< 1kV)	540 241 781
19	Total circuit length (for Supply)	3,287 378 3,664 to MP2
20	Dedicated Street Lighting Circuit Length	1 10 11
23	Overhead Circuit Length by Terrain (at year end)	
24		(km) (%)
25	Urban (only)	179 5%
26	Rural (only)	1,759 54%
27	Remote (only)	385 12%
28	Rugged (only)	5 0%
29	Rural & rugged (only)	691 21%
30	Remote & rugged (only)	269 8%
31	Unallocated overhead lines	- 0%
32	Total overhead length	3,287 100%
34	Transformer capacity (at year end)	
35	Distribution Transformer Capacity (EDB Owned)	208 MVA Previous Year 202
36	Distribution Transformer Capacity (Non-EDB Owned, Estimated)	28 MVA 27
37	Total Distribution Transformer Capacity	236 MVA (to MP2) 229
38		
39	Zone Substation Transformer Capacity	157 MVA 158
40		
41	System Fixed Assets age (at year end)	
42	Average Age of System Fixed Assets	27 Years
43	Average Expected Total Life of System Fixed Assets	50 Years
44	Average Age as a Proportion of Average Expected Total Life	55% %
45		
46	Estimated Proportion of Assets (by Replacement Cost) within 10 years of Total Life	32% %
47		
48		
49		
50		
51	Electricity demand	
52		Maximum coincident system demand (MW) Non-coincident Sum of maximum demands (MW)
53	GXP Demand	50 52
54	plus Embedded Generation Output at HV and Above	6
55	Maximum System Demand	56
56	less Net Transfers to (from) Other EDBs at HV and Above	
57	Demand on system for supply to customers' Connection Points	56
58	less Subtransmission Customers' Connection Point Demand	
59	Maximum Distribution Transformer Demand	56 to MP2
60		
61	GXP Demand not Supplied at Subtransmission Level	6
62	Embedded Generation Output - Connected to Subtransmission System	
63	Net Transfers to (from) Other EDBs at Subtransmission Level Only	-
64		
65	Estimated Controlled Load Shed at Time of Maximum System Demand (MW)	3
66		
67	Five-Year System Maximum Demand Growth Forecast	1.1 % p.a.
68		
69	Electricity volumes carried	
70		(GWh)
71	Electricity Supplied from GXPs	288
72	less Electricity Exports to GXPs	-
73	plus Electricity Supplied from Embedded Generators	12
74	less Net Electricity Supplied to (from) Other EDBs	-
75	Electricity entering system for supply to customers' Connection Points	300
76	less Electricity Supplied to Customers' Connection Points	281
77	Electricity Losses (loss ratio)	19 6.4% % to MP2
78		
79	Electricity Supplied to Customers' Connection Points	281
80	less Electricity Supplied to Largest 5 Connection Points	46
81	Electricity supplied other than to Largest 5 Connection Points	235 84% %
82		
83	Load Factor	61% %
84		
85	Number of Connection Points (at year end)	25,300 ICPs to MP2
86		
87	Intensity of service requirements	
88	Demand Density (Maximum Distribution Transformer Demand / Total circuit length)	15 kVA/km
89	Volume Density (Electricity Supplied to Customers' Connection Points / Total circuit length)	77 MWh/km
90	Connection Point Density (ICPs / Total circuit length)	7 ICP/km
91	Energy Intensity (Electricity Supplied to Customers' Connection Points / ICP)	11,096 kWh/ICP

9. MP1 - Network Information – Gisborne

REPORT MP1: NETWORK INFORMATION

(Separate report required for each Non-Contiguous Network)

ref		Electricity Distribution Business:	Eastland Network Ltd
6			For Year Ended: 2009
7	Network Name:	Eastland Network Ltd. - Gisborne (enter "Total Business" or name of network)	
9	Disclosure:	Annual Disclosure - Requirement 6(1)	
10	Circuit Length by Operating Line Voltage (at year end)	Overhead (km)	Underground (km)
11			Total (km)
12	> 66kV	-	-
13	50kV & 66kV	268	1
14	33kV	-	-
15	SWER (all SWER voltages)	-	-
16	22kV (other than SWER)	-	-
17	6.6kV to 11kV (inclusive - other than SWER)	1,727	116
18	Low Voltage (< 1kV)	403	195
19	Total circuit length (for Supply)	2,398	312
20			2,710 to MP2
21	Dedicated Street Lighting Circuit Length	1	9
22			10
23	Overhead Circuit Length by Terrain (at year end)	(km)	(%)
24	Urban (only)	156	6%
25	Rural (only)	1,393	58%
26	Remote (only)	302	13%
27	Rugged (only)	5	0%
28	Rural & rugged (only)	431	18%
29	Remote & rugged (only)	112	5%
30	Unallocated overhead lines	-	0%
31	Total overhead length	2,398	100%
32			
33			
34	Transformer capacity (at year end)		Previous Year
35	Distribution Transformer Capacity (EDB Owned)	168 MVA	162
36	Distribution Transformer Capacity (Non-EDB Owned, Estimated)	19 MVA	18
37	Total Distribution Transformer Capacity	187 MVA (to MP2)	179
38			
39	Zone Substation Transformer Capacity	155 MVA	155
40			
41	System Fixed Assets age (at year end)		
42	Average Age of System Fixed Assets	27 Years	
43	Average Expected Total Life of System Fixed Assets	50 Years	
44	Average Age as a Proportion of Average Expected Total Life	54%	
45			
46	Estimated Proportion of Assets (by Replacement Cost) within 10 years of Total Life	31%	
47			
48			
49			
50	Electricity demand	Maximum coincident system demand (MW)	Non-coincident Sum of maximum demands (MW)
51			
52	GXP Demand	42	42
53	plus Embedded Generation Output at HV and Above	4	
54	Maximum System Demand	46	
55	less Net Transfers to (from) Other EDBs at HV and Above	-	
56	Demand on system for supply to customers' Connection Points	46	
57	less Subtransmission Customers' Connection Point Demand	-	
58	Maximum Distribution Transformer Demand	46	
59			to MP2
60			
61	GXP Demand not Supplied at Subtransmission Level	-	
62	Embedded Generation Output - Connected to Subtransmission System	-	
63	Net Transfers to (from) Other EDBs at Subtransmission Level Only	-	
64			
65	Estimated Controlled Load Shed at Time of Maximum System Demand (MW)	3	
66			
67	Five-Year System Maximum Demand Growth Forecast	1.0 % p.a.	
68			
69	Electricity volumes carried	(GWh)	
70	Electricity Supplied from GXPs	242	
71	less Electricity Exports to GXPs	-	
72	plus Electricity Supplied from Embedded Generators	1	
73	less Net Electricity Supplied to (from) Other EDBs	-	
74	Electricity entering system for supply to customers' Connection Points	243	
75	less Electricity Supplied to Customers' Connection Points	228	
76	Electricity Losses (loss ratio)	14	5.9% %
77			to MP2
78	Electricity Supplied to Customers' Connection Points	228	
79	less Electricity Supplied to Largest 5 Connection Points	35	
80	Electricity supplied other than to Largest 5 Connection Points	193	84% %
81			
82	Load Factor	61% %	
83			
84	Number of Connection Points (at year end)	20,457 ICPs	to MP2
85			
86	Intensity of service requirements		
87	Demand Density (Maximum Distribution Transformer Demand / Total circuit length)	17 kW/km	
88	Volume Density (Electricity Supplied to Customers' Connection Points / Total circuit length)	84 MWh/km	
89	Connection Point Density (ICPs / Total circuit length)	8 ICP/km	
90	Energy Intensity (Electricity Supplied to Customers' Connection Points / ICP)	11,157 kWh/ICP	

10. MP1 - Network Information - Wairoa

REPORT MP1: NETWORK INFORMATION

(Separate report required for each Non-Contiguous Network)

ref	Electricity Distribution Business:		Eastland Network Ltd
6			For Year Ended: 2009
7	Network Name:	Eastland Network Ltd. - Wairoa	(enter "Total Business" or name of network)
9	Disclosure:	Annual Disclosure - Requirement 6(1)	
10	Circuit Length by Operating Line Voltage (at year end)		
11		Overhead (km)	Underground (km)
12	> 66kV	-	-
13	50kV & 66kV	32	-
14	33kV	34	0
15	SWER (all SWER voltages)	1	-
16	22kV (other than SWER)	-	-
17	6.6kV to 11kV (inclusive - other than SWER)	684	20
18	Low Voltage (< 1kV)	138	46
19	Total circuit length (for Supply)	889	66
20			955
21	Dedicated Street Lighting Circuit Length	-	1
22			1
23	Overhead Circuit Length by Terrain (at year end)		
24		(km)	(%)
25	Urban (only)	23	3%
26	Rural (only)	365	41%
27	Remote (only)	83	9%
28	Rugged (only)	-	0%
29	Rural & rugged (only)	260	29%
30	Remote & rugged (only)	157	18%
31	Unallocated overhead lines	-	0%
32	Total overhead length	889	100%
34	Transformer capacity (at year end)		
35	Distribution Transformer Capacity (EDB Owned)	40	MVA
36	Distribution Transformer Capacity (Non-EDB Owned, Estimated)	9	MVA
37	Total Distribution Transformer Capacity	50	MVA (to MP2)
39	Zone Substation Transformer Capacity	3	MVA
41	System Fixed Assets age (at year end)		
42	Average Age of System Fixed Assets	30	Years
43	Average Expected Total Life of System Fixed Assets	50	Years
44	Average Age as a Proportion of Average Expected Total Life	59%	%
46	Estimated Proportion of Assets (by Replacement Cost) within 10 years of Total Life	38%	%
51	Electricity demand		
52		Maximum coincident system demand (MW)	Non-coincident Sum of maximum demands (MW)
53	GXP Demand	6	10
54	plus Embedded Generation Output at HV and Above	5	
55	Maximum System Demand	11	
56	less Net Transfers to (from) Other EDBs at HV and Above	-	
57	Demand on system for supply to customers' Connection Points	11	
58	less Subtransmission Customers' Connection Point Demand	-	
59	Maximum Distribution Transformer Demand	11	
61	GXP Demand not Supplied at Subtransmission Level	6	
62	Embedded Generation Output - Connected to Subtransmission System	-	
63	Net Transfers to (from) Other EDBs at Subtransmission Level Only	-	
65	Estimated Controlled Load Shed at Time of Maximum System Demand (MW)	0	
67	Five-Year System Maximum Demand Growth Forecast	0.1	% p.a.
69	Electricity volumes carried		
70		(GWh)	
71	Electricity Supplied from GXPs	46	
72	less Electricity Exports to GXPs	-	
73	plus Electricity Supplied from Embedded Generators	11	
74	less Net Electricity Supplied to (from) Other EDBs	-	
75	Electricity entering system for supply to customers' Connection Points	57	
76	less Electricity Supplied to Customers' Connection Points	52	
77	Electricity Losses (loss ratio)	5	8.4%
78	Electricity Supplied to Customers' Connection Points	52	
79	less Electricity Supplied to Largest 5 Connection Points	16	
80	Electricity supplied other than to Largest 5 Connection Points	36	69%
83	Load Factor	60%	%
84	Number of Connection Points (at year end)	4,843	ICPs
86	Intensity of service requirements		
87	Demand Density (Maximum Distribution Transformer Demand / Total circuit length)	11	kW/km
88	Volume Density (Electricity Supplied to Customers' Connection Points / Total circuit length)	55	MWh/km
89	Connection Point Density (ICPs / Total circuit length)	5	ICP/km
90	Energy Intensity (Electricity Supplied to Customers' Connection Points / ICP)	10,839	kWh/ICP

11. MP2 - Performance Measures

REPORT MP2: PERFORMANCE MEASURES

ref	Electricity Distribution Business:		Eastland Network Ltd			
	For Year Ended:		2009			
5						
6	Performance comparators					
7		Previous Years:		Current Financial Year		
8		Current Yr - 3	Current Yr - 2	Current Yr - 1		
9	Operational expenditure ratio					
10		<i>Total Operational Expenditure</i>	5	6 \$m from FS1		
11		<i>Replacement Cost of System Fixed Assets (at year end*)</i>	230	243 \$m from AV3		
12		Ratio (%)	Not defined	2.17%		
13			Not defined	2.52%		
14	Capital expenditure ratio					
15		<i>Total Capital Expenditure on System Fixed Assets</i>	4	4 \$m from FS2		
16		<i>Replacement Cost of System Fixed Assets (at year end*)</i>	230	243 \$m from AV3		
17		Ratio (%)	Not defined	1.74%		
18			Not defined	1.52%		
19	Capital expenditure growth ratio					
20		<i>Capital Expenditure: Customer Connection and System Growth</i>		- \$m from FS2		
21		<i>Change in Total Distribution Transformer Capacity</i>		7 MVA from MP1		
22		\$/kVA	Not defined	Not defined		
23			Not defined	- \$/kVA		
24	Renewal expenditure ratio					
25		<i>Capital & Operational Expenditure: Asset Replacement, Refurbishment and Renewal</i>		- \$m from FS1 & 2		
26		<i>Regulatory Depreciation of System Fixed Assets</i>		4 \$m from AV1		
27		Ratio (%)	Not defined	Not defined		
28			Not defined	0%		
29	Distribution Transformer Capacity Utilisation					
30		<i>Maximum Distribution Transformer Demand</i>	56	59		
31		<i>Total Distribution Transformer Capacity (at year end*)</i>	201	207		
32		Ratio (%)	27.9%	28.5%		
33			25.3%	23.7%		
34	Return on Investment					
35		<i>Regulatory Profit / Loss (pre-financing and distributions)</i>		11		
36		<i>less Interest Tax Shield Adjustment</i>		1		
37		<i>Adjusted Regulatory Profit</i>	-	-		
38		<i>Regulatory Investment Value</i>		107		
39		Ratio (%)	Not defined	Not defined		
40			9.35%	9.26%		
41		<small>* If a Merger or Asset Transfer with another EDB was entered into during the year, the denominators are calculated as time-weighted averages.</small>				
42	Expenditure comparison table					
43		Expenditure metrics (\$ per):				
44						
45		Total circuit length (for Supply)	Electricity Supplied to Customers' Connection Points	Maximum coincident system demand	Connection Point	Distribution Transformer Capacity (EDB-Owned)
46		(\$/km)	(\$/MWh)	(\$/MW)	(\$/ICP)	(\$/MVA)
47		1,102	14	72,172	160	19,375
48		1,669	22	109,330	242	29,351
49						

Note:

1. Previous year information has been extracted from previous Information Disclosure FY 2007/08, i.e. data for the years 2005/06 and 2006/07 have been calculated with the approach as defined in the Original Requirements. In previous years, no differentiation between "EDB-owned" and "Non-EDB-owned" transformer capacity was made.
2. Current Financial Year information for the line items called "Operational Expenditure Ratio", "Capital Expenditure Ratio", "Return on Investment", "Capital Expenditure Growth Ratio", and "Renewal Expenditure Growth Ratio" is automatically generated due to locked spreadsheet.

12. MP3 - Price and Quality Measures – Total Business

REPORT MP3: PRICE & QUALITY MEASURES (Separate report required for each Non-contiguous Network)

Electricity Distribution Business: **Eastland Network**
For Year Ended: **2009**

Network Name: **Total Business**
Disclosure: **Annual Disclosure - Requirement 6(1)**

QUALITY

Interruptions

Interruptions by class

Class A	1	planned interruptions by Transpower:
Class B	197	planned interruptions on the network
Class C	237	unplanned interruptions on the network
Class D	-	unplanned interruptions by Transpower
Class E	-	unplanned interruptions of network owned generation
Class F	-	unplanned interruptions of generation (non-network)
Class G	-	unplanned interruptions caused by other electricity industry participant
Class H	-	planned interruptions caused by other electricity industry participant
Total	435	Total of above

Interruption targets for Forecast Year

	2010	Current Financial Year +1
Class B	130	planned interruptions on the network
Class C	250	unplanned interruptions on the network

Average interruption targets for 5 Forecast Years

	2010-2014	Current Financial Year +1 to +5
Class B	130	planned interruptions on the network
Class C	250	unplanned interruptions on the network

Class C interruptions restored within

	≤3Hrs	>3hrs
	145	92

Faults

Faults per 100 circuit kilometres

The total number of faults for Current Financial Year	8.22	in year	2009
The total number of faults forecast for the Forecast Year	8.67	in year	2010
The average annual number of faults forecast for the 5 Forecast Years	8.67	average over years	2010-2014

Fault Information per 100 circuit kilometres by Voltage and Type

	6.6kV & 11kV non-SWER		22kV non-SWER		SWER	33kV	50kV & 66kV	>66kV
	Yes	No	Yes	No	Yes	Yes	Yes	No
Is this voltage part of the EDB system?	9.11		-		-	-	1.66	
Current Financial Year	9.58		0.01		2.91		1.66	
Forecast Year	9.58		0.01		2.91		1.66	
Average annual for 5 Forecast Years								

Fault Information per 100 circuit kilometres by Voltage and Type

	6.6kV & 11kV non-SWER		22kV non-SWER		SWER	33kV	50kV & 66kV	>66kV
	Underground	Overhead	Underground	Overhead	Underground	Overhead	Underground	Overhead
Underground	5.90		-		-	-	-	-
Overhead	9.29		-		-	-	1.66	

Reliability

Overall reliability

Based on the total number of interruptions	SAIDI	SAIFI	CAIDI
	248.82	3.42	72.66

Reliability by interruption class

	SAIDI	SAIFI	CAIDI
Class B	53.25	0.38	141.66
Class C	189.84	3.02	62.65

Targets for Forecast Year

	SAIDI	SAIFI	CAIDI
Class B	43.00	0.20	215.00
Class C	242.00	3.80	63.68

Average targets for 5 Forecast Years

	SAIDI	SAIFI	CAIDI
Class B	43.00	0.20	215.00
Class C	242.00	3.80	63.68

PRICES

Price information by Connection Point Class

	Connection Point Class				Total	
	Small Connection Points	Medium Connection Points	Large Connection Points	Largest 5 Connection Points		
Gross line charge income (\$000)	20,651	1,937	2,062	1,594	26,244	from FS1
Electricity Supplied to Customers' Connection Points (MWh)	164,392	26,315	43,802	46,228	280,738	from MP1
Number of Connection Points (ICPs) at year end	24,882	315	98	5	25,300	from MP1
Unit Price (cents/kWh)	12.6	7.4	4.7	3.4	9.3	
Relative Unit Price Index	1.00	0.59	0.37	0.27	0.74	

REPORT MP3: PRICE AND QUALITY (cont)

Notes to Price and Quality Measures

89	MP3a: Connection Point Class breakpoints	
90		
91	Connection Point Class breakpoints methodology	kVA based breakpoints
92		
93	kVA based breakpoints - additional disclosure	
94	Breakpoint between small and medium classes	25 kVA
95	Breakpoint between large and medium classes	69 kVA
96		

13. MP3 - Price and Quality Measures – Gisborne

REPORT MP3: PRICE & QUALITY MEASURES (Separate report required for each Non-contiguous Network)

Electricity Distribution Business: **Eastland Network**
For Year Ended: **2009**

Network Name: **Eastland Network Ltd - Gisborne**
Disclosure: **Annual Disclosure - Requirement 6(1)**

QUALITY

Interruptions

Interruptions by class

Class A	-	planned interruptions by Transpower
Class B	177	planned interruptions on the network
Class C	183	unplanned interruptions on the network
Class D	-	unplanned interruptions by Transpower
Class E	-	unplanned interruptions of network owned generation
Class F	-	unplanned interruptions of generation (non-network)
Class G	-	unplanned interruptions caused by other electricity industry participant
Class H	-	planned interruptions caused by other electricity industry participant
Total	360	Total of above

Interruption targets for Forecast Year

	2010	Current Financial Year +1
Class B	100	planned interruptions on the network
Class C	180	unplanned interruptions on the network

Average interruption targets for 5 Forecast Years

	2010-2014	Current Financial Year +1 to +5
Class B	100	planned interruptions on the network
Class C	180	unplanned interruptions on the network

Class C interruptions restored within

	≤3Hrs	>3hrs
	110	73

Faults

Faults per 100 circuit kilometres

The total number of faults for Current Financial Year	8.66	in year	2009
The total number of faults forecast for the Forecast Year	8.53	in year	2010
The average annual number of faults forecast for the 5 Forecast Years	8.53	average over years	2010-2014

Fault Information per 100 circuit kilometres by Voltage and Type

	6.6kV & 11kV non-SW						22kV non-SW		SW		33kV		50kV & 66kV		>66kV	
	Yes	No	No	No	No	No	Yes	No	No	No	Yes	No	No	No		
Is this voltage part of the EDB system?																
Current Financial Year	9.66	-	-	-	-	-	1.86	-	-	-	3.34	-	-	-	-	-
Forecast Year	9.29	-	-	-	-	-	3.34	-	-	-	3.34	-	-	-	-	-
Average annual for 5 Forecast Years	9.29	-	-	-	-	-	3.34	-	-	-	3.34	-	-	-	-	-

Fault Information per 100 circuit kilometres by Voltage and Type

	6.6kV & 11kV non-SW		22kV non-SW		SW		33kV		50kV & 66kV		>66kV	
	Underground	Overhead	Underground	Overhead	Underground	Overhead	Underground	Overhead	Underground	Overhead	Underground	Overhead
Underground	6.06	-	-	-	-	-	-	-	-	-	-	-
Overhead	9.90	-	-	-	-	-	-	-	1.86	-	-	-

Reliability

Overall reliability

Based on the total number of interruptions	SAIDI	SAIFI	CAIDI
	217.00	2.91	74.65

Reliability by interruption class

Class B	SAIDI	SAIFI	CAIDI
	56.28	0.42	133.53
Class C	SAIDI	SAIFI	CAIDI
	158.97	2.46	64.49

Targets for Forecast Year

Class B	SAIDI	SAIFI	CAIDI
	30.00	0.30	100.00
Class C	SAIDI	SAIFI	CAIDI
	237.00	3.80	62.30

Average targets for 5 Forecast Years

Class B	SAIDI	SAIFI	CAIDI
	30.00	0.30	100.00
Class C	SAIDI	SAIFI	CAIDI
	237.00	3.80	62.30

PRICES

Price information by Connection Point Class

	Connection Point Class				Total
	Small Connection Points	Medium Connection Points	Large Connection Points	Largest 5 Connection Points	
Gross line charge income (\$000)	16,715	1,662	1,637	1,199	21,213
Electricity Supplied to Customers' Connection Points (MWh)	135,551	23,088	34,117	35,488	228,244
Number of Connection Points (ICPs) at year end	20,087	284	81	5	20,457
Unit Price (cents/kWh)	12.3	7.2	4.8	3.4	9.3
Relative Unit Price Index	1.00	0.58	0.39	0.27	0.75

REPORT MP3: PRICE AND QUALITY (cont)

Notes to Price and Quality Measures

89	MP3a: Connection Point Class breakpoints	
90		
91	Connection Point Class breakpoints methodology	kVA based breakpoints
92		
93	kVA based breakpoints - additional disclosure	
94	Breakpoint between small and medium classes	25 kVA
95	Breakpoint between large and medium classes	69 kVA
96		

14. MP3 - Price and Quality Measures – Wairoa

REPORT MP3: PRICE & QUALITY MEASURES

(Separate report required for each Non-contiguous Network)

Electricity Distribution Business: **Eastland Network**
For Year Ended: **2009**

Network Name: **Eastland Network Ltd - Wairoa**
Disclosure: **Annual Disclosure - Requirement 6(1)**

QUALITY

Interruptions

Interruptions by class

Class A	1	planned interruptions by Transpower:
Class B	20	planned interruptions on the network
Class C	54	unplanned interruptions on the network
Class D	-	unplanned interruptions by Transpower
Class E	-	unplanned interruptions of network owned generation
Class F	-	unplanned interruptions of generation (non-network)
Class G	-	unplanned interruptions caused by other electricity industry participant
Class H	-	planned interruptions caused by other electricity industry participant
Total	75	Total of above

Interruption targets for Forecast Year

	2010	Current Financial Year +1
Class B	41	planned interruptions on the network
Class C	319	unplanned interruptions on the network

Average interruption targets for 5 Forecast Years

	2010-2014	Current Financial Year +1 to +5
Class B	25	planned interruptions on the network
Class C	80	unplanned interruptions on the network

Class C interruptions restored within

	≤3Hrs	>3hrs
	35	19

Faults

Faults per 100 circuit kilometres

The total number of faults for Current Financial Year	7.00	in year	2009
The total number of faults forecast for the Forecast Year	9.72	in year	2010
The average annual number of faults forecast for the 5 Forecast Years	9.72	average over years	2010-2014

Fault Information per 100 circuit kilometres by Voltage and Type

	6.6kV & 11kV non-SWER		22kV non-SWER		33kV	50kV & 66kV	>66kV
	Yes	No	Yes	No	Yes	No	No
Is this voltage part of the EDB system?							
Current Financial Year	7.66	-	-	-	-	-	-
Forecast Year	10.07	-	0.01	-	2.91	3.09	-
Average annual for 5 Forecast Years	10.07	-	0.01	-	2.91	3.09	-

Fault Information per 100 circuit kilometres by Voltage and Type

	6.6kV & 11kV non-SWER	22kV non-SWER	33kV	50kV & 66kV	>66kV
Underground	4.99	-	-	-	-
Overhead	7.06	-	-	-	-

Reliability

Overall reliability

Based on the total number of interruptions	SAIDI	SAIFI	CAIDI
	382.25	5.60	68.31

Reliability by interruption class

	SAIDI	SAIFI	CAIDI
Class B	40.53	0.18	219.47
Class C	319.30	5.33	59.96

Targets for Forecast Year

	SAIDI	SAIFI	CAIDI
Class B	60.00	0.50	120.00
Class C	400.00	4.60	86.90

Average targets for 5 Forecast Years

	SAIDI	SAIFI	CAIDI
Class B	60.00	0.50	120.00
Class C	400.00	4.60	86.90

PRICES

Price information by Connection Point Class

	Connection Point Class				Total
	Small Connection Points	Medium Connection Points	Large Connection Points	Largest 5 Connection Points	
Gross line charge income (\$000)	3,935	275	207	614	5,031
Electricity Supplied to Customers' Connection Points (MWh)	28,841	3,228	4,111	16,314	52,494
Number of Connection Points (ICPs) at year end	4,795	31	12	5	4,843
Unit Price (cents/kWh)	13.6	8.5	5.0	3.8	9.6
Relative Unit Price Index	1.00	0.62	0.37	0.28	0.70

from MP1 WRA

REPORT MP3: PRICE AND QUALITY (cont)

Notes to Price and Quality Measures

89	MP3a: Connection Point Class breakpoints	
90		
91	Connection Point Class breakpoints methodology	kVA based breakpoints
92		
93	kVA based breakpoints - additional disclosure	
94	Breakpoint between small and medium classes	25 kVA
95	Breakpoint between large and medium classes	69 kVA
96		

15. AM1- Expenditure Forecasts and Reconciliation

REPORT AM1: EXPENDITURE FORECASTS AND RECONCILIATION

ref		Electricity Distribution Business:		Eastland Network				
5				For Year Ended 2009				
6	A) Five year forecasts of expenditure			(\$000)				
7	<i>From most recent Asset Management Plan</i>			Forecast Years				
8		Actual for Current Financial Year	year 1	year 2	year 3	year 4	year 5	
9		for year ended	2009	2010	2011	2012	2013	2014
10	Capital Expenditure: Customer Connection	-	100	100	100	100	100	from FS2
11	Capital Expenditure: System Growth	-	1,098	1,278	1,078	978	1,213	from FS2
12	Capital Expenditure: Reliability, Safety and Environment	-	110	160	100	155	90	from FS2
13	Capital Expenditure: Asset Replacement and Renewal	-	4,149	4,202	5,042	4,172	4,282	from FS2
14	Capital Expenditure: Asset Relocations	-	50	50	50	50	50	from FS2
15	Subtotal - Capital Expenditure on asset management	3,683	5,507	5,790	6,370	5,455	5,735	
16								
17	Operational Expenditure: Routine and Preventative Maintenance	-	1,032	1,032	1,032	1,032	1,032	from FS1
18	Operational Expenditure: Refurbishment and Renewal Maintenance	-	243	243	243	243	243	from FS1
19	Operational Expenditure: Fault and Emergency Maintenance	-	928	928	928	928	928	from FS1
20	Subtotal - Operational Expenditure on asset management	1,910	2,203	2,203	2,203	2,203	2,203	
21								
22	Total direct expenditure on distribution network	5,593	7,710	7,993	8,573	7,658	7,938	
23								
24	Overhead to Underground Conversion Expenditure							
26	<i>The Electricity Distribution Business is to provide the amount of Overhead to Underground Conversion Expenditure included in each of the above Expenditure Categories (explanatory notes can be provided in a separate note if necessary).</i>							
27								
28								
30								
32	B) Variance between Previous Forecast for the Current Financial Year, and Actual Expenditure							
33		Actual for Current Financial Year	Previous forecast for Current Financial Year	% Variance (a)/(b)-1				
34	Capital Expenditure: Customer Connection	-		Not defined				from row 10
35	Capital Expenditure: System Growth	-		Not defined				from row 11
36	Capital Expenditure: Asset Replacement and Renewal	-		Not defined				from row 12
37	Capital Expenditure: Reliability, Safety and Environment	-		Not defined				from row 13
38	Capital Expenditure: Asset Relocations	-		Not defined				from row 14
39	Subtotal - Capital Expenditure on asset management			Not defined				
40								
41	Operational Expenditure: Routine and Preventative Maintenance	-		Not defined				from row 17
42	Operational Expenditure: Refurbishment and Renewal Maintenance	-		Not defined				from row 18
43	Operational Expenditure: Fault and Emergency Maintenance	-		Not defined				from row 19
44	Subtotal - Operational Expenditure on asset management			Not defined				
45								
46	Total direct expenditure on distribution network	-	-	Not defined				
47								
48								
49	Explanation of variances							
50	<i>Distribution Business must provide a brief explanation for any line item variance of more than 10%</i>							
51								
52	<i>Explanatory notes (can be provided in a separate note if necessary):</i>							
53								
54								
55								
56								
57								
58								
59								
60								
61								
62								
63								

IV. Transitional Provisions

Requirement Part 4 14(7)

	2009	2008	2007	2006
Direct line costs per kilometer	804	665	799	647
Direct expenditure	2,947,612	2,431,553	2,913,212	2,372,204
System length (km)	3,665	3,654	3,647	3,667
Indirect line costs per consumer	125	98	87	77
Indirect expenditure	3,169,596	2,475,527	2,182,406	1,922,798
Total consumers	25,300	25,196	24,962	24,864

V. Assumptions and Explanatory Notes

Report/ Reference	Data Source	File name/ file location	Query name	Query rules/ Assumptions	Adjustments	Notes	Data location
MP1 (Murray Carman, Ben Gisbon)							
ref. 10-32	GIS	ENLPVAMPQUERIES.mdb	STATS CONDUCTORS SUMMARY CH URBAN RURAL REMOTE RUGGED	* subclass not out and not deinstalled	* to reconcile November GIS data with line length at 1 April 2009 2kms of underground 11kV Gisborne urban normal, 10km underground 400Volt Gisborne urban normal were removed. 2.8km overhead LV lines Gisborne urban roadside and 350m overhead 11 kV Gisborne rural added (note: should not be material)	includes all SPANS for Gisborne and Wairoa (including private lines)	Query results copied to disc line length.xls spreadsheet. Spreadsheet has look up calculation to data
				* conduct_code not like (bus) substation busbar			
			alternative QUERY: STATS CONDUCTOR SUMMARY CH URBAN RURAL REMOTE RUGGED ENL with same rules but ENL only			small variations in subtransmission voltages from April were due to busbar conductor being counted in April	
ref. 23-30						rule for putting classifying conductor into urban and rural from GIS are attached	
ref. 34-39	GIS	ENLPVAMPQUERIES.mdb	STATS TRANSFORMERS or STATSTRANSFORMERS zone subs (includes all installed transformers)		to correct from December until April data groundstyle transformers reduced by 28KV or 4895KVA	voltage regulators, step-up transformers and spare single phased units are not included as they do not seem to be included in the rules	data copied to disc line length 1Apr09.xlsx
ref. 36	GIS					non EDB captured from items recorded in GIS	
ref. 41-46	GIS, 2004 ODV		macro command: Gis summary/ Filter: Cable11kv ODV (Table) with feeder code <20 , which means it identifies everything that is Gisborne	After identifying all assets according to ODV category, Wairoa assets can be found by assuming All-Gisborne=Wairoa		All data is from the GIS (Microsoft Access database)- ENL ODV engine. Tables used in access were "Z Summary" (shows entire network in ODV category) and "Z GIS Summary" (shows all Gisborne assets in ODV category)	Z:\Network\Information Disclosure\2009 Disclosure\Report MP --> ODV Category for age 2004
ref. 53-68	half hour load data	Z:\systems\scadaddscadload.mdb	Loads TP data X with Generators by sorting each column maximum				values (totals transferred) are copied to maximum demand 09.xlsx
ref. 53						equals System total	
ref. 54						equals maximum of Waihi X/ Gen1 to 6	
ref. 56						zero net transfers	
ref. 58						zero	
ref. 61						Diesel Gen 1 to 6	
ref. 62						Waihi only	
ref. 63						zero	
ref. 65						AMP reference load control capability	
ref. 67						AMP reference	
		drawing A1/ 992 Sheet 3			remote defined as anything further away than 75km from Carnavon Street depot	for the definition of Gisborne Wairoa boundary see drawing A1/ 992 Sheet 3	
		drawing A1/ 992 Sheet 1 and 2 respectively			rugged defined as lines with a SPAN length greater than 130m	urban boundaries and for Gisborne and Wairoa see drawing A1/ 992 Sheet 1 and 2 respectively	
MP 3 (Murray Carman and Bruce Easton)							
all	Z:\systems\mthrep.mdb	auto transfers to mthrep.xls reference esa stats sheets				* customer number for esa stats sheets via Bruce Easton * line lengths are updated from the GIS data excluding private	

Report/Reference	Data Source	File name/ file location	Query name	Query rules/ Assumptions	Adjustments	Notes	Data location
						* average and forecast values via AMP	
ref. 54-68		ENL ALL AM Reports v001				Total of all reliability numbers do not equal the sum of GIS and WRA due to the calculation of SAIDI, SAIFI and CAIDI (ratio calculation)	
ref 70-81	Gentrack	Z:\Network\Information Disclosure\2009 Disclosure\ReportMP\	period selected: 01/04/08 - 31/03/2009		* customer groups were banded according to rules for Wairoa and Gisborne	*all data is extracted from Gentrack which creates a CSV file. From there three XLS files and pivot tables are created accordingly	
		Kwhs GIS0501 1.4.08 to 31.3.09.xlsx					
		Kwhs Master 1.4.08 to 31.3.09.xlsx				* largest customer group (total business) consists of 4 from Gisborne and 1 from Wairoa	
		Kwhs WRA0111 1.4.08 to 31.3.09.xlsx					
ref 78						* ICP number at the year does not reflect the amount of ICPs that have come on and off within the year. However, they do affect the Gross line charge income (ref 76)	
AV - all (Lindsay Guild)							
				disposals: unless they have an replacement date, the disposal date is assumed to be mid year			
				depreciation= (PYR closing balance+TYR uplift) / remaining life	if the remaining life equals "3", no depreciation calculation		
				additions: if the depreciation start date is 1 April - recognised additions in prior year as installed earlier but not loaded in Dbit until after year end			
AV 1 (Lindsay Guild)							
all	Financial Register				* base data from 2004 ODV and respective ODV schedules as of 1 April 2004	* accounting depreciation from 2005 (matches actual 2008 requirements)	
						* depreciation rate is calculated using residual life of assets	
ref. 15 -16						* valued at ODV 2004 p.266 and p.269	
AV 2 (Lindsay Guild)							
ref 13	numbers from ODV 2004						
AV 3 (Lindsay Guild)							
all	Financial Register				* 2004 ODV values for Replacement cost are indexed up		
FS 1 (Lindsay Guild)							
ref. 8-45	General Ledger as of 31 March 2009					* ACAM used to identify all ENL staff	
AM1							
	Asset Management Plan for FY09/10						
Transitional provisions Part 4 14(8)							
	Information Disclosure 2007/08					*numbers according to old and new definition of System lengths are equal because private lines have not been included in the past as well	



AUDITOR'S INDEPENDENT ASSURANCE REPORT

To the Board of Directors of Eastland Network Limited

REPORT ON EASTLAND NETWORK LIMITED'S COMPLIANCE WITH THE ELECTRICITY DISTRIBUTION (INFORMATION DISCLOSURE) REQUIREMENTS 2008 FOR THE FINANCIAL YEAR ENDED 31 MARCH 2009

The Auditor-General is the auditor of Eastland Network Limited (the company). The Auditor-General has appointed me, Graham Naylor, using the staff and resources of Deloitte, to provide an opinion on the compliance of the attached reports on pages 4 to 27 prepared by the company with the Commerce Commission's Electricity Distribution (Information Disclosure) Requirements 2008 (the Requirements) for the financial year ended 31 March 2009. In this independent assurance report the attached reports are called the 'disclosure information'.

Respective Responsibilities

The Board of Directors is responsible for preparing disclosure information which complies with the Requirements.

Clause 10 of the Requirements requires the Auditor-General to provide an opinion that the disclosure information prepared by the company complies with and is presented in all material respects in accordance with the Requirements for the financial year ended 31 March 2009.

Limitations and Use of this Independent Assurance Report

This independent assurance report has been prepared solely to discharge the Auditor-General's responsibilities under the Requirements for the financial year ended 31 March 2009. This independent assurance report is not intended to be used for any purposes, other than that for which it was prepared.

Material misstatements, whether caused by fraud or error, are differences or omissions of amounts and disclosures that would affect a user's overall understanding of the disclosure information prepared by the company.

Because of the inherent limitations in evidence gathering procedures, it is possible that fraud, error or non-compliance may occur and not be detected. As the procedures performed for this engagement are not performed continuously throughout the financial year and the procedures performed in respect of the company's compliance with the Requirements are undertaken on a test basis, our engagement cannot be relied on to detect all instances where the company may not have complied with the Requirements. Our opinion has been formed on the above basis.

Basis of Opinion

The company's financial statements and Threshold Compliance Statements prepared pursuant to the Commerce Act (Electricity Lines Thresholds) Notice 2004 for the year ended 31 March 2009 have been subject to audit. The audit opinions on the financial statements and Threshold Compliance Statements of the company for the year ended 31 March 2009 were unqualified and were dated 29th July 2009.

Our work has been planned and performed to obtain all the information and explanations we considered necessary in order to obtain reasonable assurance that the disclosure information complies with and has been presented in all material respects in accordance with the Requirements. We also included an assessment of the significant estimates and judgements, if any, made by the company in the preparation of the disclosure information.

Historical Financial and Non-Financial Information

We conducted the engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000: *Assurance Engagements Other than Audits or Reviews of Historical Financial Information* issued by the New Zealand Institute of Chartered Accountants.

Our work in respect of amounts and disclosures that were audited under the financial statement and Threshold Compliance Statement audits has been limited to agreeing the amounts and disclosures to the underlying records and audited financial statements or Threshold Compliance Statements of the company.

Our work in respect of amounts and disclosures that were not audited under the financial statement and Threshold Compliance Statement audits, has been planned and performed to obtain all the information and explanations we considered necessary in order to obtain reasonable assurance that the disclosure information has been presented in all material respects in accordance with the Requirements.

Prospective Financial and Non-Financial Information

We conducted the engagement in accordance with the International Standard on Assurance Engagements 3400: *The Examination of Prospective Financial Information* (ISAE 3400). Where relevant, we have applied the principles of ISAE 3400 to the disclosure of prospective non-financial information.

Our work has been limited to assessing whether the information has been presented on a basis consistent with the regulatory accounting or technical measurement requirements used for disclosures for the financial year ended 31 March 2009 and the immediately preceding financial year, and that the information has been calculated based on source data provided by the company, whilst acknowledging it is likely that actual results will vary from those forecasted, since anticipated events frequently do not occur as expected (and those variations may be significant). We have not performed audit procedures on the source data.

Independence

When carrying out the engagement we followed the independence requirements of the Auditor-General, which incorporate the independence requirements of the New Zealand Institute of Chartered Accountants. We also complied with the Independent auditor provisions on independence, as specified in clause 2(1) of the Requirements.

Other than the engagement and the annual audit of the company's financial statements and Threshold Compliance Statements carried out on behalf of the Auditor-General, we have no relationship with or interests in the company.

Unqualified Opinions

We have obtained all the information and explanations we have required.

In our opinion:

- The company has kept proper records to enable the complete and accurate compilation of required information, in all material respects, as far as appears from our examination of those records; and
- The disclosure information prepared by the company for the financial year ended 31 March 2009 complies with the Requirements.

Historical Financial and Non-Financial Information

In our opinion, the company has:

- presented the historical financial information included in reports FS1, FS2, FS3, AV1, AV2, AV3, AV4, MP2, MP3 and AM1 for the financial year ended 31 March 2009 that complies with the Requirements, in all material respects; and
- compiled the historical non-financial information included in reports MP1, MP2 and MP3 in accordance with the guidance (if any) issued pursuant to the Requirements, and has calculated the historical non-financial information based on unaudited source data provided by the company.

Prospective Financial and Non-Financial Information

In our opinion, the company has presented the information in reports AM1 and MP3 on a basis consistent with the regulatory accounting or technical measurement requirements used for disclosures for the financial year ended 31 March 2009 and the immediately preceding financial year, and has calculated the prospective financial and non-financial information based on unaudited source data provided by the company.



Graham Naylor

Deloitte

On behalf of the Auditor-General

29 July 2009

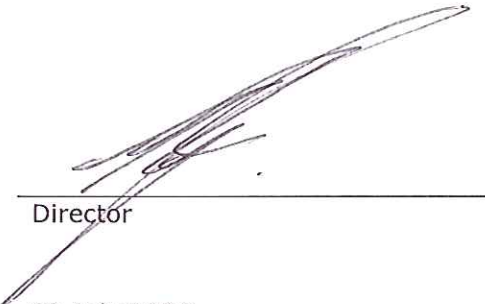
This independent assurance report relates to the Information Disclosure report of Eastland Network Limited's Electricity Lines Business for the year ended 31 March 2009 included on Eastland Network Limited's website. The Board of Directors are responsible for the maintenance and integrity of Eastland Network Limited's website. We have not been engaged to report on the integrity of Eastland Network Limited's website. We accept no responsibility for any changes that may have occurred to the Information Disclosure report since they were initially presented on the website. The independent assurance report refers only to the Information Disclosure report named above. It does not provide an opinion on any other information which may have been hyperlinked to/from this Information Disclosure report. If readers of this report are concerned with the inherent risks arising from electronic data communication they should refer to the published hard copy of the Information Disclosure report and related independent assurance report dated 29 July 2009 to confirm the information included in the Information Disclosure report presented on this website. Legislation in New Zealand governing the preparation and dissemination of Information Disclosure reports may differ from legislation in other jurisdictions.

VII. Director's Certificates

17. Certificate for Disclosed Information

We, Trevor William Taylor and Roger Neil Taylor, directors of Eastland Network Limited certify that, having made all reasonable enquiry, to the best of our knowledge, the following attached audited information of Eastland Network Limited prepared for the purposes of requirement 3, 4, 6 and 7(5) of the Commerce Commission's Electricity Distribution (Information Disclosure) Requirements 2008 complies with those Requirements -

- (i) Report FS1: Regulatory Profit Report;
- (ii) Report FS2: Regulatory Asset and Financing Report;
- (iii) Report FS3: Regulatory Tax Allowance Report;
- (iv) Report AV1: Annual Regulatory Valuation Roll-Forward Report;
- (v) Report AV2: Valuation Disclosure by Asset Class (for System Fixed Assets);
- (vi) Report AV3: System Fixed Assets Replacement Cost Roll-Forward Report;
- (vii) Report AV4: Merger or Acquisition Regulatory Asset Base Disclosure;
- (viii) Report MP1: Network Information Report;
- (ix) Report MP2: Performance Measures Report;
- (x) Report MP3: Price and Quality Report; and
- (xi) Report AM1: Expenditure Forecasts and Reconciliation.



Director

29 July 2009

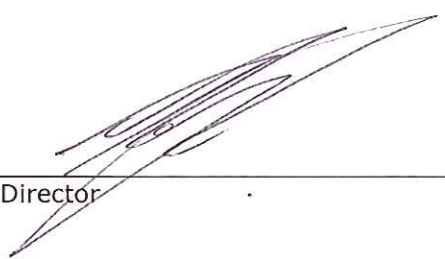


Director

18. Certificate for Valuation Report

We, Trevor William Taylor and Roger Neil Taylor, directors of Eastland Network Limited certify that, having made all reasonable enquiry, to the best of our knowledge—

- a) the attached valuation report of Eastland Network Limited prepared for the purposes of requirement 14(3) of the Commerce Commission's Electricity Distribution (Information Disclosure) Requirements 2008 complies with those Requirements; and
- b) the replacement cost of the line business system fixed assets of Eastland Network Limited is \$187,619,000; and
- c) the depreciated replacement cost of the line business system fixed assets of Eastland Network Limited is \$87,482,000 and
- d) the optimised depreciated replacement cost of the line business system fixed assets of Eastland Network Limited is \$86,184,000 and
- e) the optimised deprival valuation of the line business system fixed assets of Eastland Network Limited is \$186,184,000; and
- f) the values in paragraphs (b) through to (e) have been prepared in accordance with the ODV Handbook (as defined in the Electricity Information Disclosure Requirements 2004). These valuations are as at 31 March 2004.



Director

29 July 2009



Director