EDB Information Disclosure Requirements

Information Templates

for

Schedules 1–10

Company Name	Eastland Network Limited
Disclosure Date	31 August 2016
Disclosure Year (year ended)	31 March 2016

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 24 March 2015

Table of Contents

Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Electricity Distribution Information Disclosure Determination 2012.

Company Name and Dates

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8, the date of the last day of the current (disclosure) year should be entered in cell C12, and the date on which the information is disclosed should be entered in cell C10 of the CoverSheet worksheet.
The cell C12 entry (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).
The cell C8 entry (company name) is used in the template title blocks.
Dates should be entered in day/month/year order (Example -"1 April 2013").

Data Entry Cells and Calculated Cells

Data entered into this workbook may be entered only into the data entry cells. Data entry cells are the bordered, unshaded areas (white cells) in each template. Under no circumstances should data be entered into the workbook outside a data entry cell.
In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell.

Validation Settings on Data Entry Cells

To maintain a consistency of format and to help guard against errors in data entry, some data entry cells test keyboard entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names, to values between 0% and 100%, or either a numeric entry or the text entry "N/A". Where this occurs, a validation message will appear when data is being entered. These checks are applied to keyboard entries only and not, for example, to entries made using Excel's copy and paste facility.

Conditional Formatting Settings on Data Entry Cells

Schedule 2 cells G79 and I79:L79 will change colour if the total cashflows do not equal the corresponding values in table 2(ii).
Schedule 4 cells P99:P105 and P107 will change colour if the RAB values do not equal the corresponding values in table 4(ii).
Schedule 9b columns AA to AE (2013 to 2017) contain conditional formatting. The data entry cells for future years are hidden (are changed from white to yellow).
Schedule 9b cells AG10 to AG60 will change colour if the total assets at year end for each asset class does not equal the corresponding values in column I in Schedule 9a.
Schedule 9c cell G30 will change colour if G30 (overhead circuit length by terrain) does not equal G18 (overhead circuit length by operating voltage).

Inserting Additional Rows and Columns

The templates for schedules 4, 5b, 5c, 5d, 5e, 6a, 8, 9d, and 9e may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar. Column A schedule references should not be entered in additional rows, and should be deleted from additional rows that are created by copying and pasting rows that have schedule references.
Additional rows in schedules 5c, 6a, and 9e must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.
Schedules 5d and 5e may require new cost or asset category rows to be inserted in allocation change tables 5d(iii) and 5e(ii). Accordingly, cell protection has been removed from rows 77 and 78 of the respective templates to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) are: Select Excel rows 69:77, copy, select Excel row 78, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:78, copy, select Excel row 79, then insert copied cells.
The template for schedule 8 may require additional columns to be inserted between column P and U. To avoid interfering with the title block entries, these should be inserted to the left of column S. If inserting additional columns, the formulas for standard consumers total, non-standard consumers totals and total for all consumers will need to be copied into the cells of the added columns. The formulas can be found in the equivalent cells of the existing columns.

Disclosures by Sub-Network

If the supplier has sub-networks, schedules 8, 9a, 9b, 9c, 9e, and 10 must be completed for the network and for each sub-network. A copy of the schedule worksheet(s) must be made for each sub-network and named accordingly.

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 24 March 2015). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

Calculation cell formulas contain links to other cells within the same template or elsewhere in the workbook. Key cell references are described in a column to the right of each template. These descriptions are provided to assist data entry. Cell references refer to the row of the template and not the schedule reference.

Worksheet Completion Sequence

Calculation cells may show an incorrect value until precedent cell entries have been completed. Data entry may be assisted by completing the schedules in the following order:

1. Coversheet
2. Schedules 5a–5e
3. Schedules 6a–6b
4. Schedule 8
5. Schedule 3
6. Schedule 4
7. Schedule 2
8. Schedule 7
9. Schedules 9a–9e
10. Schedule 10

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs ($/GWh)	Expenditure per average no. of ICPs ($/ICP)	Expenditure per MW maximum coincident system demand ($/MW)	Expenditure per km circuit length ($/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers ($/MVA)
Operational expenditure	33,806	372	156,637	2,390	42,199
Network	17,245	190	79,906	1,219	21,527
Non-network	16,560	182	76,731	1,171	20,672
Expenditure on assets	22,493	247	104,222	1,591	28,078
Network	21,860	240	101,286	1,546	27,287
Non-network	634	7	2,935	45	791

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs ($/GWh)	Revenue per average no. of ICPs ($/ICP)
Total consumer line charge revenue	117,794	1,295
Standard consumer line charge revenue	117,794	1,295
Non-standard consumer line charge revenue	–	–

1(iii): Service intensity measures

Demand density	15	*Maximum coincident system demand per km of circuit length (for supply) (kW/km)*
Volume density	71	*Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)*
Connection point density	6	*Average number of ICPs per km of circuit length (for supply) (ICPs/km)*
Energy intensity	10,997	*Total energy delivered to ICPs per average number of ICPs (kWh/ICP)*

1(iv): Composition of regulatory income

	($000)	% of revenue
Operational expenditure	9,448	28.36%
Pass-through and recoverable costs excluding financial incentives and wash-ups	6,633	19.91%
Total depreciation	5,667	17.01%
Total revaluations	815	2.45%
Regulatory tax allowance	3,005	9.02%
Regulatory profit/(loss) including financial incentives and wash-ups	9,374	28.14%
Total regulatory income	33,311	

1(v): Reliability

Interruption rate	12.62	*Interruptions per 100 circuit km*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).
EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref		CY-2	CY-1	Current Year CY
7	**2(i): Return on Investment**			
8		31 Mar 14	31 Mar 15	31 Mar 16
9	**ROI – comparable to a post tax WACC**	%	%	%
10	Reflecting all revenue earned	5.55%	4.13%	6.34%
11	Excluding revenue earned from financial incentives	5.55%	4.13%	4.29%
12	Excluding revenue earned from financial incentives and wash-ups	5.55%	4.13%	4.29%
13				
14	**Mid-point estimate of post tax WACC**	5.43%	6.10%	5.37%
15	25th percentile estimate	4.71%	5.39%	4.66%
16	75th percentile estimate	6.14%	6.82%	6.09%
17				
18				
19	**ROI – comparable to a vanilla WACC**			
20	Reflecting all revenue earned	6.23%	4.92%	6.99%
21	Excluding revenue earned from financial incentives	6.23%	4.92%	4.94%
22	Excluding revenue earned from financial incentives and wash-ups	6.23%	4.92%	4.94%
23				
24	**WACC rate used to set regulatory price path**	8.77%	8.77%	7.19%
25				
26	**Mid-point estimate of vanilla WACC**	6.11%	6.89%	6.02%
27	25th percentile estimate	5.39%	6.17%	5.30%
28	75th percentile estimate	6.83%	7.60%	6.74%
29				

30	**2(ii): Information Supporting the ROI**		**($000)**	
31				
32	Total opening RAB value	139,164		
33	*plus* Opening deferred tax	(3,861)		
34	**Opening RIV**		135,303	
35				
36	**Line charge revenue**		32,922	
37				
38	Expenses cash outflow	16,081		
39	*add* Assets commissioned	6,363		
40	*less* Asset disposals	89		
41	*add* Tax payments	2,340		
42	*less* Other regulated income	389		
43	**Mid-year net cash outflows**		24,306	
44				
45	**Term credit spread differential allowance**		–	
46				
47	Total closing RAB value	140,586		
48	*less* Adjustment resulting from asset allocation	0		
49	*less* Lost and found assets adjustment	–		
50	*plus* Closing deferred tax	(4,525)		
51	**Closing RIV**		136,061	
52				
53	**ROI – comparable to a vanilla WACC**			6.99%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			5.26%
57	Corporate tax rate (%)			28%
58				
59	**ROI – comparable to a post tax WACC**			6.34%
60				

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).
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sch ref

2(iii): Information Supporting the Monthly ROI

Opening RIV — N/A

	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April						–
May						–
June						–
July						–
August						–
September						–
October						–
November						–
December						–
January						–
February						–
March						–
Total	–	–	–	–	–	–

Tax payments — N/A

Term credit spread differential allowance — N/A

Closing RIV — N/A

Monthly ROI – comparable to a vanilla WACC — N/A

Monthly ROI – comparable to a post tax WACC — N/A

2(iv): Year-End ROI Rates for Comparison Purposes

Year-end ROI – comparable to a vanilla WACC — 4.06%

Year-end ROI – comparable to a post tax WACC — 3.42%

** these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.*

2(v): Financial Incentives and Wash-Ups

Net recoverable costs allowed under incremental rolling incentive scheme	–	
Purchased assets – avoided transmission charge	3,746	
Energy efficiency and demand incentive allowance		
Quality incentive adjustment		
Other financial incentives		
Financial incentives		3,746

Impact of financial incentives on ROI — 2.05%

Input methodology claw-back		
Recoverable customised price-quality path costs		
Catastrophic event allowance		
Capex wash-up adjustment		
Transmission asset wash-up adjustment		
2013–2015 NPV wash-up allowance		
Reconsideration event allowance		
Other wash-ups		
Wash-up costs		–

Impact of wash-up costs on ROI — –

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref				
7	**3(i): Regulatory Profit**			**($000)**
8		**Income**		
9		Line charge revenue		32,922
10	*plus*	Gains / (losses) on asset disposals		(89)
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)		478
12				
13		**Total regulatory income**		33,311
14		**Expenses**		
15	*less*	Operational expenditure		9,448
16				
17	*less*	Pass-through and recoverable costs excluding financial incentives and wash-ups		6,633
18				
19		**Operating surplus / (deficit)**		17,230
20				
21	*less*	Total depreciation		5,667
22				
23	*plus*	Total revaluations		815
24				
25		**Regulatory profit / (loss) before tax**		12,378
26				
27	*less*	Term credit spread differential allowance		–
28				
29	*less*	Regulatory tax allowance		3,005
30				
31		**Regulatory profit/(loss) including financial incentives and wash-ups**		9,374
32				
33	**3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups**		**($000)**	
34		**Pass through costs**		
35		Rates	240	
36		Commerce Act levies	49	
37		Industry levies	62	
38		CPP specified pass through costs	–	
39		**Recoverable costs excluding financial incentives and wash-ups**		
40		Electricity lines service charge payable to Transpower	5,500	
41		Transpower new investment contract charges	109	
42		System operator services	–	
43		Distributed generation allowance	674	
44		Extended reserves allowance	–	
45		Other recoverable costs excluding financial incentives and wash-ups	–	
46		**Pass-through and recoverable costs excluding financial incentives and wash-ups**		6,633
47				

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).
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sch ref

3(iii): Incremental Rolling Incentive Scheme

($000)

		CY-1 31 Mar 15	CY 31 Mar 16
51	Allowed controllable opex	–	–
52	Actual controllable opex	–	–
53			
54	Incremental change in year		–
55			

			Previous years' incremental change	Previous years' incremental change adjusted for inflation
57	CY-5	31 Mar 11	–	–
58	CY-4	31 Mar 12	–	–
59	CY-3	31 Mar 13	–	–
60	CY-2	31 Mar 14	–	–
61	CY-1	31 Mar 15	–	–
62	**Net incremental rolling incentive scheme**			–
63				
64	**Net recoverable costs allowed under incremental rolling incentive scheme**			–

3(iv): Merger and Acquisition Expenditure

		($000)
66	Merger and acquisition expenditure	–
67		
68	*Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)*	

3(v): Other Disclosures

		($000)
71	Self-insurance allowance	–

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.
EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

4(i): Regulatory Asset Base Value (Rolled Forward)

		for year ended	RAB 31 Mar 12 ($000)	RAB 31 Mar 13 ($000)	RAB 31 Mar 14 ($000)	RAB 31 Mar 15 ($000)	RAB 31 Mar 16 ($000)
	Total opening RAB value		120,649	122,464	123,189	125,599	139,164
	less **Total depreciation**		4,934	4,893	5,090	5,148	5,667
	plus **Total revaluations**		1,887	1,049	1,882	105	815
	plus **Assets commissioned**		5,163	4,831	5,764	18,615	6,363
	less **Asset disposals**		301	263	146	8	89
	plus **Lost and found assets adjustment**		–	–	–	–	–
	plus **Adjustment resulting from asset allocation**		–	–	0	(0)	0
	Total closing RAB value		122,464	123,189	125,599	139,164	140,586

4(ii): Unallocated Regulatory Asset Base

		Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
	Total opening RAB value		139,164		139,164
	less **Total depreciation**		5,667		5,667
	plus **Total revaluations**		815		815
	plus Assets commissioned (other than below)	6,363		6,363	
	Assets acquired from a regulated supplier	–		–	
	Assets acquired from a related party	–		–	
	Assets commissioned		6,363		6,363
	less Asset disposals (other than below)	89		89	
	Asset disposals to a regulated supplier	–		–	
	Asset disposals to a related party	–		–	
	Asset disposals		89		89
	plus **Lost and found assets adjustment**		–		–
	plus **Adjustment resulting from asset allocation**				0
	Total closing RAB value		140,586		140,586

** The 'unallocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services without any allowance being made for the allocation of costs to services provided by the supplier that are not electricity distribution services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.
EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

4(iii): Calculation of Revaluation Rate and Revaluation of Assets

54	CPI_4	1,200
55	CPI_4^{-4}	1,193
56	Revaluation rate (%)	0.59%

		Unallocated RAB *		RAB	
		($000)	($000)	($000)	($000)
60	Total opening RAB value	139,164		139,164	
61	*less* Opening value of fully depreciated, disposed and lost assets	287		287	
63	Total opening RAB value subject to revaluation	138,877		138,877	
64	**Total revaluations**		815		815

4(iv): Roll Forward of Works Under Construction

		Unallocated works under construction		Allocated works under construction	
68	**Works under construction—preceding disclosure year**		340		340
69	*plus* Capital expenditure	6,287		6,287	
70	*less* Assets commissioned	6,363		6,363	
71	*plus* Adjustment resulting from asset allocation			–	
72	**Works under construction - current disclosure year**		264		264
74	Highest rate of capitalised finance applied				–

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

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EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

4(v): Regulatory Depreciation

		Unallocated RAB * ($000)	($000)	RAB ($000)	($000)
79	Depreciation - standard	5,667		5,667	
80	Depreciation - no standard life assets	–		–	
81	Depreciation - modified life assets	–		–	
82	Depreciation - alternative depreciation in accordance with CPP	–		–	
83	**Total depreciation**		5,667		5,667

4(vi): Disclosure of Changes to Depreciation Profiles

($000 unless otherwise specified)

	Asset or assets with changes to depreciation*	Reason for non-standard depreciation (text entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation
87					
88					
89					
90					
91					
92					
93					
94					

** include additional rows if needed*

4(vii): Disclosure by Asset Category

($000 unless otherwise specified)

		Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99	**Total opening RAB value**	14,602	1,412	20,616	49,639	23,800	15,422	7,285	3,731	2,657	139,164
100	*less* Total depreciation	756	28	953	1,784	769	645	312	259	159	5,667
101	*plus* Total revaluations	84	8	121	297	135	93	40	22	15	815
102	*plus* Assets commissioned	496	–	457	3,058	671	783	536	225	136	6,363
103	*less* Asset disposals	–	–	–	9	23	30	26	–	–	89
104	*plus* Lost and found assets adjustment	–	–	–	–	–	–	–	–	–	–
105	*plus* Adjustment resulting from asset allocation	–	–	–	–	–	–	–	–	–	–
106	*plus* Asset category transfers	(317)	0	15	1,021	(754)	484	(442)	(9)	2	0
107	**Total closing RAB value**	14,108	1,392	20,256	52,220	23,060	16,107	7,081	3,710	2,651	140,586
108											
109	**Asset Life**										
110	Weighted average remaining asset life	31	50	35	39	39	32	27	20	29	(years)
111	Weighted average expected total asset life	55	61	48	55	57	45	39	29	38	(years)

Company Name	**Eastland Network Limited**
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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref					
7	**5a(i): Regulatory Tax Allowance**				**($000)**
8		**Regulatory profit / (loss) before tax**			12,378
9					
10	*plus*	Income not included in regulatory profit / (loss) before tax but taxable	–	*	
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	3	*	
12		Amortisation of initial differences in asset values	1,873		
13		Amortisation of revaluations	344		
14					2,220
15					
16	*less*	Total revaluations	815		
17		Income included in regulatory profit / (loss) before tax but not taxable	–	*	
18		Discretionary discounts and customer rebates	–		
19		Expenditure or loss deductible but not in regulatory profit / (loss) before tax	–	*	
20		Notional deductible interest	3,052		
21					3,867
22					
23		**Regulatory taxable income**			10,731
24					
25	*less*	Utilised tax losses	–		
26		Regulatory net taxable income			10,731
27					
28		Corporate tax rate (%)	28.00%		
29		**Regulatory tax allowance**			3,005
30					
31	* Workings to be provided in Schedule 14				
32	**5a(ii): Disclosure of Permanent Differences**				
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).			
34	**5a(iii): Amortisation of Initial Difference in Asset Values**				**($000)**
35					
36		Opening unamortised initial differences in asset values	51,384		
37	*less*	Amortisation of initial differences in asset values	1,873		
38	*plus*	Adjustment for unamortised initial differences in assets acquired	–		
39	*less*	Adjustment for unamortised initial differences in assets disposed	–		
40		Closing unamortised initial differences in asset values			49,511
41					
42		Opening weighted average remaining useful life of relevant assets (years)			27
43					

Company Name	**Eastland Network Limited**
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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).
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sch ref					
44	**5a(iv): Amortisation of Revaluations**				**($000)**
45					
46		Opening sum of RAB values without revaluations		131,234	
47					
48		Adjusted depreciation		5,323	
49		Total depreciation		5,667	
50		Amortisation of revaluations			344
51					
52	**5a(v): Reconciliation of Tax Losses**				**($000)**
53					
54		**Opening tax losses**		–	
55	*plus*	Current period tax losses		–	
56	*less*	Utilised tax losses		–	
57		**Closing tax losses**			–
58	**5a(vi): Calculation of Deferred Tax Balance**				**($000)**
59					
60		**Opening deferred tax**		(3,861)	
61					
62	*plus*	Tax effect of adjusted depreciation		1,490	
63					
64	*less*	Tax effect of tax depreciation		1,654	
65					
66	*plus*	Tax effect of other temporary differences*		(1)	
67					
68	*less*	Tax effect of amortisation of initial differences in asset values		524	
69					
70	*plus*	Deferred tax balance relating to assets acquired in the disclosure year		–	
71					
72	*less*	Deferred tax balance relating to assets disposed in the disclosure year		(25)	
73					
74	*plus*	Deferred tax cost allocation adjustment		(0)	
75					
76		**Closing deferred tax**			(4,525)
77					
78	**5a(vii): Disclosure of Temporary Differences**				
79		*In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).*			
80					
81	**5a(viii): Regulatory Tax Asset Base Roll-Forward**				
82					**($000)**
83		**Opening sum of regulatory tax asset values**		82,507	
84	*less*	Tax depreciation		5,908	
85	*plus*	Regulatory tax asset value of assets commissioned		7,338	
86	*less*	Regulatory tax asset value of asset disposals		–	
87	*plus*	Lost and found assets adjustment		–	
88	*plus*	Adjustment resulting from asset allocation		–	
89	*plus*	Other adjustments to the RAB tax value		(17,032)	
90		**Closing sum of regulatory tax asset values**			66,904

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID determination.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5b(i): Summary—Related Party Transactions

	($000)
Total regulatory income	391
Operational expenditure	5,692
Capital expenditure	922
Market value of asset disposals	–
Other related party transactions	–

5b(ii): Entities Involved in Related Party Transactions

Name of related party	Related party relationship
Eastech Limited	A subsidiary of the Eastland Group Ltd who is the 100% shareholder of Eastland Network Ltd
Eastland Generation Limited	A subsidiary of the Eastland Group Ltd who is the 100% shareholder of Eastland Network Ltd
Eastland Investment Properties Limited	A subsidiary of the Eastland Group Ltd who is the 100% shareholder of Eastland Network Ltd
Eastland Group Limited	A subsidiary of the Eastland Group Ltd who is the 100% shareholder of Eastland Network Ltd
–	0

** include additional rows if needed*

5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction ($000)	Basis for determining value
Eastech Limited	Opex	Fault & Maintenance Services	1,196	ID clause 2.3.6(1)(c)(ii)
Eastech Limited	Capex	Electrical Contract Services that are capital in nature	922	ID clause 2.3.6(1)(c)(ii)
Eastech Limited	Sales	Miscellaneous Income	20	ID clause 2.3.7(2)(c)
Eastland Generation Limited	Sales	Maintenance Services	276	ID clause 2.3.7(2)(c)
Eastland Generation Limited	Sales	Connection Charges	95	ID clause 2.3.7(2)(a)
Eastland Generation Limited	Opex	Avoided Cost of Transmission	483	ID clause 2.3.6(1)(f)
Eastland Generation Limited	Opex	Avoided Cost of Distribution	1,689	ID clause 2.3.6(1)(f)
Eastland Investment Properties Limited	Opex	Rent	219	ID clause 2.3.6(1)(c)(i)
Eastland Group Limited	Opex	Management Fees/Shared Services	2,106	ID clause 2.3.6(1)(f)
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]

** include additional rows if needed*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5c(i): Qualifying Debt (may be Commission only)

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment
** include additional rows if needed*						–	–	–	–

5c(ii): Attribution of Term Credit Spread Differential

Gross term credit spread differential		–
Total book value of interest bearing debt		
Leverage	44%	
Average opening and closing RAB values		
Attribution Rate (%)		–
Term credit spread differential allowance		–

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5d(i): Operating Cost Allocations

		Value allocated ($000s)			
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000s)
Service interruptions and emergencies					
Directly attributable		1,002			
Not directly attributable				–	
Total attributable to regulated service		1,002			
Vegetation management					
Directly attributable		957			
Not directly attributable				–	
Total attributable to regulated service		957			
Routine and corrective maintenance and inspection					
Directly attributable		1,053			
Not directly attributable				–	
Total attributable to regulated service		1,053			
Asset replacement and renewal					
Directly attributable		1,808			
Not directly attributable				–	
Total attributable to regulated service		1,808			
System operations and network support					
Directly attributable		1,405			
Not directly attributable				–	
Total attributable to regulated service		1,405			
Business support					
Directly attributable		3,223			
Not directly attributable				–	
Total attributable to regulated service		3,223			
Operating costs directly attributable		9,448			
Operating costs not directly attributable	–	–	–	–	–
Operational expenditure		9,448			

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5d(ii): Other Cost Allocations

	($000)
Pass through and recoverable costs	
Pass through costs	
Directly attributable	350
Not directly attributable	
Total attributable to regulated service	350
Recoverable costs	
Directly attributable	6,282
Not directly attributable	
Total attributable to regulated service	6,282

5d(iii): Changes in Cost Allocations* †

Change in cost allocation 1

		($000) CY-1	($000) Current Year (CY)
Cost category	Original allocation		
Original allocator or line items	New allocation		
New allocator or line items	Difference	–	–

Rationale for change

Change in cost allocation 2

		($000) CY-1	($000) Current Year (CY)
Cost category	Original allocation		
Original allocator or line items	New allocation		
New allocator or line items	Difference	–	–

Rationale for change

Change in cost allocation 3

		($000) CY-1	($000) Current Year (CY)
Cost category	Original allocation		
Original allocator or line items	New allocation		
New allocator or line items	Difference	–	–

Rationale for change

** a change in cost allocation must be completed for each cost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.*

† include additional rows if needed

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4.
EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5e(i): Regulated Service Asset Values

	Value allocated ($000s) Electricity distribution services
Subtransmission lines	
Directly attributable	13,792
Not directly attributable	
Total attributable to regulated service	13,792
Subtransmission cables	
Directly attributable	1,392
Not directly attributable	
Total attributable to regulated service	1,392
Zone substations	
Directly attributable	20,272
Not directly attributable	
Total attributable to regulated service	20,272
Distribution and LV lines	
Directly attributable	53,241
Not directly attributable	
Total attributable to regulated service	53,241
Distribution and LV cables	
Directly attributable	22,305
Not directly attributable	
Total attributable to regulated service	22,305
Distribution substations and transformers	
Directly attributable	16,591
Not directly attributable	
Total attributable to regulated service	16,591
Distribution switchgear	
Directly attributable	6,639
Not directly attributable	
Total attributable to regulated service	6,639
Other network assets	
Directly attributable	3,701
Not directly attributable	
Total attributable to regulated service	3,701
Non-network assets	
Directly attributable	2,653
Not directly attributable	
Total attributable to regulated service	2,653
Regulated service asset value directly attributable	140,586
Regulated service asset value not directly attributable	–
Total closing RAB value	140,586

5e(ii): Changes in Asset Allocations* †

Change in asset value allocation 1

			($000) CY-1	Current Year (CY)
Asset category		Original allocation	–	
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

Change in asset value allocation 2

			($000) CY-1	Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

Change in asset value allocation 3

			($000) CY-1	Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

** a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or compone*
† include additional rows if needed

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.
EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

6a(i): Expenditure on Assets

			($000)	($000)
8		Consumer connection		118
9		System growth		333
10		Asset replacement and renewal		5,112
11		Asset relocations		7
12		Reliability, safety and environment:		
13		Quality of supply	24	
14		Legislative and regulatory	144	
15		Other reliability, safety and environment	371	
16		**Total reliability, safety and environment**		539
17		**Expenditure on network assets**		6,110
18		Expenditure on non-network assets		177
19				
20		**Expenditure on assets**		6,287
21	*plus*	Cost of financing		
22	*less*	Value of capital contributions		–
23	*plus*	Value of vested assets		–
24				
25		**Capital expenditure**		6,287

6a(ii): Subcomponents of Expenditure on Assets (where known)

			($000)
27		Energy efficiency and demand side management, reduction of energy losses	
28		Overhead to underground conversion	
29		Research and development	

6a(iii): Consumer Connection

		*Consumer types defined by EDB**	($000)	($000)
32		Domestic	29	
33		Non Domestic	–	
34		Non Domestic Large	–	
35		Non Domestic Industrial	89	
36		[EDB consumer type]		
37		* include additional rows if needed		
38		**Consumer connection expenditure**		118
39				
40	*less*	Capital contributions funding consumer connection expenditure	–	
41		**Consumer connection less capital contributions**		118

6a(iv): System Growth and Asset Replacement and Renewal

			System Growth ($000)	Asset Replacement and Renewal ($000)
45		Subtransmission	7	522
46		Zone substations	–	434
47		Distribution and LV lines	83	3,195
48		Distribution and LV cables	40	61
49		Distribution substations and transformers	204	411
50		Distribution switchgear	–	376
51		Other network assets	–	113
52		**System growth and asset replacement and renewal expenditure**	333	5,112
53	*less*	Capital contributions funding system growth and asset replacement and renewal	–	–
54		**System growth and asset replacement and renewal less capital contributions**	333	5,112
55				

6a(v): Asset Relocations

		*Project or programme**	($000)	($000)
58		Asset relocations (for Territorial authorities)	7	
59		[Description of material project or programme]		
60		[Description of material project or programme]		
61		[Description of material project or programme]		
62		[Description of material project or programme]		
63		* include additional rows if needed		
64		All other projects or programmes - asset relocations		
65		**Asset relocations expenditure**		7
66	*less*	Capital contributions funding asset relocations		
67		**Asset relocations less capital contributions**		7

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.
EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

6a(vi): Quality of Supply

	*Project or programme**	($000)	($000)
	SCADA Master Station Development	4	
	Building/Switchyard Security Upgrade (2013/14 Kaiti)	1	
	11kV Field Recloser Automation Plan - additions	19	
	[Description of material project or programme]		
	[Description of material project or programme]		
	** include additional rows if needed*		
	All other projects programmes - quality of supply		
	Quality of supply expenditure		24
less	Capital contributions funding quality of supply		
	Quality of supply less capital contributions		24

6a(vii): Legislative and Regulatory

	*Project or programme**	($000)	($000)
	Replace Vehicle RTs	144	
	[Description of material project or programme]		
	[Description of material project or programme]		
	[Description of material project or programme]		
	[Description of material project or programme]		
	** include additional rows if needed*		
	All other projects or programmes - legislative and regulatory		
	Legislative and regulatory expenditure		144
less	Capital contributions funding legislative and regulatory		
	Legislative and regulatory less capital contributions		144

6a(viii): Other Reliability, Safety and Environment

	*Project or programme**	($000)	($000)
	New Service Fuse Boxes to Replace Meter Box Sharing 50pa - Safety	19	
	Meter Bd install associated with Glv box removal 50pa. - Safety	37	
	CBD UG Project (Stg1 Childers, Grey Streets) - Environ	315	
	[Description of material project or programme]		
	[Description of material project or programme]		
	** include additional rows if needed*		
	All other projects or programmes - other reliability, safety and environment		
	Other reliability, safety and environment expenditure		371
less	Capital contributions funding other reliability, safety and environment		
	Other reliability, safety and environment less capital contributions		371

6a(ix): Non-Network Assets

Routine expenditure

	*Project or programme**	($000)	($000)
	General asset replacement	91	
	[Description of material project or programme]		
	[Description of material project or programme]		
	[Description of material project or programme]		
	[Description of material project or programme]		
	** include additional rows if needed*		
	All other projects or programmes - routine expenditure		
	Routine expenditure		91

Atypical expenditure

	*Project or programme**	($000)	($000)
	Transpower Project costs	86	
	[Description of material project or programme]		
	[Description of material project or programme]		
	[Description of material project or programme]		
	[Description of material project or programme]		
	** include additional rows if needed*		
	All other projects or programmes - atypical expenditure		
	Atypical expenditure		86
	Expenditure on non-network assets		177

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.
EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref		($000)	($000)
7	**6b(i): Operational Expenditure**		
8	Service interruptions and emergencies	1,002	
9	Vegetation management	957	
10	Routine and corrective maintenance and inspection	1,053	
11	Asset replacement and renewal	1,808	
12	**Network opex**		4,820
13	System operations and network support	1,405	
14	Business support	3,223	
15	**Non-network opex**		4,628
16			
17	**Operational expenditure**		9,448
18	**6b(ii): Subcomponents of Operational Expenditure (where known)**		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		157
23	** Direct billing expenditure by suppliers that directly bill the majority of their consumers*		

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.
EDBs must provide explanatory comment on the variance between actual and target revenue and forecast expenditure in Schedule 14 (Mandatory Explanatory Notes). This information is part of the audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures.

sch ref

		Target ($000) [1]	Actual ($000)	% variance
7	**7(i): Revenue**			
8	Line charge revenue	33,234	32,922	(1%)
		Forecast ($000) [2]	**Actual ($000)**	**% variance**
9	**7(ii): Expenditure on Assets**			
10	Consumer connection	162	118	(27%)
11	System growth	1,103	333	(70%)
12	Asset replacement and renewal	8,322	5,112	(39%)
13	Asset relocations	56	7	(87%)
14	Reliability, safety and environment:			
15	Quality of supply	156	24	(85%)
16	Legislative and regulatory	196	144	(27%)
17	Other reliability, safety and environment	453	371	(18%)
18	**Total reliability, safety and environment**	805	539	(33%)
19	**Expenditure on network assets**	10,449	6,110	(42%)
20	Expenditure on non-network assets	5,818	177	(97%)
21	Expenditure on assets	16,267	6,287	(61%)
22	**7(iii): Operational Expenditure**			
23	Service interruptions and emergencies	1,078	1,002	(7%)
24	Vegetation management	1,004	957	(5%)
25	Routine and corrective maintenance and inspection	1,722	1,053	(39%)
26	Asset replacement and renewal	2,058	1,808	(12%)
27	**Network opex**	5,862	4,820	(18%)
28	System operations and network support	1,304	1,405	8%
29	Business support	3,210	3,223	0%
30	**Non-network opex**	4,514	4,628	3%
31	**Operational expenditure**	10,376	9,448	(9%)
32	**7(iv): Subcomponents of Expenditure on Assets (where known)**			
33	Energy efficiency and demand side management, reduction of energy losses	–	–	–
34	Overhead to underground conversion	–	–	–
35	Research and development	–	–	–
36				
37	**7(v): Subcomponents of Operational Expenditure (where known)**			
38	Energy efficiency and demand side management, reduction of energy losses	–	–	–
39	Direct billing	–	–	–
40	Research and development	–	–	–
41	Insurance	100	157	56%
42				

43 *1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination*

44 *2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-Network Name	**Eastland Network Limited**

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	Billed quantities by price component							
Price component					Fixed	Variable Uncontrolled	Variable Controlled	Variable Night (Mass Market)	Variable Evening Peak (TOU)	Variable Morning Peak (TOU)	Variable Off Peak (TOU)	Variable Night (TOU)
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)					Days	kWh	kWh	kWh	kWh	kWh	kWh	kWh
PDH0030	Domestic	Standard	13667	83114.6	4,988,455	59,117,019	23,972,519	25,041	–	–	–	–
PDL0030	Domestic	Standard	5667	36221.7	2,068,455	26,877,590	9,301,777	42,373	–	–	–	–
PNH0003	Non-Domestic, High density	Standard	134	686.5	48,910	686,310	226	–	–	–	–	–
PNH0030	Non-Domestic, High density	Standard	1699	21904.1	620,135	20,804,655	1,043,044	56,354	–	–	–	–
PNH0100	Non-Domestic, High density	Standard	276	21572.9	100,740	20,972,326	378,459	222,077	–	–	–	–
PNH0300	Non-Domestic, High density	Standard	65	14405.7	23,725	14,372,762	32,971	–	–	–	–	–
PTH0300	Non-Domestic, High density	Standard	6	2141.9	2,190	–	–	–	390,696	543,886	701,835	505,505
PNH0500	Non-Domestic, High density	Standard	15	8359.6	5,475	–	–	–	1,267,452	2,139,892	2,829,202	2,123,049
PNH1000	Non-Domestic, High density	Standard	20	24760.1	7,300	–	–	–	4,119,458	5,875,143	7,731,589	7,033,948
PNH4500	Non-Domestic, High density	Standard	1	8282.5	365	–	–	–	1,342,435	1,879,005	2,545,164	2,515,878
PNH6500	Non-Domestic, High density	Standard	1	16299.3	365	–	–	–	2,566,162	4,122,681	5,021,790	4,588,701
PNL0003	Non-Domestic, Low density	Standard	119	281.2	43,435	281,226	–	–	–	–	–	–
PNL0030	Non-Domestic, Low density	Standard	3617	18469.8	1,320,205	16,880,553	1,560,801	28,456	–	–	–	–
PNL0100	Non-Domestic, Low density	Standard	97	4577.7	35,405	4,365,029	138,335	74,372	–	–	–	–
PNL0300	Non-Domestic, Low density	Standard	17	2357.3	6,205	2,357,322	–	–	–	–	–	–
PTL0300	Non-Domestic, Low density	Standard	1	104.7	365	–	–	–	839	50,614	51,293	1,946
PNL0500	Non-Domestic, Low density	Standard	3	1053	1,095	–	–	–	183,604	261,045	353,068	255,259
PNL1000	Non-Domestic, Low density	Standard	1	1020.6	365	–	–	–	176,885	262,733	349,557	231,386
PNL4500	Non-Domestic, Low density	Standard	1	13874.6	365	–	–	–	2,299,869	3,392,476	4,441,412	3,740,800
PNL6500	Non-Domestic, Low density	Standard	0	0	–	–	–	–	–	–	–	–
PNG0500	Generation	Standard	0	0	–	–	–	–	–	–	–	–
PNG1000	Generation (Gensets)	Standard	6	0	2,190	–	–	–	–	–	–	–
PNG4500	Generation	Standard	1	0	365	–	–	–	–	–	–	–
PNG6500	Generation (Waihi)	Standard	1	0	365	–	–	–	–	–	–	–
Power Factor Charges	All Customers (If Required)	Standard	0	0	–	–	–	–	–	–	–	–
Add extra rows for additional consumer groups or price category codes as necessary												
		Standard consumer totals	25,415	279,488	9,276,475	166,714,792	36,428,132	448,673	12,347,400	18,527,475	24,024,910	20,996,472
		Non-standard consumer totals	–	–	–	–	–	–	–	–	–	–
		Total for all consumers	25,415	279,488	9,276,475	166,714,792	36,428,132	448,673	12,347,400	18,527,475	24,024,910	20,996,472

Add extra columns for additional billed quantities by price component as necessary

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-Network Name	**Eastland Network Limited**

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

8(ii): Line Charge Revenues ($000) by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Line charge revenues ($000) by price component							
							Price component	Fixed Component Only	Variable Uncontrolled (Mass Market)	Variable Controlled (Mass Market)	Variable Night (Mass Market)	Variable Evening Peak (TOU)	Variable Morning Peak (TOU)	Variable Off Peak (TOU)	Variable Night (TOU)
							Rate (eg, $ per day, $ per kWh, etc.)	$ per day	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh
PDH0030	Domestic	Standard	$11,361	–	$8,523	$2,838		$785	$8,735	$1,840	$1	–	–	–	–
PDL0030	Domestic	Standard	$5,837	–	$4,365	$1,471		$339	$4,630	$867	$1	–	–	–	–
PNH0003	Non-Domestic, High density	Standard	$111	–	$76	$36		$19	$92	–	–	–	–	–	–
PNH0030	Non-Domestic, High density	Standard	$3,394	–	$2,361	$1,033		$1,308	$2,019	$66	$1	–	–	–	–
PNH0100	Non-Domestic, High density	Standard	$2,098	–	$1,440	$658		$695	$1,383	$16	$4	–	–	–	–
PNH0300	Non-Domestic, High density	Standard	$1,079	–	$739	$341		$306	$772	$1	–	–	–	–	–
PTH0300	Non-Domestic, High density	Standard	$127	–	$89	$39		$47	–	–	–	$19	$25	$26	$9
PNH0500	Non-Domestic, High density	Standard	$448	–	$311	$136		$139	$9	–	–	$63	$99	$98	$39
PNH1000	Non-Domestic, High density	Standard	$1,164	–	$806	$357		$276	–	–	–	$205	$271	$283	$129
PNH4500	Non-Domestic, High density	Standard	$328	–	$226	$102		$35	–	–	–	$67	$87	$93	$46
PNH6500	Non-Domestic, High density	Standard	$640	–	$441	$199		$52	–	–	–	$128	$191	$184	$84
PNL0003	Non-Domestic, Low density	Standard	$61	–	$42	$19		$17	$44	–	–	–	–	–	–
PNL0030	Non-Domestic, Low density	Standard	$4,649	–	$3,297	$1,353		$2,842	$1,704	$103	$1	–	–	–	–
PNL0100	Non-Domestic, Low density	Standard	$586	–	$404	$181		$243	$335	$7	$1	–	–	–	–
PNL0300	Non-Domestic, Low density	Standard	$224	–	$154	$70		$79	$145	–	–	–	–	–	–
PTL0300	Non-Domestic, Low density	Standard	$12	–	$9	$4		$8	–	–	–	–	$3	$2	–
PNL0500	Non-Domestic, Low density	Standard	$70	–	$49	$21		$29	–	–	–	$10	$13	$14	$5
PNL1000	Non-Domestic, Low density	Standard	$54	–	$37	$16		$14	–	–	–	$9	$13	$13	$5
PNL4500	Non-Domestic, Low density	Standard	$562	–	$387	$175		$35	–	–	–	$120	$165	$170	$72
PNL6500	Non-Domestic, Low density	Standard	–	–	–	–		–	–	–	–	–	–	–	–
PNG0500	Generation	Standard	–	–	–	–		–	–	–	–	–	–	–	–
PNG1000	Generation (Gensets)	Standard	$59	–	$59	–		$59	–	–	–	–	–	–	–
PNG4500	Generation	Standard	$24	–	$24	–		$24	–	–	–	–	–	–	–
PNG6500	Generation (Waihi)	Standard	$36	–	$36	–		$36	–	–	–	–	–	–	–
Power Factor Charges	All Customers (If Required)	Standard	–	–	–	–		–	–	–	–	–	–	–	–

Add extra columns for additional line charge revenues by price component as necessary

Add extra rows for additional consumer groups or price category codes as necessary

		Standard consumer totals	$32,922	–	$23,874	$9,049		$7,387	$19,867	$2,900	$8	$620	$867	$883	$390
		Non-standard consumer totals	–	–	–	–		–	–	–	–	–	–	–	–
		Total for all consumers	$32,922	–	$23,874	$9,049		$7,387	$19,867	$2,900	$8	$620	$867	$883	$390

8(iii): Number of ICPs directly billed

Check OK

Number of directly billed ICPs at year end	7

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - All**

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	15,224	15,077	(147)	1
10	All	Overhead Line	Wood poles	No.	19,118	18,781	(337)	1
11	All	Overhead Line	Other pole types	No.	-	-	–	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	336	336	(0)	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	307	307	(0)	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	(0)	1
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	–	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	–	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	–	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	–	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	–	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	–	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	–	4
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	–	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	15	26	11	1
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	14	3	(11)	1
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	–	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	46	46	–	1
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	–	4
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	4	4	–	1
29	HV	Zone substation switchgear	33kV RMU	No.	-	-	–	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	–	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	1	–	1
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	96	100	4	1
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	7	7	–	1
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	49	51	2	1
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,402	2,398	(4)	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	–	4
37	HV	Distribution Line	SWER conductor	km	1	1	0	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	29	29	(0)	1
39	HV	Distribution Cable	Distribution UG PILC	km	103	104	1	1
40	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	–	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	49	49	–	1
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	22	22	–	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	4,336	4,319	(17)	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	93	88	(5)	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	248	252	4	1
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,063	3,043	(20)	1
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	573	578	5	1
48	HV	Distribution Transformer	Voltage regulators	No.	9	9	–	1
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	–	4
50	LV	LV Line	LV OH Conductor	km	519	517	(2)	1
51	LV	LV Cable	LV UG Cable	km	257	261	4	1
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	21	21	(0)	1
53	LV	Connections	OH/UG consumer service connections	No.	31,630	31,523	(107)	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	195	200	5	1
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	709	745	36	1
56	All	Capacitor Banks	Capacitors including controls	No	1	1	–	3
57	All	Load Control	Centralised plant	Lot	8	8	–	1
58	All	Load Control	Relays	No	15,549	15,604	55	1
59	All	Civils	Cable Tunnels	km	-	-	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Gisborne**

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	12,469	12,442	(27)	1
10	All	Overhead Line	Wood poles	No.	14,643	14,342	(301)	1
11	All	Overhead Line	Other pole types	No.	–	–	–	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	269	269	(0)	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	180	180	–	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	–	1
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	4
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	14	14	–	1
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	8	3	(5)	1
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	44	44	–	1
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	4
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	1
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	1
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	86	86	–	1
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	5	5	–	1
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	32	32	–	1
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,719	1,717	(2)	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	4
37	HV	Distribution Line	SWER conductor	km	–	–	–	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	26	26	(1)	1
39	HV	Distribution Cable	Distribution UG PILC	km	87	88	1	1
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	22	22	–	1
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	22	22	–	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,008	2,993	(15)	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	75	70	(5)	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	211	212	1	1
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,102	2,092	(10)	1
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	455	458	3	1
48	HV	Distribution Transformer	Voltage regulators	No.	7	7	–	1
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	4
50	LV	LV Line	LV OH Conductor	km	384	382	(1)	1
51	LV	LV Cable	LV UG Cable	km	208	212	4	1
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	21	21	0	1
53	LV	Connections	OH/UG consumer service connections	No.	25,230	25,128	(102)	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	166	166	–	1
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	579	594	15	1
56	All	Capacitor Banks	Capacitors including controls	No	1	1	–	3
57	All	Load Control	Centralised plant	Lot	5	5	–	1
58	All	Load Control	Relays	No	15,396	15,436	40	1
59	All	Civils	Cable Tunnels	km	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Wairoa**

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	2,755	2,635	(120)	1
10	All	Overhead Line	Wood poles	No.	4,475	4,439	(36)	1
11	All	Overhead Line	Other pole types	No.	–	–	–	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	67	67	–	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	127	127	–	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	0	0	–	1
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	4
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	1	12	11	1
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	6	–	(6)	1
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	2	2	–	1
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	4
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	4	4	–	1
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	1	–	1
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	10	14	4	1
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	2	2	–	1
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	17	19	2	1
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	684	682	(2)	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	4
37	HV	Distribution Line	SWER conductor	km	1	1	(0)	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	3	3	0	1
39	HV	Distribution Cable	Distribution UG PILC	km	16	16	(0)	1
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	27	27	–	1
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1,328	1,326	(2)	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	18	18	–	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	37	40	3	1
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	961	951	(10)	1
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	118	120	2	1
48	HV	Distribution Transformer	Voltage regulators	No.	2	2	–	1
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	4
50	LV	LV Line	LV OH Conductor	km	135	135	(0)	1
51	LV	LV Cable	LV UG Cable	km	49	49	0	1
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1	1	–	1
53	LV	Connections	OH/UG consumer service connections	No.	6,400	6,395	(5)	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	29	34	5	1
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	130	151	21	1
56	All	Capacitor Banks	Capacitors including controls	No	–	–	–	4
57	All	Load Control	Centralised plant	Lot	3	3	–	1
58	All	Load Control	Relays	No	153	168	15	1
59	All	Civils	Cable Tunnels	km	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - All**

SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref																															
8		**Disclosure Year (year ended)**	31 March 2016																												
					Number of assets at disclosure year end by installation date																									**No. with age unknown**	**end of year (quantity)**	**No. with default dates**	**Data accuracy (1–4)**
9	**Voltage**	**Asset category**	**Asset class**	**Units**	**pre-1940**	**1940 –1949**	**1950 –1959**	**1960 –1969**	**1970 –1979**	**1980 –1989**	**1990 –1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**				
10	All	Overhead Line	Concrete poles / steel structure	No.	–	1	70	54	1,652	3,156	2,849	496	1,407	784	239	272	368	239	222	393	411	424	414	438	361	378	387	62	–	15,077	–	1
11	All	Overhead Line	Wood poles	No.	19	116	2,715	5,623	2,048	1,514	2,634	432	847	239	131	182	156	173	191	284	265	227	212	190	208	146	198	31	–	18,781	–	1
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	72	116	72	37	6	7	4	3	11	–	5	4	–	–	–	–	–	–	–	–	–	–	–	337	–	1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	–	17	87	61	111	30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	306	–	1
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	2	–	1
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	–	–	–	–	1	3	6	–	2	–	1	1	–	1	1	–	–	–	–	–	–	–	10	–	–	26	–	1
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	1	0	–	–	–	–	–	1	–	–	3	–	1
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	3	5	10	4	2	3	6	1	–	–	2	1	–	4	2	2	1	–	–	–	–	46	–	1
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	–	–	–	–	–	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4	–	1
30	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	1	–	1
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	1	–	–	29	9	9	5	18	6	4	–	7	–	–	–	–	–	–	12	–	–	–	–	100	–	1
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	5	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	7	–	1
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	–	10	9	1	8	5	10	2	–	2	–	–	–	4	–	–	–	–	–	–	–	–	–	–	51	–	1
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	65	86	532	892	351	204	173	11	7	11	4	8	9	6	9	3	1	4	3	2	4	2	8	–	–	2,395	–	1
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
38	HV	Distribution Line	SWER conductor	km	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	–	–	1	3	6	6	–	1	–	–	–	1	2	1	2	–	1	1	–	–	–	1	–	–	26	–	1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	1	9	13	27	25	2	5	4	2	1	2	2	3	2	2	1	1	–	1	–	–	–	–	103	–	1
41	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	–	–	–	1	5	9	18	12	1	–	1	–	1	–	–	1	–	–	–	–	–	–	–	–	–	49	–	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	7	–	–	–	–	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	22	–	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	236	858	738	439	467	55	121	140	135	120	85	114	95	86	113	109	105	65	74	92	71	–	1	4,319	–	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	–	3	8	22	8	19	8	9	1	–	5	4	–	–	1	–	–	–	–	–	–	–	88	–	1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	1	4	7	68	16	36	18	16	7	6	18	9	8	7	5	7	4	8	4	3	–	–	252	–	1
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	97	635	521	362	413	53	102	58	99	92	70	84	45	45	63	61	58	51	65	48	21	–	–	3,043	–	1
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	19	60	48	36	42	28	56	28	29	33	25	22	29	16	12	23	16	20	18	15	3	–	–	578	–	1
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	–	5	–	3	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	9	–	1
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
51	LV	LV Line	LV OH Conductor	km	7	33	114	167	70	54	51	2	7	4	1	2	–	–	1	1	–	–	–	–	–	1	1	–	–	516	–	1
52	LV	LV Cable	LV UG Cable	km	–	–	3	22	42	63	38	7	16	14	8	5	5	4	7	6	5	2	3	3	3	1	2	–	–	259	–	1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	1	1	2	6	6	–	2	1	1	–	–	–	1	–	–	–	–	–	–	–	–	–	–	21	–	1
54	LV	Connections	OH/UG consumer service connections	No.	–	71	1,693	6,673	5,629	6,411	5,513	413	693	758	757	541	385	418	388	390	256	107	115	95	119	98	–	–	–	31,523	–	1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	9	25	27	11	25	3	8	7	6	10	10	2	–	–	2	–	23	4	12	16	–	200	–	1
56	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	–	–	–	1	–	17	102	46	44	25	38	31	36	17	13	14	15	14	12	14	20	150	133	3	–	745	–	1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
58	All	Load Control	Centralised plant	Lot	–	–	–	–	5	2	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	8	–	1
59	All	Load Control	Relays	No	5	–	–	–	1	–	125	132	737	944	980	426	718	550	874	31	59	29	57	42	29	48	48	1	9,768	15,604	–	1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Gisborne**

SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

8 **Disclosure Year (year ended)** 31 March 2016

Number of assets at disclosure year end by installation date

9	Voltage	Asset category	Asset class	Units	pre-1940	1940 –1949	1950 –1959	1960 –1969	1970 –1979	1980 –1989	1990 –1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	No. with age unknown	end of year (quantity)	No. with default dates	Data accuracy (1–4)
10	All	Overhead Line	Concrete poles / steel structure	No.	–	1	22	40	1,424	2,288	2,666	349	1,031	575	155	194	300	187	192	336	360	411	404	430	332	356	341	48	–	12,442	–	1
11	All	Overhead Line	Wood poles	No.	1	34	1,692	4,957	1,542	1,135	2,024	131	594	175	88	121	102	100	129	267	173	216	191	164	166	129	181	30	–	14,342	–	1
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	72	116	37	5	6	7	4	3	11	–	5	4	0	0	–	–	–	–	0	–	0	–	–	269	–	1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	17	30	61	49	23	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	180	–	1
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	0	–	–	–	–	–	–	–	–	–	1	–	1
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	–	–	–	–	1	3	4	–	2	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–	–	14	–	1
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	1	0	–	–	–	–	–	1	–	–	3	–	1
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	3	5	10	2	2	3	6	1	–	–	2	1	–	4	2	2	1	–	–	–	–	44	–	1
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1
30	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	–	–	–	19	9	9	5	18	6	4	–	4	–	–	–	–	–	–	12	–	–	–	–	86	–	1
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5	–	1
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	–	8	7	1	2	5	2	2	–	2	–	–	–	3	–	–	–	–	–	–	–	–	–	–	32	–	1
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	–	6	322	708	307	141	168	11	5	8	2	2	6	4	3	2	1	4	3	2	3	1	6	–	1,717	–	1
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
38	HV	Distribution Line	SWER conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	–	0	0	3	6	4	0	1	0	0	0	1	2	1	2	0	1	1	0	0	0	1	0	–	26	–	1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	1	8	10	21	23	2	5	4	2	1	2	1	1	2	2	1	1	0	0	0	0	–	–	88	–	1
41	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	–	–	–	1	1	1	8	10	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	22	–	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	7	–	–	–	–	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	22	–	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	215	522	494	269	316	41	95	96	82	72	64	82	71	67	90	95	78	49	50	82	63	–	–	2,993	–	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	–	3	4	20	8	15	8	7	1	–	1	2	–	–	1	–	–	–	–	–	–	–	70	–	1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	1	3	1	61	16	29	17	11	6	6	13	6	8	6	5	7	3	6	4	3	–	–	212	–	1
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	87	359	357	243	289	41	83	40	62	54	51	64	39	35	57	49	44	39	44	40	15	–	–	2,092	–	1
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	19	41	40	24	33	24	51	25	22	26	16	16	20	14	11	20	16	14	11	12	3	–	–	458	–	1
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	–	4	–	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	7	–	1
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
51	LV	LV Line	LV OH Conductor	km	0	2	71	137	61	45	49	1	7	4	1	1	0	0	1	1	0	0	0	0	0	0	0	–	–	382	–	1
52	LV	LV Cable	LV UG Cable	km	–	–	1	18	31	46	31	7	16	14	7	4	4	3	5	5	5	2	3	3	3	1	2	0	–	212	–	1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	1	1	2	5	6	0	2	1	0	0	0	0	1	0	–	–	0	0	0	0	0	0	–	21	–	1
54	LV	Connections	OH/UG consumer service connections	No.	–	71	1,677	4,887	4,523	4,933	4,693	342	608	591	389	361	305	360	327	331	230	102	111	84	113	90	–	–	–	25,128	–	1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	9	15	26	11	18	3	7	7	3	10	9	2	–	–	1	–	30	10	5	–	–	166	–	1
56	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	–	–	–	1	–	17	83	32	18	21	30	30	16	17	12	10	13	14	9	9	18	133	108	3	–	594	–	1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
58	All	Load Control	Centralised plant	Lot	–	–	–	–	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5	–	1
59	All	Load Control	Relays	No	5	–	–	–	1	–	124	132	732	940	966	413	710	541	870	31	59	29	56	42	28	48	47	1	9,661	15,436	–	1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Wairoa**

SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref																														
8		**Disclosure Year (year ended)**	31 March 2016																											
											Number of assets at disclosure year end by installation date																			
9	**Voltage**	**Asset category**	**Asset class**	**Units**	**pre-1940**	**1940 –1949**	**1950 –1959**	**1960 –1969**	**1970 –1979**	**1980 –1989**	**1990 –1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**No. with age unknown**	**end of year (quantity)**	**No. with default dates**	**Data accuracy (1–4)**
10	All	Overhead Line	Concrete poles / steel structure	No.	–	–	48	14	228	868	183	147	376	209	84	78	68	52	30	57	51	13	10	8	29	22	46	14	–	2,635	–	1
11	All	Overhead Line	Wood poles	No.	18	82	1,023	666	506	379	610	301	253	64	43	61	54	73	62	17	92	11	21	26	42	17	17	1	–	4,439	–	1
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	–	–	34	32	–	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	67	–	1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	–	–	57	–	63	7	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	127	–	1
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0	–	1
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	10	–	–	12	–	1
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	–	–	1
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	–	1
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	–	–	–	–	–	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4	–	1
30	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	1	–	1
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	1	–	–	10	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–	–	–	–	14	–	1
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	–	1
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	–	2	2	–	6	–	8	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	19	–	1
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	65	81	210	184	45	63	5	–	3	3	2	6	3	2	6	1	–	1	–	0	1	0	1	0	–	682	–	1
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
38	HV	Distribution Line	SWER conductor	km	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	–	–	0	–	0	1	0	0	0	0	0	0	0	0	1	–	0	–	0	0	0	0	–	–	3	–	1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	–	1	3	6	2	0	0	0	0	0	0	1	2	0	–	–	–	–	0	–	–	–	–	16	–	1
41	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	–	–	–	–	4	8	10	2	1	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	27	–	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	21	336	244	170	151	14	26	44	53	48	21	32	24	19	23	14	27	16	24	10	8	–	1	1,326	–	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	–	–	4	2	–	4	–	2	–	–	4	2	–	–	–	–	–	–	–	–	–	–	18	–	1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	–	1	6	7	–	7	1	5	1	–	5	3	–	1	–	–	1	2	–	–	–	–	40	–	1
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	10	276	164	119	124	12	19	18	37	38	19	20	6	10	6	12	14	12	21	8	6	–	–	951	–	1
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	–	19	8	12	9	4	5	3	7	7	9	6	9	2	1	3	–	6	7	3	–	–	–	120	–	1
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	–	1	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	–	1
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
51	LV	LV Line	LV OH Conductor	km	7	31	43	30	9	9	2	1	0	0	0	1	0	0	0	–	–	0	–	–	–	0	1	–	–	135	–	1
52	LV	LV Cable	LV UG Cable	km	0	0	1	4	11	17	7	0	0	0	1	1	1	1	2	1	0	0	0	0	0	0	0	–	–	49	–	1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	–	0	0	0	–	–	0	–	0	–	0	0	–	0	–	–	–	–	–	–	–	–	–	1	–	1
54	LV	Connections	OH/UG consumer service connections	No.	–	–	16	1,786	1,106	1,478	820	71	85	167	368	180	80	58	61	59	26	5	4	11	6	8	–	–	–	6,395	–	1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	–	10	1	–	7	–	1	–	3	–	1	–	–	–	1	–	(7)	(6)	7	16	–	34	–	1
56	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	–	–	–	–	–	–	19	14	26	4	8	1	20	–	1	4	2	–	3	5	2	17	25	–	–	151	–	1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1
58	All	Load Control	Centralised plant	Lot	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	3	–	1
59	All	Load Control	Relays	No	–	–	–	–	–	–	1	–	5	4	14	13	8	9	4	–	–	–	1	–	1	–	1	–	107	168	–	1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - All**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref				
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	307	–	307
12	50kV & 66kV	301	1	302
13	33kV	34	0	34
14	SWER (all SWER voltages)	1	–	1
15	22kV (other than SWER)	–	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	2,398	133	2,531
17	Low voltage (< 1kV)	517	261	778
18	**Total circuit length (for supply)**	3,558	395	3,953
19				
20	Dedicated street lighting circuit length (km)	13	8	21
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			1,000
22				
23	**Overhead circuit length by terrain (at year end)**	**Circuit length (km)**	**(% of total overhead length)**	
24	Urban	192	5%	
25	Rural	1,781	50%	
26	Remote only	381	11%	
27	Rugged only	928	26%	
28	Remote and rugged	275	8%	
29	Unallocated overhead lines	–	–	
30	**Total overhead length**	3,558	100%	
31				
32		**Circuit length (km)**	**(% of total circuit length)**	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,329	34%	
34		**Circuit length (km)**	**(% of total overhead length)**	
35	Overhead circuit requiring vegetation management	3,558	100%	

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Gisborne**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref				
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	180	–	180
12	50kV & 66kV	268	1	270
13	33kV	–	–	–
14	SWER (all SWER voltages)	–	–	–
15	22kV (other than SWER)	–	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	1,717	114	1,830
17	Low voltage (< 1kV)	382	212	594
18	**Total circuit length (for supply)**	2,547	327	2,874
19				
20	Dedicated street lighting circuit length (km)	13	8	21
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			–
22				

23	**Overhead circuit length by terrain (at year end)**	**Circuit length (km)**	**(% of total overhead length)**
24	Urban	169	7%
25	Rural	1,355	53%
26	Remote only	293	12%
27	Rugged only	614	24%
28	Remote and rugged	116	5%
29	Unallocated overhead lines	–	–
30	**Total overhead length**	2,547	100%
31			

32		**Circuit length (km)**	**(% of total circuit length)**
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,657	58%

34		**Circuit length (km)**	**(% of total overhead length)**
35	Overhead circuit requiring vegetation management	2,547	100%

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Wairoa**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref				
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	126	–	126
12	50kV & 66kV	32	–	32
13	33kV	34	0	34
14	SWER (all SWER voltages)	1	–	1
15	22kV (other than SWER)	–	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	682	19	701
17	Low voltage (< 1kV)	135	49	184
18	**Total circuit length (for supply)**	1,010	68	1,079
19				
20	Dedicated street lighting circuit length (km)	–	–	–
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			300
22				

23	**Overhead circuit length by terrain (at year end)**	**Circuit length (km)**	**(% of total overhead length)**
24	Urban	23	2%
25	Rural	426	42%
26	Remote only	88	9%
27	Rugged only	314	31%
28	Remote and rugged	160	16%
29	Unallocated overhead lines	–	–
30	**Total overhead length**	1,010	100%
31			

32		**Circuit length (km)**	**(% of total circuit length)**
33	Length of circuit within 10km of coastline or geothermal areas (where known)	328	30%

34		**Circuit length (km)**	**(% of total overhead length)**
35	Overhead circuit requiring vegetation management	1,010	100%

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

This schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB's network or in another embedded network.

sch ref

	Location *	Number of ICPs served	Line charge revenue ($000)
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

** Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - All**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

*Consumer types defined by EDB**	Number of connections (ICPs)
Domestic/Residential	19,328
Commercial	6,023
Large Commercial	55
Industrial	4

** include additional rows if needed*

Connections total 25,410

Distributed generation

Number of connections made in year	56	connections
Capacity of distributed generation installed in year	0.20	MVA

9e(ii): System Demand

		Demand at time of maximum coincident demand (MW)	
Maximum coincident system demand			
	GXP demand	51	
plus	Distributed generation output at HV and above	9	
	Maximum coincident system demand	60	
less	Net transfers to (from) other EDBs at HV and above	–	
	Demand on system for supply to consumers' connection points	60	

		Energy (GWh)	
Electricity volumes carried			
	Electricity supplied from GXPs	297	
less	Electricity exports to GXPs	–	
plus	Electricity supplied from distributed generation	12	
less	Net electricity supplied to (from) other EDBs	–	
	Electricity entering system for supply to consumers' connection points	309	
less	Total energy delivered to ICPs	279	
	Electricity losses (loss ratio)	29	9.4%
	Load factor	0.58	

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	224
Distribution transformer capacity (Non-EDB owned, estimated)	37
Total distribution transformer capacity	261
Zone substation transformer capacity	323

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Gisborne**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

*Consumer types defined by EDB**	Number of connections (ICPs)
Domestic/Residential	16,179
Commercial	4,386
Large Commercial	44
Industrial	3

** include additional rows if needed*

Connections total 20,612

Distributed generation

Number of connections made in year	50	connections
Capacity of distributed generation installed in year	0.18	MVA

9e(ii): System Demand

		Demand at time of maximum coincident demand (MW)	
Maximum coincident system demand			
	GXP demand	45	
plus	Distributed generation output at HV and above	5	
	Maximum coincident system demand	50	
less	Net transfers to (from) other EDBs at HV and above	–	
	Demand on system for supply to consumers' connection points	50	

		Energy (GWh)	
Electricity volumes carried			
	Electricity supplied from GXPs	247	
less	Electricity exports to GXPs	–	
plus	Electricity supplied from distributed generation	6	
less	Net electricity supplied to (from) other EDBs	–	
	Electricity entering system for supply to consumers' connection points	253	
less	Total energy delivered to ICPs	230	
	Electricity losses (loss ratio)	23	9.1%
	Load factor	0.58	

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	178
Distribution transformer capacity (Non-EDB owned, estimated)	28
Total distribution transformer capacity	206
Zone substation transformer capacity	272

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Wairoa**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

*Consumer types defined by EDB**	Number of connections (ICPs)
Domestic/Residential	3,149
Commercial	1,637
Large Commercial	11
Industrial	1

** include additional rows if needed*

Connections total 4,798

Distributed generation

Number of connections made in year	6	connections
Capacity of distributed generation installed in year	0	MVA

9e(ii): System Demand

		Demand at time of maximum coincident demand (MW)
	Maximum coincident system demand	
	GXP demand	7
plus	Distributed generation output at HV and above	5
	Maximum coincident system demand	11
less	Net transfers to (from) other EDBs at HV and above	–
	Demand on system for supply to consumers' connection points	11

		Energy (GWh)	
	Electricity volumes carried		
	Electricity supplied from GXPs	50	
less	Electricity exports to GXPs	–	
plus	Electricity supplied from distributed generation	6	
less	Net electricity supplied to (from) other EDBs	–	
	Electricity entering system for supply to consumers' connection points	56	
less	Total energy delivered to ICPs	50	
	Electricity losses (loss ratio)	6	10.7%
	Load factor	0.57	

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	46
Distribution transformer capacity (Non-EDB owned, estimated)	9
Total distribution transformer capacity	55
Zone substation transformer capacity	51

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - All**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

10(i): Interruptions

Interruptions by class

		Number of interruptions
10	Class A (planned interruptions by Transpower)	1
11	Class B (planned interruptions on the network)	227
12	Class C (unplanned interruptions on the network)	270
13	Class D (unplanned interruptions by Transpower)	–
14	Class E (unplanned interruptions of EDB owned generation)	–
15	Class F (unplanned interruptions of generation owned by others)	–
16	Class G (unplanned interruptions caused by another disclosing entity)	–
17	Class H (planned interruptions caused by another disclosing entity)	–
18	Class I (interruptions caused by parties not included above)	1
19	**Total**	499

Interruption restoration

		≤3Hrs	>3hrs
22	Class C interruptions restored within	166	104

SAIFI and SAIDI by class

		SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	0.01	9.43
26	Class B (planned interruptions on the network)	0.65	77.42
27	Class C (unplanned interruptions on the network)	3.35	251.64
28	Class D (unplanned interruptions by Transpower)	–	–
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	–	–
31	Class G (unplanned interruptions caused by another disclosing entity)	–	–
32	Class H (planned interruptions caused by another disclosing entity)	–	–
33	Class I (interruptions caused by parties not included above)	0.00	0.04
34	**Total**	4.01	338.5

Normalised SAIFI and SAIDI

		Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	3.31	276.24

Quality path normalised reliability limit

		SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*	3.8	285.8

** not applicable to exempt EDBs*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - All**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

10(ii): Class C Interruptions and Duration by Cause

Cause	SAIFI	SAIDI
Lightning	0.02	3.26
Vegetation	0.51	37.17
Adverse weather	1.20	134.01
Adverse environment	0.03	4.18
Third party interference	0.18	12.23
Wildlife	0.13	9.70
Human error	0.10	2.31
Defective equipment	0.65	37.77
Cause unknown	0.53	11.01

10(iii): Class B Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.15	1.02
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.45	71.40
Distribution cables (excluding LV)	0.04	5.00
Distribution other (excluding LV)	–	–

10(iv): Class C Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	1.50	35.00
Subtransmission cables	0.17	3.49
Subtransmission other	–	–
Distribution lines (excluding LV)	1.52	202.23
Distribution cables (excluding LV)	0.15	10.92
Distribution other (excluding LV)	–	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	10.00	641.48	1.56
Subtransmission cables	1.00	1.41	70.93
Subtransmission other	–		
Distribution lines (excluding LV)	253.00	2,400.65	10.54
Distribution cables (excluding LV)	6.00	132.31	4.53
Distribution other (excluding LV)	–		
Total	270		

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Gisborne**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

8 **10(i): Interruptions**

9 **Interruptions by class**

		Number of interruptions
10	Class A (planned interruptions by Transpower)	–
11	Class B (planned interruptions on the network)	206
12	Class C (unplanned interruptions on the network)	196
13	Class D (unplanned interruptions by Transpower)	–
14	Class E (unplanned interruptions of EDB owned generation)	–
15	Class F (unplanned interruptions of generation owned by others)	–
16	Class G (unplanned interruptions caused by another disclosing entity)	–
17	Class H (planned interruptions caused by another disclosing entity)	–
18	Class I (interruptions caused by parties not included above)	1
19	**Total**	403

20

21 **Interruption restoration**

		≤3Hrs	>3hrs
22	Class C interruptions restored within	121	75

23

24 **SAIFI and SAIDI by class**

		SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	0.64	68.94
27	Class C (unplanned interruptions on the network)	3.04	219.70
28	Class D (unplanned interruptions by Transpower)	–	–
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	–	–
31	Class G (unplanned interruptions caused by another disclosing entity)	–	–
32	Class H (planned interruptions caused by another disclosing entity)	–	–
33	Class I (interruptions caused by parties not included above)	0.00	0.05
34	**Total**	3.68	288.7

35

36 **Normalised SAIFI and SAIDI**

		Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	2.95	225.11

38

39 **Quality path normalised reliability limit**

		SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A

41 ** not applicable to exempt EDBs*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Gisborne**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

10(ii): Class C Interruptions and Duration by Cause

Cause	SAIFI	SAIDI
Lightning	–	–
Vegetation	0.54	33.23
Adverse weather	1.17	126.54
Adverse environment	0.03	5.16
Third party interference	0.22	15.07
Wildlife	0.09	7.15
Human error	0.12	2.85
Defective equipment	0.34	19.20
Cause unknown	0.54	10.49

10(iii): Class B Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.19	0.84
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.40	61.95
Distribution cables (excluding LV)	0.05	6.16
Distribution other (excluding LV)	–	–

10(iv): Class C Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	1.56	37.01
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	1.31	172.51
Distribution cables (excluding LV)	0.17	10.17
Distribution other (excluding LV)	–	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	7.00	448.40	1.56
Subtransmission cables	–	1.34	–
Subtransmission other	–		
Distribution lines (excluding LV)	184.00	1,717.51	10.71
Distribution cables (excluding LV)	5.00	113.63	4.40
Distribution other (excluding LV)	–		
Total	196		

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Wairoa**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

8 **10(i): Interruptions**

9 **Interruptions by class**

	Number of interruptions
10 Class A (planned interruptions by Transpower)	1.00
11 Class B (planned interruptions on the network)	21.00
12 Class C (unplanned interruptions on the network)	74.00
13 Class D (unplanned interruptions by Transpower)	–
14 Class E (unplanned interruptions of EDB owned generation)	–
15 Class F (unplanned interruptions of generation owned by others)	–
16 Class G (unplanned interruptions caused by another disclosing entity)	–
17 Class H (planned interruptions caused by another disclosing entity)	–
18 Class I (interruptions caused by parties not included above)	–
19 **Total**	96

20

21 **Interruption restoration**

	≤3Hrs	>3hrs
22 Class C interruptions restored within	45	29

23

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	0.07	49.99
26 Class B (planned interruptions on the network)	0.70	113.86
27 Class C (unplanned interruptions on the network)	4.65	388.96
28 Class D (unplanned interruptions by Transpower)	–	–
29 Class E (unplanned interruptions of EDB owned generation)	–	–
30 Class F (unplanned interruptions of generation owned by others)	–	–
31 Class G (unplanned interruptions caused by another disclosing entity)	–	–
32 Class H (planned interruptions caused by another disclosing entity)	–	–
33 Class I (interruptions caused by parties not included above)	–	–
34 **Total**	5.42	552.8

35

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	5.35	503.91

38

39 **Quality path normalised reliability limit**

	SAIFI reliability limit	SAIDI reliability limit
40 SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A

41 ** not applicable to exempt EDBs*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2016**
Network / Sub-network Name	**Eastland Network Limited - Wairoa**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

10(ii): Class C Interruptions and Duration by Cause

Cause	SAIFI	SAIDI
Lightning	0.13	17.27
Vegetation	0.37	54.13
Adverse weather	1.35	166.11
Adverse environment	–	–
Third party interference	–	–
Wildlife	0.33	20.62
Human error	–	–
Defective equipment	1.96	117.62
Cause unknown	0.50	13.21

10(iii): Class B Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.01	1.82
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.69	112.05
Distribution cables (excluding LV)	–	–
Distribution other (excluding LV)	–	–

10(iv): Class C Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	1.24	26.36
Subtransmission cables	0.92	18.48
Subtransmission other	–	–
Distribution lines (excluding LV)	2.41	330.01
Distribution cables (excluding LV)	0.07	14.11
Distribution other (excluding LV)	–	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	3.00	193.08	1.55
Subtransmission cables	1.00	0.07	1,532.90
Subtransmission other	–		
Distribution lines (excluding LV)	69.00	683.13	10.10
Distribution cables (excluding LV)	1.00	18.68	5.35
Distribution other (excluding LV)	–		
Total	74		

Company Name	Eastland Network Limited
For Year Ended	31 March 2016

Schedule 14 Mandatory Explanatory Notes

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f),and 2.5.2(1)(e).

2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.

3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 1: Explanatory comment on return on investment

ROI for the 2015/16 year is higher than it has been historically as a result of the Avoided Cost of Transmission allowable revenue for assets acquired from Transpower. This additional revenue flows through to higher profits and consequently a higher ROI than has historically been achieved. The ROI excluding these revenues reduces from 6.34% to 4.29% (Post tax) and from 6.99% to 4.94% (vanilla).

There are no reclassified items.

Regulatory Profit (Schedule 3)

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-

   5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3

   5.2 information on reclassified items in accordance with subclause 2.7.1(2).

Box 2: Explanatory comment on regulatory profit

Other Income includes

- New connection fees $33k,
- Sale of Scrap $16k,
- An Administration Fee for Loss Rental Rebates $55k,
- Compensation Receipts of $33k for debts being paid off over time for damage caused to network assets,
- Recovery of costs from Eastland Generation of $275k for services provided by network staff to Eastland Generation.

The increase in profit is a direct result of the inclusion in revenue of Avoided Cost of Transmission for the acquisition of Transpower assets. This additional revenue allowance is available for a five year period following the acquisition of Transpower assets. This 2015/16 year is the first year in which this revenue has been included.

Merger and acquisition expenses (3(iv) of Schedule 3)

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-

   6.1 information on reclassified items in accordance with subclause 2.7.1(2)

   6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure

There was no merger or acquisition expenditure during the year

Value of the Regulatory Asset Base (Schedule 4)

7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)

Asset Lives

There has been a notable change in some asset lives which is a result of the acquisition of the former Transpower assets. The weighted average total life of subtransmission lines has increased from 51 years in 2015 to 55 years in 2016. The weighted average remaining life of zone substations has increased to 35 years (from 30 in 2015) and the weighted average expected total life of zone substations has also increased from 43 to 48 years. The weighted average remaining useful life and weighted average remaining total life of Non-network assets have also increased from 25 – 29 years and 29-38 years.

The RAB value of subtransmission line assets commissioned in 2015 was $3.9m (36% of 2015 opening balance). The weighted average total life of these commissioned assets was 63 years. Consequently these additions increased the weighted average total life of all subtransmission line assets by 4 years in 2016.

There is a similar impact on weighted average asset lives for zone substation assets as a result of the acquisition of Transpower zone substation assets. The 2015 commissioned zone substation assets were $7.9m (59% of the 2015 opening RAB value of the zone substation assets). These 2015 commissioned zone substation assets had a weighted average remaining life of 45 years (2015 – 30 years) and a weighted average remaining total life of 56 years. The inclusion of these additional assets in the calculation of the all zone substations weighted average total lives in 2016 was an increase of 5 years to 48 years (2015 – 43) and weighted average expected remaining life was also an increase of 5 years to 35 years (2015 – 30 years).

Non-network asset lives has increased as a result of the inclusion of intangible assets such as access tracks, bridges and such assets across privately owned land. The value of these 2015 commissioned assets was $2m (300% of 2015 opening RAB values). Many of these assets typically have lives of around 50 years. Consequently, there has been a significant increase in weighted average total life and weighted average remaining life.

There have been no reclassified items during the year.

Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a)

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-

    8.1 Income not included in regulatory profit / (loss) before tax but taxable;

    8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;

    8.3 Income included in regulatory profit / (loss) before tax but not taxable;

    8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

Box 5: Regulatory tax allowance: permanent differences

Expenditure in regulatory profit before tax but not deductible is for minor entertainment and Legal/consultancy Fees $3k

Regulatory tax allowance: disclosure of temporary differences (5a(vi) of Schedule 5a)

9. In the box below, provide descriptions and workings of material items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

Box 6: Tax effect of other temporary differences (current disclosure year)

There were no material items included in 5a(vi) of Schedule 5a Tax effect of other temporary differences.

Related party transactions: disclosure of related party transactions (Schedule 5b)

10. In the box below, provide descriptions of related party transactions beyond those disclosed on Schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under subclause 2.3.6(1)(b).

Box 7: Related party transactions

Eastech Ltd provides fault and maintenance services to Eastland Network Ltd. Eastland Network has contracts with a number of providers who all work to an agreed price schedule. This schedule applies to all electrical services providers.

Eastland Network provides technical support such as engineering and project management services to Eastland Generation Ltd for generation assets used to provide network support. These services are charged out at cost recovery.

Avoided costs of transmission are paid to Eastland Generation for reduction in Regional Coincident Peak Demand charges in accordance with the requirements under the Distributed Generation Pricing Principles.

Avoided costs of distribution are also paid to Eastland Generation for network support provided in key parts of the network. These payments are also made in accordance with the Distributed Generation Pricing Principles.

Rental payments are made to Eastland Investment Properties Limited for the offices in Gisborne and Wairoa including yard space as well as some zone substations.

Payments are made to Eastland Group Limited for the provision of shared services functions such as accounting/finance, Information Technology and governance.

Cost allocation (Schedule 5d)

11. In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 8: Cost allocation

There are no reclassified items in schedule 5d.

Asset allocation (Schedule 5e)

12. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 9: Commentary on asset allocation

There are no reclassified items in Schedule 5e.

Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-

    13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;

    13.2 information on reclassified items in accordance with subclause 2.7.1(2),

Box 10: Explanation of capital expenditure for the disclosure year

As there is limited or no growth in the Eastland region, the majority of the capital expenditure is focused on Asset replacement and renewal.

Asset Replacement & Renewal – Subtransmission: The major expenditure item in this category was $436k for the newly acquired Transpower assets mainly structure and grillage replacement.

Asset Replacement and Renewal – Distribution & LV Lines: Major projects for this category were for pole replacements at a cost of $2.8m during the year. Conductor replacement expenditure was $368K.

Other Reliability, Safety and Environment: Expenditure of $315k was for replacing overhead lines in the CBD with underground cables.

Operational Expenditure for the Disclosure Year (Schedule 6b)

14. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-

    14.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;

    14.2 Information on reclassified items in accordance with subclause 2.7.1(2);

    14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

Box 11: Explanation of operational expenditure for the disclosure year

Of note during the year is the increase in network opex by $500k for the newly acquired Transpower assets.

Asset Replacement & Renewal Expenditure includes ACOD payments of $1.6m. The remaining $200k relates to Communications, maintenance/calibration, transformers earthing system repairs, zone sub oil processing and unplanned fuse replacements

There are no items reclassified during the year.

Variance between forecast and actual expenditure (Schedule 7)

15. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 12: Explanatory comment on variance in actual to forecast expenditure

CAPITAL EXPENDITURE

Customer Connections variance (-$44k):
The target Customer Connections amount is to allow for unplanned additional assets required for unplanned new connections. There were less connections than expected.

System Growth (-$770k)
The target for unplanned growth requirements, particularly unplanned upgrades to assets as a result of growth was less than anticipated (-$274k). The Mahia line extension and substation upgrade has been deferred as negotiations over access continue (-495k).

Asset Replacement and Renewal (-$3.2m):
$2.7m of the variance relates to the newly acquired Transpower assets. The target was based on information received from Transpower which was out of date. Since taking ownership of the assets on 1 April 2015 Eastland has been conducting condition assessments and developing updated plans regarding capital expenditure on these assets. Consequently, some of the original Transpower projects have been delayed or deferred indefinitely while other solutions are implemented.

$0.3m relates to the planned replacement of assets which was unable to be completed due to resourcing issues.

$0.2m relates to unplanned pole, conductor and cable replacement due to faults or premature failure, however there were fewer requirements for replacement during the year.

Asset Relocations variance (-$49k):
Variance due to the Target being an amount set aside to account for adhoc requests made by local body to relocate assets. During 2016, there were minimal requests made.

Reliability, Safety and Environment

Quality of Supply (-$133K)
The variance relates to several projects that were underspent

- 11kv Field recloser automation additions (-$37k) was less than expected primarily because of equipment supplier delivery delays.
- 2 x genset sites to be established at Raupunga & Ruakituri (-$34k) underspent/deferred due to incomplete property lease negotiations.
- Building/switchyard security upgrade for the Kaiti substation(-$55k) was not spent during the year because of delays in gaining appropriate Resource Consents.

Legislative and Regulatory (-$52k). The variance is not considered material

Other (-$81k). The variance is not considered material.

Non-network Assets (-$5,641)

$4.5m of variance relates to the transfer/acquisition of the property leased by Eastland Network Ltd from Eastland Investment Properties Limited. This transfer/acquisition has been delayed until the 2016/17 year and is likely to be treated as allocated assets rather than commissioned assets.

The $1.2m Asset Management System software project has been delayed.

OPERATIONAL EXPENDITURE

Service interruptions and emergencies (-$77k)

There were various projects/fault related activities with minor variances which in total added to $77k

Vegetation management (-$47k)

Variances are minor across a number of projects.

Routine and corrective maintenance and inspection (-$668k)

-$452k is in relation to ex-Transpower assets where the target was based on forecasts provided by Transpower which have proved to be incorrect.

-Other underspend was due to the costs for various projects being lower than expected and the variance on each project is not considered material. The underspends relate to

- Distribution and LV lines and cables ($78k variance)
- Distribution switchgear ($48k variance)
- Ground mount transformer inspection and earth testing ($55k)

Asset replacement and renewal (-$250k)

$143k underspend was for ex-Transpower assets where the target was based on forecasts provided by Transpower which have proved to be incorrect.

$44k variance was in relation to 50kV Pole replacement/maintenance where less work was carried out than anticipated due to resourcing issues. A further $46k variance was due to Transformer earthing repairs project being underspent.

The remaining variance relates to a number of projects with minor variances to target.

Information relating to revenues and quantities for the disclosure year

16. In the box below provide-

    16.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and

    16.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

Box 13: Explanatory comment relating to revenue for the disclosure year

Target Revenue was $33.234m versus total billed line charge revenue of $32.922m. The difference is $0.312m or 0.95%.

Actual Distribution Revenue including the pass-through costs was very close to target of $23.8m.

Actual Transmission Revenue was lower than target as the amount of ACOT revenue allowable for the purchase of Transpower assets was higher than our original forecast by $203K and distributed generation allowances for the year was under forecast. However, overall total revenue had only a minor variance to target revenue.

Network Reliability for the Disclosure Year (Schedule 10)

17. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10.

Box 14: Commentary on network reliability for the disclosure year

Reliability for 2016 was better than the prior year with fewer interruptions.

Normalised SAIDI and SAIFI were both well below reliability limits. The extreme weather events that were experienced in the Eastland region during the year and the difficulty in restoring power to remote regions in testing conditions is reflected in a normalised SAIDI of 276.24 (2015 – 255.8) that was higher than last year and a normalised SAIFI lower than the previous year at 3.31 (2015 – 3.98). Normalised SAIDI and SAIFI have been calculated based on the Information Disclosures determination 2012. This is different to the normalisation calculation for Annual Compliance under the Default Price Path determination 2015 but follows clarification in the Issues Register No. 447 & 458.

There was a marked decrease in vegetation caused outages but adverse weather events were more frequent than 2015. Consequently, fault rates per 100 km are lower than the prior year.

Insurance cover

18. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-

    18.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;

    18.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 15: Explanation of insurance cover

Network assets such as the Substation buildings, Zone sub transformers & switchgear, SCADA, other communications equipment excluding fibre-optic cables are insured but lines, poles and cables are not. These assets are insured for replacement cost to a maximum of $67 million.

Eastland Network Limited has no self-insurance cover.

Amendments to previously disclosed information

19. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:

    19.1 a description of each error; and

    19.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 16: Disclosure of amendment to previously disclosed information

Regulatory Tax Assets

The Regulatory Tax Asset register has been amended to reflect the balances of the Financial Tax Asset Register. The initial RAB was developed using a different dataset than that used for the financial accounting and tax records. In order to be able to apply the asset allocation methodologies to Regulatory Tax Assets, the 2010-2015 Regulatory Tax Asset Register was developed to match the assets in the initial RAB. However, in reviewing the definition of Regulatory Tax Asset values under IM 2.3.9, this matching of the Regulatory Tax Asset base to the RAB and not the IRD Tax assets values is considered an error. Consequently the Regulatory Tax Asset base has been reduced by $17m to more closely reflect the balances in the Financial (IRD) Tax Register. The amendment has been included in Row 89 of Schedule 5a(viii) Other adjustment to the RAB tax value.

This change has flow on effects to the amortisation of initial differences, deferred tax, regulatory tax allowance and ROI.

The net effect is a minor understatement of ROI (compared to vanilla WACC) in 2014 and an overstatement of ROI in 2015 of 5.15% instead of 4.92%.

The weighted average remaining useful life of relevant assets has also been restated to omit the lives of non-relevant assets that had been erroneously included in the calculation.

The restated details are below:

Weighted Average remaining useful life of relevant assets:

	Disclosed	Restated	Difference
2012	25.07	31.42	3.91
2013	25.2	30.48	0.94
2014	35.0	29.36	5.64
2015	35.21	28.38	6.83

Amortisation of Initial differences:

	Disclosed	Restated	Difference
2012	1,087	1,874	-868
2013	1,037	1,870	-770
2014	1,046	1,878	-919
2015	927	1,877	-950

Deferred Tax

	Disclosed	Restated	Difference
2012	-2,328	-1,793	-535
2013	-1,134	-2,564	1,430
2014	-4,232	-3,222	1,010
2015	-4,728	-3,861	867

Regulatory Tax Allowance

	Disclosed	Restated	Difference
2012	2,748	2,445	303
2013	2,345	2,162	183
2014	1,209	1,948	-739
2015	1,774	2,034	-260

Regulatory Profit after tax

	Disclosed	Restated	Difference
2012	8,965	9,267	-302
2013	7,582	7,765	-183
2014	8,120	7,382	738
2015	6,582	6,321	261

	ROI (comparable to vanilla WACC)		**ROI (comparable to post-tax WACC)**	
	Disclosed	Restated	Disclosed	Restated
2013	6.59%	6.59%	5.81%	5.81%
2014	6.29%	6.23%	5.61%	5.55%
2015	5.15%	4.92%	4.37%	4.13%

The ROI restatement has only been calculated for the 2013-2015 years which are the years for which the new calculation method has been employed.

Works under construction

Opening Works under construction has been restated to remove the effect of vested assets and capital contributions that have previously been included in this opening figure in error and carried forward.

Company Name	Eastland Network Limited
For Year Ended	31 March 2016

Schedule 14a Mandatory Explanatory Notes on Forecast Information

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.

2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a)

3. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11a.

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts
This was previously disclosed with the Asset Management Plan in March.

Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)

4. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11b.

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts
This was previously disclosed with the Asset Management Plan in March.

Company Name	Eastland Network Limited
For Year Ended	31 March 2016

Schedule 15 Voluntary Explanatory Notes

1. This schedule enables EDBs to provide, should they wish to-

   1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;

   1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.

2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

Schedule 18 Certification for 2015/16 Year-end Disclosures

Clause 2.9.2

We, Tony Gray and Kieran Devine
being directors of Eastland Network Limited certify that, having made all reasonable enquiry, to the best of our knowledge-

a) The information prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, and 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and

b) The historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10, and 14a has been properly extracted from the Eastland Network Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained; and

c) In respect of related party costs and revenues recorded in accordance with subclauses 2.3.6(1) (when valued in accordance with clause 2.2.11(5)(h)(ii) of the Electricity Distribution Services Input Methodologies Determination 2010), 2.3.6(1)(f) and 2.3.7(2)(b), we certify that, having made all reasonable enquiry, including enquiries of our related parties, we are satisfied that to the best of our knowledge and belief the costs and revenues recorded for related party transactions reasonably reflect the price or prices that would have been paid or received had these transactions been at arm's-length.

Director

Director

Dated: 17 August 2016

Deloitte.

INDEPENDENT ASSURANCE REPORT TO THE DIRECTORS OF EASTLAND NETWORK LIMITED AND TO THE COMMERCE COMMISSION

The Auditor-General is the auditor of Eastland Network Limited (the company). The Auditor-General has appointed me, Trevor Deed, using the staff and resources of Deloitte to provide an opinion, on her behalf, on whether the information disclosed in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the system average interruption duration index ('SAIDI') and system average interruption frequency index ('SAIFI') information disclosed in Schedule 10 and the explanatory notes in boxes 1 to 12 in Schedule 14 ('the Disclosure Information') for the disclosure year ended 31 March 2016, have been prepared, in all material respects, in accordance with the Electricity Distribution Information Disclosure Determination 2012 (the 'Determination').

Directors' responsibility for the Disclosure Information

The directors of the company are responsible for preparation of the Disclosure Information in accordance with the Determination, and for such internal control as the directors determine is necessary to enable the preparation of the Disclosure Information that is free from material misstatement.

Our responsibility for the Disclosure Information

Our responsibility is to express an opinion on whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

Basis of opinion

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised) *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* issued by the External Reporting Board and the Standard on Assurance Engagements 3100: *Compliance Engagements* issued by the External Reporting Board. Copies of these standards are available on the External Reporting Board's website.

These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Disclosure Information has been prepared in all material respects in accordance with the Determination.

We have performed procedures to obtain evidence about the amounts and disclosures in the Disclosure Information. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the Disclosure Information, whether due to fraud or error or non-compliance with the Determination. In making those risk assessments, we considered internal control relevant to the company's preparation of the Disclosure Information in order to design procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.

We also evaluated:

- the appropriateness of assumptions used and whether they have been consistently applied; and

- the reasonableness of the significant judgements made by the directors of the company.

Use of this report

This independent assurance report has been prepared solely for the directors of the company and for the Commerce Commission for the purpose of providing those parties with reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the company or the Commerce Commission, or for any other purpose than that for which it was prepared.

Deloitte.

Scope and inherent limitations

Because of the inherent limitations of a reasonable assurance engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Disclosure Information nor do we guarantee complete accuracy of the Disclosure Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information.

The opinion expressed in this independent assurance report has been formed on the above basis.

Independence and quality control

When carrying out the engagement, we complied with the Auditor-General's:

- independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 (Revised) issued by the New Zealand Auditing and Assurance Standards Board; and

- quality control requirements, which incorporate the quality control requirements of Professional and Ethical Standard 3 (Amended) issued by the New Zealand Auditing and Assurance Standards Board.

We also complied with the independence requirements specified in the Determination.

The Auditor-General, and her employees, and Deloitte and its employees may deal with the company on normal terms within the ordinary course of trading activities of the company. Other than any dealings on normal terms within the ordinary course of business, this engagement and the annual audit of the company's financial statements, we have no relationship with or interests in the company.

Opinion

In our opinion:

- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the company;

- As far as appears from an examination, the information used in the preparation of the Disclosure Information has been properly extracted from the company's accounting and other records and has been sourced, where appropriate, from the company's financial and non-financial systems; and

- The Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

In forming our opinion, we have obtained sufficient recorded evidence and all the information and explanations we have required.

Trevor Deed
Deloitte
On behalf of the Auditor-General
Wellington, New Zealand
17 August 2016