EDB Information Disclosure Requirements

Information Templates

for

Schedules 1–10

Company Name	Eastland Network Limited
Disclosure Date	31 August 2018
Disclosure Year (year ended)	31 March 2018

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 2018**

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	35,502	389	168,995	2,512	46,149
Network	17,221	189	81,976	1,218	22,386
Non-network	18,280	200	87,019	1,293	23,763
Expenditure on assets	28,721	315	136,719	2,032	37,335
Network	25,981	285	123,677	1,838	33,774
Non-network	2,740	30	13,042	194	3,562

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs ($/GWh)	Revenue per average no. of ICPs ($/ICP)
Total consumer line charge revenue	131,849	1,444
Standard consumer line charge revenue	131,849	1,444
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	10,955	*Total energy delivered to ICPs per average number of ICPs (kWh/ICP)*

1(iv): Composition of regulatory income

	($000)	% of revenue
Operational expenditure	9,922	26.72%
Pass-through and recoverable costs excluding financial incentives and wash-ups	7,002	18.86%
Total depreciation	5,692	15.33%
Total revaluations	1,665	4.48%
Regulatory tax allowance	3,820	10.29%
Regulatory profit/(loss) including financial incentives and wash-ups	12,362	33.29%
Total regulatory income	37,133	

1(v): Reliability

Interruption rate	11.92	*Interruptions per 100 circuit km*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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 16	31 Mar 17	31 Mar 18
9	**ROI – comparable to a post tax WACC**	%	%	%
10	Reflecting all revenue earned	6.34%	8.39%	8.02%
11	Excluding revenue earned from financial incentives	4.29%	6.34%	5.98%
12	Excluding revenue earned from financial incentives and wash-ups	4.29%	6.43%	6.07%
13				
14	**Mid-point estimate of post tax WACC**	5.37%	4.77%	5.04%
15	25th percentile estimate	4.66%	4.05%	4.36%
16	75th percentile estimate	6.09%	5.48%	5.72%
17				
18				
19	**ROI – comparable to a vanilla WACC**			
20	Reflecting all revenue earned	6.99%	8.94%	8.61%
21	Excluding revenue earned from financial incentives	4.94%	6.88%	6.57%
22	Excluding revenue earned from financial incentives and wash-ups	4.94%	6.97%	6.66%
23				
24	**WACC rate used to set regulatory price path**	7.19%	7.19%	7.19%
25				
26	**Mid-point estimate of vanilla WACC**	6.02%	5.31%	5.60%
27	25th percentile estimate	5.30%	4.59%	4.92%
28	75th percentile estimate	6.74%	6.03%	6.29%
29				

30	**2(ii): Information Supporting the ROI**		**($000)**	
31				
32	Total opening RAB value	151,867		
33	*plus* Opening deferred tax	(6,671)		
34	**Opening RIV**		145,196	
35				
36	**Line charge revenue**		36,850	
37				
38	Expenses cash outflow	16,924		
39	*add* Assets commissioned	7,061		
40	*less* Asset disposals	289		
41	*add* Tax payments	3,127		
42	*less* Other regulated income	283		
43	**Mid-year net cash outflows**		26,541	
44				
45	**Term credit spread differential allowance**		–	
46				
47	Total closing RAB value	154,613		
48	*less* Adjustment resulting from asset allocation	(0)		
49	*less* Lost and found assets adjustment	–		
50	*plus* Closing deferred tax	(7,364)		
51	**Closing RIV**		147,250	
52				
53	**ROI – comparable to a vanilla WACC**			8.61%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			4.80%
57	Corporate tax rate (%)			28%
58				
59	**ROI – comparable to a post tax WACC**			8.02%
60				

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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 — 5.76%

Year-end ROI – comparable to a post tax WACC — 5.16%

** 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	233	
Other financial incentives	–	
Financial incentives		3,979

Impact of financial incentives on ROI — 2.04%

Input methodology claw-back		
Recoverable customised price-quality path costs		
Catastrophic event allowance		
Capex wash-up adjustment	(177)	
Transmission asset wash-up adjustment		
2013–2015 NPV wash-up allowance		
Reconsideration event allowance		
Other wash-ups		
Wash-up costs		(177)

Impact of wash-up costs on ROI — –0.09%

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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			($000)
7	**3(i): Regulatory Profit**		
8		**Income**	
9		Line charge revenue	36,850
10	*plus*	Gains / (losses) on asset disposals	(264)
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)	547
12			
13		**Total regulatory income**	37,133
14		**Expenses**	
15	*less*	Operational expenditure	9,922
16			
17	*less*	Pass-through and recoverable costs excluding financial incentives and wash-ups	7,002
18			
19		**Operating surplus / (deficit)**	20,209
20			
21	*less*	Total depreciation	5,692
22			
23	*plus*	Total revaluations	1,665
24			
25		**Regulatory profit / (loss) before tax**	16,182
26			
27	*less*	Term credit spread differential allowance	–
28			
29	*less*	Regulatory tax allowance	3,820
30			
31		**Regulatory profit/(loss) including financial incentives and wash-ups**	12,362
32			

				($000)
33	**3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups**			
34		**Pass through costs**		
35		Rates	266	
36		Commerce Act levies	53	
37		Industry levies	69	
38		CPP specified pass through costs		
39		**Recoverable costs excluding financial incentives and wash-ups**		
40		Electricity lines service charge payable to Transpower	6,246	
41		Transpower new investment contract charges	89	
42		System operator services	–	
43		Distributed generation allowance	277	
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**		7,002
47				

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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 17	CY 31 Mar 18
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 13		
58	CY-4	31 Mar 14		
59	CY-3	31 Mar 15		
60	CY-2	31 Mar 16		
61	CY-1	31 Mar 17		
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 2018**

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 14 ($000)	RAB 31 Mar 15 ($000)	RAB 31 Mar 16 ($000)	RAB 31 Mar 17 ($000)	RAB 31 Mar 18 ($000)
10		**Total opening RAB value**	123,189	125,599	139,164	140,586	151,867
12	*less*	**Total depreciation**	5,090	5,148	5,667	6,307	5,692
14	*plus*	**Total revaluations**	1,882	105	815	3,020	1,665
16	*plus*	**Assets commissioned**	5,764	18,615	6,363	7,724	7,061
18	*less*	**Asset disposals**	146	8	89	313	289
20	*plus*	**Lost and found assets adjustment**					–
22	*plus*	**Adjustment resulting from asset allocation**	–	–	–	7,158	(0)
24		**Total closing RAB value**	125,599	139,164	140,586	151,867	154,613

4(ii): Unallocated Regulatory Asset Base

			Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
29		**Total opening RAB value**		151,867		151,867
30	*less*					
31		**Total depreciation**		5,692		5,692
32	*plus*					
33		**Total revaluations**		1,665		1,665
34	*plus*					
35		Assets commissioned (other than below)	7,061		7,061	
36		Assets acquired from a regulated supplier	–		–	
37		Assets acquired from a related party	–		–	
38		**Assets commissioned**		7,061		7,061
39	*less*					
40		Asset disposals (other than below)	238		238	
41		Asset disposals to a regulated supplier				
42		Asset disposals to a related party	51		51	
43		**Asset disposals**		289		289
45	*plus*	**Lost and found assets adjustment**				
47	*plus*	**Adjustment resulting from asset allocation**				(0)
49		**Total closing RAB value**		154,613		154,613

** 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.*

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For Year Ended	**31 March 2018**

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

	CPI_4	1,011
	CPI_4^{-4}	1,000
	Revaluation rate (%)	1.10%

		Unallocated RAB * ($000)	($000)	RAB ($000)	($000)
	Total opening RAB value	151,867		151,867	
less	Opening value of fully depreciated, disposed and lost assets	477		477	
	Total opening RAB value subject to revaluation	151,390		151,390	
	Total revaluations		1,665		1,665

4(iv): Roll Forward of Works Under Construction

		Unallocated works under construction	Allocated works under construction
	Works under construction—preceding disclosure year	213	213
plus	Capital expenditure	8,027	8,027
less	Assets commissioned	7,061	7,061
plus	Adjustment resulting from asset allocation		
	Works under construction - current disclosure year	1,179	1,179
	Highest rate of capitalised finance applied		

Company Name	**Eastland Network Limited**
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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(v): Regulatory Depreciation

		Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
	Depreciation - standard	5,692		5,692	
	Depreciation - no standard life assets				
	Depreciation - modified life assets				
	Depreciation - alternative depreciation in accordance with CPP				
	Total depreciation		5,692		5,692

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

** 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
	Total opening RAB value	15,108	1,391	19,326	53,605	24,090	16,594	8,081	3,511	10,161	151,867
less	Total depreciation	655	32	649	1,887	766	652	387	283	380	5,692
plus	Total revaluations	166	15	211	589	265	180	89	38	111	1,665
plus	Assets commissioned	1,250	–	324	2,259	1,012	631	574	197	816	7,061
less	Asset disposals	–	–	51	–	–	162	60	–	16	289
plus	Lost and found assets adjustment										–
plus	Adjustment resulting from asset allocation										–
plus	Asset category transfers	(3)	(0)	(73)	(0)	0	(20)	93	0	3	(0)
	Total closing RAB value	15,866	1,374	19,086	54,565	24,601	16,571	8,389	3,464	10,696	154,613
	Asset Life										
	Weighted average remaining asset life	33.6	42.4	28.9	37.4	39.9	30.5	24.9	15.8	14.1	(years)
	Weighted average expected total asset life	56.7	55.0	43.5	55.5	59.5	44.7	38.2	26.0	16.7	(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

5a(i): Regulatory Tax Allowance

			($000)	
8		**Regulatory profit / (loss) before tax**		16,182
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	1 *	
12		Amortisation of initial differences in asset values	1,904	
13		Amortisation of revaluations	216	
14				2,122
15				
16	*less*	Total revaluations	1,665	
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	2,995	
21				4,661
22				
23		**Regulatory taxable income**		13,643
24				
25	*less*	Utilised tax losses	–	
26		Regulatory net taxable income		13,643
27				
28		Corporate tax rate (%)	28%	
29		**Regulatory tax allowance**		3,820
30				
31	*	Workings to be provided in Schedule 14		

5a(ii): Disclosure of Permanent Differences

In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).

5a(iii): Amortisation of Initial Difference in Asset Values

			($000)	
35				
36		Opening unamortised initial differences in asset values	47,574	
37	*less*	Amortisation of initial differences in asset values	1,904	
38	*plus*	Adjustment for unamortised initial differences in assets acquired	–	
39	*less*	Adjustment for unamortised initial differences in assets disposed	95	
40		Closing unamortised initial differences in asset values		45,575
41				
42		Opening weighted average remaining useful life of relevant assets (years)		25
43				

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sch ref				($000)
44	**5a(iv): Amortisation of Revaluations**			
45				
46		Opening sum of RAB values without revaluations	140,365	
47				
48		Adjusted depreciation	5,476	
49		Total depreciation	5,692	
50		Amortisation of revaluations		216
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**	(6,671)	
61				
62	*plus*	Tax effect of adjusted depreciation	1,533	
63				
64	*less*	Tax effect of tax depreciation	1,717	
65				
66	*plus*	Tax effect of other temporary differences*	(9)	
67				
68	*less*	Tax effect of amortisation of initial differences in asset values	533	
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	(34)	
73				
74	*plus*	Deferred tax cost allocation adjustment	0	
75				
76		**Closing deferred tax**		(7,364)
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**	69,492	
84	*less*	Tax depreciation	6,133	
85	*plus*	Regulatory tax asset value of assets commissioned	7,061	
86	*less*	Regulatory tax asset value of asset disposals	170	
87	*plus*	Lost and found assets adjustment	–	
88	*plus*	Adjustment resulting from asset allocation	–	
89	*plus*	Other adjustments to the RAB tax value	–	
90		**Closing sum of regulatory tax asset values**		70,251

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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	602
Operational expenditure	4,902
Capital expenditure	656
Market value of asset disposals	54
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	Eastland Group Ltd is the 100% shareholder of Eastland Network Ltd
Eastland Energy Solutions Limited	A subsidiary of the Eastland Group Ltd who is the 100% shareholder of Eastland Network Ltd
Flick Energy Ltd	Eastland Energy Solutions Ltd owned 22.6% of Flick Energy Ltd as at 31 March 2017. Eastland Energy Solutions is a wholly owned subsidiary of our parent Eastland Group Ltd.

** 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	995	ID clause 2.3.6(1)(b)
Eastech Limited	Capex	Electrical Contract Services that are capital in nature	497	IM clause 2.2.11(5)(b)(ii)
Eastech Limited	Sales	Miscellaneous Income	13	ID clause 2.3.7(2)(c)
Eastech Limited	Sales	Sale of transformers	8	ID clause 2.3.7(2)(c)
Eastland Energy Solutions Limited	Sales	Sale of transformers	46	ID clause 2.3.7(2)(c)
Eastland Generation Limited	Sales	Maintenance Services	275	ID clause 2.3.7(2)(c)
Eastland Generation Limited	Sales	Connection Charges	102	ID clause 2.3.7(2)(a)
Eastland Generation Limited	Opex	Avoided Cost of Transmission	194	ID clause 2.3.6(1)(f)
Eastland Generation Limited	Opex	Avoided Cost of Distribution	1,353	ID clause 2.3.6(1)(f)
Eastland Group Limited	Opex	Management Fees/Shared Services	2,361	ID clause 2.3.6(1)(f)
Flick Energy Ltd	Sales	Line Charges	212	ID clause 2.3.7(2)(a)
Eastland Investment Properties Ltd	Capex	Purchase of Properties	159	IM clause 2.2.11(5)(a)(i)
	[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 2018**

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

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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 2018**

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		1,270			
Not directly attributable				–	
Total attributable to regulated service		1,270			
Vegetation management					
Directly attributable		1,068			
Not directly attributable				–	
Total attributable to regulated service		1,068			
Routine and corrective maintenance and inspection					
Directly attributable		918			
Not directly attributable				–	
Total attributable to regulated service		918			
Asset replacement and renewal					
Directly attributable		1,556			
Not directly attributable				–	
Total attributable to regulated service		1,556			
System operations and network support					
Directly attributable		1,527			
Not directly attributable		183		183	
Total attributable to regulated service		1,710			
Business support					
Directly attributable		3,306			
Not directly attributable	–	92	–	92	
Total attributable to regulated service		3,399			
Operating costs directly attributable		9,647			
Operating costs not directly attributable	–	275	–	275	–
Operational expenditure		9,922			

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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	389
Not directly attributable	
Total attributable to regulated service	389
Recoverable costs	
Directly attributable	6,613
Not directly attributable	
Total attributable to regulated service	6,613

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 2018**

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	15,866
Not directly attributable	
Total attributable to regulated service	15,866
Subtransmission cables	
Directly attributable	1,374
Not directly attributable	
Total attributable to regulated service	1,374
Zone substations	
Directly attributable	19,086
Not directly attributable	
Total attributable to regulated service	19,086
Distribution and LV lines	
Directly attributable	54,565
Not directly attributable	
Total attributable to regulated service	54,565
Distribution and LV cables	
Directly attributable	24,601
Not directly attributable	
Total attributable to regulated service	24,601
Distribution substations and transformers	
Directly attributable	16,571
Not directly attributable	
Total attributable to regulated service	16,571
Distribution switchgear	
Directly attributable	8,389
Not directly attributable	
Total attributable to regulated service	8,389
Other network assets	
Directly attributable	3,464
Not directly attributable	
Total attributable to regulated service	3,464
Non-network assets	
Directly attributable	7,558
Not directly attributable	3,138
Total attributable to regulated service	10,696
Regulated service asset value directly attributable	151,475
Regulated service asset value not directly attributable	3,138
Total closing RAB value	154,613

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 2018**

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		78
9		System growth		615
10		Asset replacement and renewal		6,077
11		Asset relocations		–
12		Reliability, safety and environment:		
13		Quality of supply	134	
14		Legislative and regulatory	–	
15		Other reliability, safety and environment	357	
16		**Total reliability, safety and environment**		491
17		**Expenditure on network assets**		7,261
18		Expenditure on non-network assets		766
19				
20		**Expenditure on assets**		8,027
21	*plus*	Cost of financing		–
22	*less*	Value of capital contributions		–
23	*plus*	Value of vested assets		–
24				
25		**Capital expenditure**		8,027

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	Residential	20	
33	Commercial	–	
34	Industrial	58	
35	[EDB consumer type]	–	
36	[EDB consumer type]	–	
37	** include additional rows if needed*		
38	**Consumer connection expenditure**		78
39			
40	*less* Capital contributions funding consumer connection expenditure	–	
41	**Consumer connection less capital contributions**		78

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

		System Growth ($000)	Asset Replacement and Renewal ($000)
45	Subtransmission	–	1,398
46	Zone substations	–	1,104
47	Distribution and LV lines	330	2,255
48	Distribution and LV cables	155	131
49	Distribution substations and transformers	130	460
50	Distribution switchgear	–	320
51	Other network assets	–	409
52	**System growth and asset replacement and renewal expenditure**	615	6,077
53	*less* Capital contributions funding system growth and asset replacement and renewal	–	–
54	**System growth and asset replacement and renewal less capital contributions**	615	6,077

6a(v): Asset Relocations

		*Project or programme**	($000)	($000)
58		Asset relocations (for Territorial authorities)	–	
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**		–
66	*less*	Capital contributions funding asset relocations	–	
67		**Asset relocations less capital contributions**		–

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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)
	Building/Switchyard Security Upgrade (2016/17 defer Kaiti)	60	
	11kV Field Recloser Automation Plan - additions	31	
	SCADA Master Station Development	15	
	Alternate Massey Rd Control Room	–	
	Establish 2x Genset sites (Raupunga & Ruakituri)(defer 2016/17)	29	
	** include additional rows if needed*		
	All other projects programmes - quality of supply		
	Quality of supply expenditure		134
less	Capital contributions funding quality of supply		
	Quality of supply less capital contributions		134

6a(vii): Legislative and Regulatory

	*Project or programme**	($000)	($000)
	[Description of material project or programme]	–	
	[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		–
less	Capital contributions funding legislative and regulatory	–	
	Legislative and regulatory less capital contributions		–

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

	*Project or programme**	($000)	($000)
	2016/17)	308	
	100pa from 2017- Safety	50	
	[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 - other reliability, safety and environment		
	Other reliability, safety and environment expenditure		357
less	Capital contributions funding other reliability, safety and environment		
	Other reliability, safety and environment less capital contributions		357

6a(ix): Non-Network Assets

Routine expenditure

	*Project or programme**	($000)	($000)
	Additional/Upgrade	19	
	Vehicle Replacement @ $60k each (Ntk)	82	
	General asset replacement (Ntk)	112	
	* include additional rows if needed	–	
	All other projects or programmes - routine expenditure	–	
	** include additional rows if needed*		
	All other projects or programmes - routine expenditure		
	Routine expenditure		214

Atypical expenditure

	*Project or programme**	($000)	($000)
	Property Capital Projects (Eastech Carnarvon St office refurb)	15	
	Solar PV Trial (Carnarvon & 2x Wairoa defer from 2016/17)	2	
	Property Capital Projects (ENL Carnarvon St earthquake strengthening)	1	
	Purchase of 168 Carnarvon Street	375	
	Purchase of Properties from Eastland Properties Ltd	159	
	** include additional rows if needed*		
	All other projects or programmes - atypical expenditure	–	
	Atypical expenditure		552
	Expenditure on non-network assets		766

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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	1,270	
9	Vegetation management	1,068	
10	Routine and corrective maintenance and inspection	918	
11	Asset replacement and renewal	1,556	
12	**Network opex**		4,813
13	System operations and network support	1,710	
14	Business support	3,399	
15	**Non-network opex**		5,109
16			
17	**Operational expenditure**		9,922
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		207
23	** Direct billing expenditure by suppliers that directly bill the majority of their consumers*		

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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				
7	**7(i): Revenue**	**Target ($000) [1]**	**Actual ($000)**	**% variance**
8	Line charge revenue	36,451	36,850	1%
9	**7(ii): Expenditure on Assets**	**Forecast ($000) [2]**	**Actual ($000)**	**% variance**
10	Consumer connection	112	78	(30%)
11	System growth	1,104	615	(44%)
12	Asset replacement and renewal	9,199	6,077	(34%)
13	Asset relocations	50	–	(100%)
14	Reliability, safety and environment:			
15	Quality of supply	206	134	(35%)
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	541	357	(34%)
18	**Total reliability, safety and environment**	747	491	(34%)
19	**Expenditure on network assets**	11,212	7,261	(35%)
20	Expenditure on non-network assets	1,400	766	(45%)
21	Expenditure on assets	12,612	8,027	(36%)
22	**7(iii): Operational Expenditure**			
23	Service interruptions and emergencies	1,270	1,270	(0%)
24	Vegetation management	1,015	1,068	5%
25	Routine and corrective maintenance and inspection	1,614	918	(43%)
26	Asset replacement and renewal	2,010	1,556	(23%)
27	**Network opex**	5,909	4,813	(19%)
28	System operations and network support	1,549	1,710	10%
29	Business support	3,677	3,399	(8%)
30	**Non-network opex**	5,227	5,109	(2%)
31	**Operational expenditure**	11,136	9,922	(11%)
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	177	207	17%
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 2018**
Network / Sub-Network Name	

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

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)	Fixed	Variable Uncontrolled	Variable Controlled	Variable Night (Mass Market)	Variable Evening Peak (TOU)	Variable Morning Peak (TOU)	Variable Off Peak (TOU)	Variable Night (TOU)
Price component												
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)					Days	kWh	kWh	kWh	kWh	kWh	kWh	kWh
PDH0030	Domestic	Standard	13,821	83,426	5,044,665	60,646,178	22,766,764	12,720				
PDL0030	Domestic	Standard	5,687	36,240	2,075,755	27,379,752	8,827,818	32,520				
PNH0003	Non-Domestic, High density	Standard	134	651	48,910	650,588	104					
PNH0030	Non-Domestic, High density	Standard	1,668	21,742	608,820	20,609,674	1,098,891	33,082				
PNH0100	Non-Domestic, High density	Standard	282	20,286	102,930	19,750,305	322,624	213,151				
PNH0300	Non-Domestic, High density	Standard	69	14,548	25,185	14,544,902	3,395	–				
PTH0300	Non-Domestic, High density	Standard	7	2,600	2,555				457,211	669,847	859,664	613,005
PNH0500	Non-Domestic, High density	Standard	17	8,231	6,205				1,257,395	2,128,851	2,674,901	2,170,296
PNH1000	Non-Domestic, High density	Standard	22	25,671	8,030				4,355,835	6,080,299	8,041,163	7,193,469
PNH4500	Non-Domestic, High density	Standard	2	11,555	730				1,915,166	2,523,326	3,409,823	3,706,636
PNH6500	Non-Domestic, High density	Standard	1	15,244	365				2,322,507	3,853,119	4,618,811	4,449,823
PNL0003	Non-Domestic, Low density	Standard	122	228	44,530	228,178						
PNL0030	Non-Domestic, Low density	Standard	3,545	18,347	1,293,925	16,835,487	1,464,106	47,199				
PNL0100	Non-Domestic, Low density	Standard	100	4,636	36,500	4,475,504	154,020	6,469				
PNL0300	Non-Domestic, Low density	Standard	20	2,126	7,300	2,126,241						
PTL0300	Non-Domestic, Low density	Standard	1	97	365				935	49,797	44,696	1,380
PNL0500	Non-Domestic, Low density	Standard	4	643	1,460				112,430	151,183	208,791	170,379
PNL1000	Non-Domestic, Low density	Standard	1	1,011	365				161,299	281,036	345,223	223,426
PNL4500	Non-Domestic, Low density	Standard	1	12,201	365				1,974,958	3,029,429	3,910,307	3,286,367
PNL6500	Non-Domestic, Low density	Standard	–	–	–							
PNG0500	Generation	Standard	–	–	–							
PNG1000	Generation (Gensets)	Standard	6	–	2,190							
PNG4500	Generation	Standard	1	–	365							
PNG6500	Generation (Waihi)	Standard	1	–	365							
Power Factor Charges	All Customers (If Required)	Standard	–	–	–							
		[Select one]										

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

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

Standard consumer totals	25,512	279,482	9,311,880	167,246,809	34,637,722	345,141	12,557,736	18,766,887	24,113,379	21,814,781
Non-standard consumer totals	–	–	–	–	–	–	–	–	–	–
Total for all consumers	25,512	279,482	9,311,880	167,246,809	34,637,722	345,141	12,557,736	18,766,887	24,113,379	21,814,781

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
Network / Sub-Network Name	

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)	Rate (eg, $ per day, $ per kWh, etc.)	Line charge revenues ($000) by 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)	*Add extra columns for additional line charge revenues by price component as necessary*
							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)	
							$ per day	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh		
PDH0030	Domestic	Standard	$12,722		$9,112	$3,610		$782	$9,989	$1,951	$0	–	–	–	–	
PDL0030	Domestic	Standard	$6,525		$4,657	$1,868		$336	$5,271	$918	$1	–	–	–	–	
PNH0003	Non-Domestic, High density	Standard	$120		$77	$44		$22	$99	$0	–	–	–	–	–	
PNH0030	Non-Domestic, High density	Standard	$3,773		$2,469	$1,304		$1,447	$2,247	$78	$1	–	–	–	–	
PNH0100	Non-Domestic, High density	Standard	$2,234		$1,427	$808		$741	$1,474	$16	$4	–	–	–	–	
PNH0300	Non-Domestic, High density	Standard	$1,252		$807	$445		$369	$883	$0	–	–	–	–	–	
PTH0300	Non-Domestic, High density	Standard	$171		$112	$59		$62	–	–	–	$26	$35	$35	$13	
PNH0500	Non-Domestic, High density	Standard	$508		$333	$175		$169	–	–	–	$71	$112	$110	$46	
PNH1000	Non-Domestic, High density	Standard	$1,391		$907	$484		$342	–	–	–	$245	$320	$331	$153	
PNH4500	Non-Domestic, High density	Standard	$537		$348	$189		$77	–	–	–	$108	$133	$140	$79	
PNH6500	Non-Domestic, High density	Standard	$677		$438	$239		$59	–	–	–	$131	$203	$190	$95	
PNL0003	Non-Domestic, Low density	Standard	$60		$38	$21		$20	$40	–	–	–	–	–	–	
PNL0030	Non-Domestic, Low density	Standard	$5,131		$3,435	$1,696		$3,100	$1,921	$109	$1	–	–	–	–	
PNL0100	Non-Domestic, Low density	Standard	$660		$423	$237		$264	$387	$9	$0	–	–	–	–	
PNL0300	Non-Domestic, Low density	Standard	$253		$164	$89		$106	$147	–	–	–	–	–	–	
PTL0300	Non-Domestic, Low density	Standard	$14		$9	$5		$9	–	–	–	$0	$3	$2	$0	
PNL0500	Non-Domestic, Low density	Standard	$68		$45	$23		$40	–	–	–	$7	$8	$9	$4	
PNL1000	Non-Domestic, Low density	Standard	$60		$39	$21		$15	–	–	–	$9	$15	$15	$5	
PNL4500	Non-Domestic, Low density	Standard	$566		$364	$202		$39	–	–	–	$116	$167	$169	$75	
PNL6500	Non-Domestic, Low density	Standard	–		–	–		–	–	–	–	–	–	–	–	
PNG0500	Generation	Standard	–		–	–		–	–	–	–	–	–	–	–	
PNG1000	Generation (Gensets)	Standard	$63		$63	–		$63	–	–	–	–	–	–	–	
PNG4500	Generation	Standard	$26		$26	–		$26	–	–	–	–	–	–	–	
PNG6500	Generation (Waihi)	Standard	$39		$39	–		$39	–	–	–	–	–	–	–	
Power Factor Charges	All Customers (If Required)	Standard	–		–	–		–	–	–	–	–	–	–	–	
		[Select one]	–													

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

Standard consumer totals	$36,850	–	$25,331	$11,519	$8,125	$22,458	$3,080	$7	$711	$996	$1,003	$471
Non-standard consumer totals	–	–	–	–	–	–	–	–	–	–	–	–
Total for all consumers	$36,850	–	$25,331	$11,519	$8,125	$22,458	$3,080	$7	$711	$996	$1,003	$471

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end	7	**Check**	**Error**

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
Network / Sub-network Name	**Eastland Network Ltd - 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.	15752	16003	251	1
10	All	Overhead Line	Wood poles	No.	18564	18284	(280)	1
11	All	Overhead Line	Other pole types	No.	–	–	–	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	335.96134331904	336.16996710271	0	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	307.06902518572	307.06912518574	0	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1.409861	1.409861	–	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.	26	26	–	1
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	3	3	–	1
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	45	49	4	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.	100	98	(2)	1
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	7	6	(1)	1
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	51	51	–	1
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2396.4490096797	2393.1768319984	(3)	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	4
37	HV	Distribution Line	SWER conductor	km	0.7193	0.7193	–	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	30.835571	32.967079	2	1
39	HV	Distribution Cable	Distribution UG PILC	km	103.775183	103.290225	(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.	49	48	(1)	1
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	22	24	2	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	4318	4367	49	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	80	75	(5)	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	259	259	–	1
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3032	3018	(14)	1
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	574	576	2	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	514.49411642071	511.14682102811	(3)	1
51	LV	LV Cable	LV UG Cable	km	262.614634	266.177008	4	1
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	21.234367	21.728603	0	1
53	LV	Connections	OH/UG consumer service connections	No.	31370	31675	305	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	203	225	22	1
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	792	791	(1)	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	15632	15669	37	1
59	All	Civils	Cable Tunnels	km	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
Network / Sub-network Name	**Eastland Network Ltd - 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

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.	12610	12727	117	1
10	All	Overhead Line	Wood poles	No.	14153	14003	(150)	1
11	All	Overhead Line	Other pole types	No.	–	–	–	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	269.3007323190	269.4867561027	0	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	180.381466569	180.381566569	0	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1.344625	1.344625	–	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.	3	3	–	1
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	43	44	1	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	84	(2)	1
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	5	4	(1)	1
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	32	32	–	1
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1714.704024679	1713.112340998	(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	27.576373	28.327613	1	1
39	HV	Distribution Cable	Distribution UG PILC	km	88.246229	–	(88)	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	24	2	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2991	3025	34	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	62	59	(3)	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	213	218	5	1
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	2086	2067	(19)	1
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	454	457	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	380.0455184207	377.0659230281	(3)	1
51	LV	LV Cable	LV UG Cable	km	213.063602	216.0966	3	1
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	20.562847	20.902973	0	1
53	LV	Connections	OH/UG consumer service connections	No.	25014	24934	(80)	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	166	181	15	1
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	637	625	(12)	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	15455	15484	29	1
59	All	Civils	Cable Tunnels	km	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
Network / Sub-network Name	**Eastland Network Ltd - 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.	2,833	3,276	443	1
10	All	Overhead Line	Wood poles	No.	4,222	4,281	59	1
11	All	Overhead Line	Other pole types	No.	–	–	–	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	67	67	0	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.	12	12	–	1
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	1
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	1	5	4	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.	14	14	–	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.	19	19	–	1
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	680	680	0	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	4
37	HV	Distribution Line	SWER conductor	km	1	1	–	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	5	5	(1)	1
39	HV	Distribution Cable	Distribution UG PILC	km	16	103	88	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	26	(1)	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.	1,325	1,342	17	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	10	16	6	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	47	41	(6)	1
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	940	951	11	1
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	116	119	3	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	132	134	2	1
51	LV	LV Cable	LV UG Cable	km	51	50	(1)	1
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1	1	0	1
53	LV	Connections	OH/UG consumer service connections	No.	6,242	6,741	499	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	37	44	7	1
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	198	166	(32)	1
56	All	Capacitor Banks	Capacitors including controls	No	–	1	1	3
57	All	Load Control	Centralised plant	Lot	3	3	–	1
58	All	Load Control	Relays	No	196	185	(11)	1
59	All	Civils	Cable Tunnels	km	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
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 2018																														
					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**	**2017**	**2018**	**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	85	250	1,834	3,193	2,845	497	1,394	780	239	270	368	238	223	388	409	424	420	440	359	379	391	269	228	72	7	16,003	–	1
11	All	Overhead Line	Wood poles	No.	16	107	2,455	5,126	1,875	1,516	2,743	431	845	239	131	182	155	171	186	283	264	229	210	187	209	149	202	198	117	53	5	18,284	–	1
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	72	116	71	37	6	7	4	3	11	–	5	4	0	0	–	–	–	–	0	–	0	0	–	–	(0)	336	–	1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	17	86	61	111	30	0	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	0	–	307	–	1
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	–	–	–	–	0	–	–	–	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	6	–	2	–	1	1	–	1	1	–	–	–	–	–	–	–	10	–	–	–	–	26	–	1
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	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	8	9	4	2	3	6	1	–	1	2	1	–	4	2	2	1	–	–	–	–	–	–	49	–	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	7	5	18	6	4	–	7	–	–	–	–	–	–	12	–	–	–	–	–	–	98	–	1
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	4	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6	–	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	528	886	348	204	173	11	7	11	4	8	9	7	9	3	1	4	3	2	4	2	8	4	6	0	–	2,393	–	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	1	3	6	6	0	1	0	0	0	1	2	1	2	0	1	1	0	0	0	1	2	1	1	–	33	–	1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	1	8	12	28	24	2	5	4	2	1	2	2	3	2	2	1	1	0	1	0	0	1	1	0	–	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	4	9	17	11	1	–	1	–	1	–	–	1	–	–	–	–	–	–	–	2	–	–	–	48	–	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	7	–	–	2	–	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	–	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	226	829	717	436	464	55	122	138	131	119	84	111	94	82	113	108	104	66	75	94	102	54	38	5	–	4,367	–	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	–	3	7	14	8	17	6	9	1	–	5	4	–	–	1	–	–	–	–	–	–	–	–	–	75	–	1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	1	3	7	60	13	38	16	14	8	6	13	11	8	3	6	8	5	7	6	11	14	1	–	–	259	–	1
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	88	602	490	347	396	51	99	60	98	94	71	83	46	45	62	61	57	50	68	50	46	27	27	–	–	3,018	–	1
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	11	49	42	34	40	25	55	24	29	33	25	22	29	16	14	23	17	22	18	18	10	14	6	–	–	576	–	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	112	165	69	53	50	2	7	4	1	2	0	0	1	1	0	0	0	0	0	0	1	0	0	–	–	511	–	1
52	LV	LV Cable	LV UG Cable	km	0	0	3	21	42	63	38	8	16	14	8	5	5	4	7	6	5	2	3	3	3	1	2	2	3	0	–	266	–	1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	1	1	2	6	6	0	2	1	1	0	0	0	1	0	–	–	0	0	0	0	0	0	0	–	–	22	–	1
54	LV	Connections	OH/UG consumer service connections	No.	–	71	1,680	6,573	5,573	6,374	5,492	414	697	757	751	537	382	415	382	385	254	107	115	95	118	99	118	120	129	37	–	31,675	–	1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	9	25	27	9	25	3	8	7	6	10	10	2	–	–	2	–	23	4	12	22	8	13	–	225	–	1
56	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	–	–	–	1	–	17	101	45	44	25	38	31	36	17	11	13	15	14	10	13	20	150	131	15	29	15	–	791	–	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	–	138	136	736	943	979	425	718	549	873	31	59	29	57	42	29	48	48	9	4	–	9,810	15,669	–	1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
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 2018																														
					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**	**2017**	**2018**	**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	41	1,414	2,270	2,662	350	1,020	573	155	192	300	185	193	330	358	411	410	432	330	357	345	237	115	23	1	12,727	–	1
11	All	Overhead Line	Wood poles	No.	1	26	1,510	4,534	1,420	1,157	2,144	134	594	176	88	121	101	100	125	266	172	218	189	161	167	133	185	190	76	10	5	14,003	–	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	0	–	0	–	269	–	1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	17	29	61	49	23	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	0	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	–	–	–	–	–	–	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	9	2	2	3	6	1	–	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	7	5	18	6	4	–	4	–	–	–	–	–	–	12	–	–	–	–	–	–	84	–	1
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4	–	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	700	305	141	168	11	5	7	2	2	6	4	3	2	1	4	3	2	3	1	7	3	5	0	–	1,713	–	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	2	1	0	0	28	–	1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	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	8	10	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	22	–	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	7	–	–	2	–	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	–	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	204	495	476	265	315	41	96	95	81	71	63	80	72	63	90	94	77	50	50	83	86	48	27	3	–	3,025	–	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	–	3	3	14	8	13	6	7	1	–	1	2	–	–	1	–	–	–	–	–	–	–	–	–	59	–	1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	1	2	1	53	13	31	16	9	6	6	9	8	8	3	5	8	3	6	6	11	12	1	–	–	218	–	1
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	80	335	337	231	276	40	79	42	63	56	52	64	40	35	56	49	44	38	45	42	34	15	14	–	–	2,067	–	1
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	11	32	34	24	31	23	50	21	22	26	16	16	20	14	13	20	17	16	11	13	9	14	4	–	–	457	–	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	70	135	60	44	48	1	7	4	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	–	0	377	–	1
52	LV	LV Cable	LV UG Cable	km	–	–	1	17	31	47	31	7	16	14	7	4	4	3	5	5	5	2	3	3	3	1	2	2	3	0	0	216	–	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	–	–	0	21	–	1
54	LV	Connections	OH/UG consumer service connections	No.	–	71	1,664	4,812	4,483	4,908	4,675	342	614	590	383	358	302	356	321	327	228	102	111	84	112	91	–	–	–	–	–	24,934	–	1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	9	15	26	9	18	3	7	7	3	10	9	2	–	–	1	–	23	4	2	19	8	6	–	181	–	1
56	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	–	–	–	1	–	17	82	32	20	21	30	30	16	17	10	10	13	14	8	9	18	133	106	15	17	6	–	625	–	1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1
58	All	Load Control	Centralised plant	Lot	–	–	–	–	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5	–	1
59	All	Load Control	Relays	No	5	–	–	–	1	–	136	136	731	939	965	412	710	540	869	31	59	29	56	42	28	48	47	9	4	–	9,687	15,484	–	1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
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 2018																														
									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**	**2017**	**2018**	**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.	–	–	63	209	420	923	183	147	374	207	84	78	68	53	30	58	51	13	10	8	29	22	46	32	113	49	6	3,276	–	1
11	All	Overhead Line	Wood poles	No.	15	81	945	592	455	359	599	297	251	63	43	61	54	71	61	17	92	11	21	26	42	16	17	8	41	43	–	4,281	–	1
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	–	–	34	32	–	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	(0)	(0)	67	–	1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	–	0	57	–	63	7	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	(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.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	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	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5	–	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	80	206	186	43	62	5	(0)	3	3	2	6	3	2	6	1	–	1	(0)	0	1	0	1	1	1	0	–	680	–	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	0	1	(0)	5	–	1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	1	8	12	28	24	2	5	4	2	1	2	2	3	2	2	1	1	0	1	0	0	1	1	0	–	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.	–	–	–	–	4	8	9	1	1	–	–	–	1	–	–	1	–	–	–	–	–	–	–	1	–	–	–	26	–	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.	–	–	22	334	241	171	149	14	26	43	50	48	21	31	22	19	23	14	27	16	25	11	16	6	11	2	–	1,342	–	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	–	–	4	–	–	4	–	2	–	–	4	2	–	–	–	–	–	–	–	–	–	–	–	–	16	–	1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	–	1	6	7	–	7	–	5	2	–	4	3	–	–	1	–	2	1	–	–	2	–	–	–	41	–	1
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	8	267	153	116	120	11	20	18	35	38	19	19	6	10	6	12	13	12	23	8	12	12	13	–	–	951	–	1
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	–	17	8	10	9	2	5	3	7	7	9	6	9	2	1	3	–	6	7	5	1	–	2	–	–	119	–	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	42	30	9	9	2	1	0	0	0	1	0	0	0	–	–	0	–	–	–	–	0	1	0	0	–	(0)	134	–	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	0	0	0	(0)	50	–	1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	–	0	0	0	–	–	0	–	0	–	0	0	–	0	–	–	–	–	–	–	–	–	0	–	(0)	1	–	1
54	LV	Connections	OH/UG consumer service connections	No.	–	–	16	1,761	1,090	1,466	817	72	83	167	368	179	80	59	61	58	26	5	4	11	6	8	118	120	129	37	–	6,741	–	1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	–	10	1	–	7	–	1	–	3	–	1	–	–	–	1	–	–	–	10	3	–	7	–	44	–	1
56	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	–	–	–	–	–	–	19	13	24	4	8	1	20	–	1	3	2	–	2	4	2	17	25	–	12	9	–	166	–	1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
58	All	Load Control	Centralised plant	Lot	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	3	–	1
59	All	Load Control	Relays	No	–	–	–	–	–	–	2	–	5	4	14	13	8	9	4	–	–	–	1	–	1	–	1	–	–	–	123	185	–	1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
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

		Overhead (km)	Underground (km)	Total circuit length (km)
10	**Circuit length by operating voltage (at year end)**			
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)	2,393	136	2,530
17	Low voltage (< 1kV)	511	266	777
18	**Total circuit length (for supply)**	3,547	404	3,951
19				
20	Dedicated street lighting circuit length (km)	13	9	22
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			1,000
22				

		Circuit length (km)	(% of total overhead length)
23	**Overhead circuit length by terrain (at year end)**		
24	Urban	189	5%
25	Rural	1,712	48%
26	Remote only	375	11%
27	Rugged only	990	28%
28	Remote and rugged	280	8%
29	Unallocated overhead lines	–	–
30	**Total overhead length**	3,547	100%
31			

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

		Circuit length (km)	(% of total overhead length)
34			
35	Overhead circuit requiring vegetation management	3,547	100%

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
Network / Sub-network Name	**Eastland Network Limited - GIS**

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

		Overhead (km)	Underground (km)	Total circuit length (km)
10	**Circuit length by operating voltage (at year end)**			
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)	1,713	116	1,829
17	Low voltage (< 1kV)	377	216	593
18	**Total circuit length (for supply)**	2,539	333	2,872
19				
20	Dedicated street lighting circuit length (km)	13	8	21
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			700

		Circuit length (km)	(% of total overhead length)
22			
23	**Overhead circuit length by terrain (at year end)**		
24	Urban	166	7%
25	Rural	1,349	53%
26	Remote only	292	11%
27	Rugged only	616	24%
28	Remote and rugged	116	5%
29	Unallocated overhead lines	–	–
30	**Total overhead length**	2,539	100%

		Circuit length (km)	(% of total circuit length)
31			
32			
33	Length of circuit within 10km of coastline or geothermal areas (where known)		–

		Circuit length (km)	(% of total overhead length)
34			
35	Overhead circuit requiring vegetation management	2,539	100%

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
Network / Sub-network Name	**Eastland Network Limited - WRA**

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

		Overhead (km)	Underground (km)	Total circuit length (km)
10	**Circuit length by operating voltage (at year end)**			
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)	680	20	700
17	Low voltage (< 1kV)	134	50	184
18	**Total circuit length (for supply)**	1,008	70	1,078
19				
20	Dedicated street lighting circuit length (km)	0	0	1
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			300
22				

		Circuit length (km)	(% of total overhead length)
23	**Overhead circuit length by terrain (at year end)**		
24	Urban	23	2%
25	Rural	363	36%
26	Remote only	84	8%
27	Rugged only	374	37%
28	Remote and rugged	164	16%
29	Unallocated overhead lines	–	–
30	**Total overhead length**	1,008	100%
31			

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

		Circuit length (km)	(% of total overhead length)
34			
35	Overhead circuit requiring vegetation management	1,008	100%

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**

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			

26 ** 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 2018**
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	19,447
Commercial	5,944
Large Commercial	59
Industrial	5
[EDB consumer type]	–

** include additional rows if needed*

Connections total 25,455

Distributed generation

Number of connections made in year	74	**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	58	
plus	Distributed generation output at HV and above	0	
	Maximum coincident system demand	59	
less	Net transfers to (from) other EDBs at HV and above		
	Demand on system for supply to consumers' connection points	59	

		Energy (GWh)	
Electricity volumes carried			
	Electricity supplied from GXPs	308.28	
less	Electricity exports to GXPs	–	
plus	Electricity supplied from distributed generation	0.40	
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	9.5%
	Load factor	0.60	

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	215
Distribution transformer capacity (Non-EDB owned, estimated)	48
Total distribution transformer capacity	263
Zone substation transformer capacity	330

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
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	16,286
Commercial	4,320
Large Commercial	47
Industrial	4
[EDB consumer type]	–

** include additional rows if needed*

Connections total 20,657

Distributed generation

Number of connections made in year	70	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	50	
plus	Distributed generation output at HV and above	–	
	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	256	
less	Electricity exports to GXPs	–	
plus	Electricity supplied from distributed generation	–	
less	Net electricity supplied to (from) other EDBs	–	
	Electricity entering system for supply to consumers' connection points	256	
less	Total energy delivered to ICPs	233	
	Electricity losses (loss ratio)	23	9.0%
	Load factor	0.58	

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	175
Distribution transformer capacity (Non-EDB owned, estimated)	39
Total distribution transformer capacity	214
Zone substation transformer capacity	272

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
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	3,161
Commercial	1,624
Large Commercial	12
Industrial	1
[EDB consumer type]	–

** include additional rows if needed*

Connections total 4,798

Distributed generation

Number of connections made in year	4	**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	8	
plus	Distributed generation output at HV and above	–	
	Maximum coincident system demand	8	
less	Net transfers to (from) other EDBs at HV and above		
	Demand on system for supply to consumers' connection points	8	

		Energy (GWh)	
Electricity volumes carried			
	Electricity supplied from GXPs	52	
less	Electricity exports to GXPs	–	
plus	Electricity supplied from distributed generation		
less	Net electricity supplied to (from) other EDBs	–	
	Electricity entering system for supply to consumers' connection points	52	
less	Total energy delivered to ICPs	47	
	Electricity losses (loss ratio)	5	10.4%

Load factor 0.77

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	40
Distribution transformer capacity (Non-EDB owned, estimated)	9
Total distribution transformer capacity	49
Zone substation transformer capacity	58

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
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)	–
11	Class B (planned interruptions on the network)	148
12	Class C (unplanned interruptions on the network)	321
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)	2
19	**Total**	471

Interruption restoration

		≤3Hrs	>3hrs
22	Class C interruptions restored within	197	124

SAIFI and SAIDI by class

		SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	0.31	41.78
27	Class C (unplanned interruptions on the network)	3.18	370.13
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**	3.49	411.9

Normalised SAIFI and SAIDI

		Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	3.02	239.77

Quality path normalised reliability limit

		SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*	3.77	285.78

** not applicable to exempt EDBs*

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
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	0.29	6.47
Vegetation	0.56	107.70
Adverse weather	0.41	155.60
Adverse environment	0.00	0.84
Third party interference	0.43	23.95
Wildlife	0.43	12.54
Human error	0.01	0.39
Defective equipment	0.58	46.81
Cause unknown	0.46	15.83

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.01	1.22
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.27	37.66
Distribution cables (excluding LV)	0.03	2.89
Distribution other (excluding LV)	–	–

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.67	49.84
Subtransmission cables	0.17	2.07
Subtransmission other	–	–
Distribution lines (excluding LV)	2.18	311.12
Distribution cables (excluding LV)	0.16	7.10
Distribution other (excluding LV)	–	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	8	641	1.25
Subtransmission cables	1	1	70.93
Subtransmission other	–		
Distribution lines (excluding LV)	299	2,395	12.49
Distribution cables (excluding LV)	13	135	9.61
Distribution other (excluding LV)	–		
Total	321		

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
Network / Sub-network Name	**Eastland Network Limited/GIS**

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

	Number of interruptions
Interruptions by class	
Class A (planned interruptions by Transpower)	–
Class B (planned interruptions on the network)	105
Class C (unplanned interruptions on the network)	240
Class D (unplanned interruptions by Transpower)	–
Class E (unplanned interruptions of EDB owned generation)	–
Class F (unplanned interruptions of generation owned by others)	–
Class G (unplanned interruptions caused by another disclosing entity)	–
Class H (planned interruptions caused by another disclosing entity)	–
Class I (interruptions caused by parties not included above)	1
Total	346

Interruption restoration	≤3Hrs	>3hrs
Class C interruptions restored within	146	94

SAIFI and SAIDI by class	SAIFI	SAIDI
Class A (planned interruptions by Transpower)	–	–
Class B (planned interruptions on the network)	0.27	34.82
Class C (unplanned interruptions on the network)	3.25	321.45
Class D (unplanned interruptions by Transpower)	–	–
Class E (unplanned interruptions of EDB owned generation)	–	–
Class F (unplanned interruptions of generation owned by others)	–	–
Class G (unplanned interruptions caused by another disclosing entity)	–	–
Class H (planned interruptions caused by another disclosing entity)	–	–
Class I (interruptions caused by parties not included above)	0.00	–
Total	3.53	356.3

Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
Classes B & C (interruptions on the network)	2.68	203.95

Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A

** not applicable to exempt EDBs*

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

Cause	SAIFI	SAIDI
Lightning	0.32	4.29
Vegetation	0.53	70.78
Adverse weather	0.35	163.54
Adverse environment	–	–
Third party interference	0.50	27.45
Wildlife	0.52	13.20
Human error	0.01	0.48
Defective equipment	0.53	25.17
Cause unknown	0.50	16.54

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.01	1.50
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.23	29.88
Distribution cables (excluding LV)	0.03	3.45
Distribution other (excluding LV)	–	–

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

	Main equipment involved	SAIFI	SAIDI
Subtransmission lines		0.82	61.41
Subtransmission cables		0.21	2.55
Subtransmission other		–	–
Distribution lines (excluding LV)		2.04	250.86
Distribution cables (excluding LV)		0.18	6.63
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	448	1.56
Subtransmission cables	1	1	74.37
Subtransmission other	–		
Distribution lines (excluding LV)	220	1,714	12.84
Distribution cables (excluding LV)	12	116	10.36
Distribution other (excluding LV)	–		
Total	240		

Company Name	**Eastland Network Limited**
For Year Ended	**31 March 2018**
Network / Sub-network Name	**Eastland Network Limited/WRA**

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

	Number of interruptions
Interruptions by class	
Class A (planned interruptions by Transpower)	–
Class B (planned interruptions on the network)	43
Class C (unplanned interruptions on the network)	81
Class D (unplanned interruptions by Transpower)	–
Class E (unplanned interruptions of EDB owned generation)	–
Class F (unplanned interruptions of generation owned by others)	–
Class G (unplanned interruptions caused by another disclosing entity)	–
Class H (planned interruptions caused by another disclosing entity)	–
Class I (interruptions caused by parties not included above)	1
Total	125

Interruption restoration	≤3Hrs	>3hrs
Class C interruptions restored within	51	30

SAIFI and SAIDI by class	SAIFI	SAIDI
Class A (planned interruptions by Transpower)	–	–
Class B (planned interruptions on the network)	0.47	71.73
Class C (unplanned interruptions on the network)	2.83	579.89
Class D (unplanned interruptions by Transpower)	–	–
Class E (unplanned interruptions of EDB owned generation)	–	–
Class F (unplanned interruptions of generation owned by others)	–	–
Class G (unplanned interruptions caused by another disclosing entity)	–	–
Class H (planned interruptions caused by another disclosing entity)	–	–
Class I (interruptions caused by parties not included above)	0.00	0.22
Total	3.30	651.8

Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
Classes B & C (interruptions on the network)	2.99	301.74

Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A

** not applicable to exempt EDBs*

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

Cause	SAIFI	SAIDI
Lightning	0.16	15.87
Vegetation	0.71	266.79
Adverse weather	0.69	121.35
Adverse environment	0.03	4.46
Third party interference	0.10	8.88
Wildlife	0.06	9.70
Human error	–	–
Defective equipment	0.78	140.05
Cause unknown	0.30	12.80

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	–	–
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.46	71.22
Distribution cables (excluding LV)	0.00	0.52
Distribution other (excluding LV)	–	–

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

	Main equipment involved	SAIFI	SAIDI
Subtransmission lines	–	–
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	2.76	570.79
Distribution cables (excluding LV)	0.07	9.10
Distribution other (excluding LV)	–	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	1	193	0.52
Subtransmission cables	–	0	–
Subtransmission other	–		
Distribution lines (excluding LV)	79	681	11.60
Distribution cables (excluding LV)	1	19	5.14
Distribution other (excluding LV)	–		
Total	81		

Company Name Eastland Network

For Year Ended 31 March 2018

Schedule 14 Mandatory Explanatory Notes

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)

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 2.5.2.

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 clause 2.7.1(2).

Box 1: Explanatory comment on return on investment
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 regulatory line income' other than gains and losses on asset sales, as disclosed in 3(i) of Schedule 3

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

Box 2: Explanatory comment on regulatory profit

Other Income consists of

- An administration fee for loss rental rebates $55k
- Pole rental from chorus $39k
- New connection fees $19k
- Compensation receipts for debt being paid over time for damage to network assets $13k
- Rental Income $124K
- Recovery of costs from Eastland Generation for services provided by Eastland Network staff $275k
- The remaining $22k relates to various minor items.

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 clause 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 clause 2.7.1(2).

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

Depreciation is lower than last year as a result of

a) Depreciation being high last year. In 2017 the RAB asset register was rebuilt and many asset lives changed which caused an blip in depreciation as end of life assets were fully depreciated. Consequently, in 2018, the level of depreciation is a result of the more accurate life data now in the RAB.

b) Reversal of an error in the remaining useful lives of two assets in 2017. During 2017 when determining the remaining useful life of the newly rebuilt RAB dataset, the installation date was incorrect for two larger value assets. These assets were therefore determined to be at the end of their useful lives but in fact had 36 years of useful life. The net effect of this for the current year is a write-back of depreciation of -$260K and a corresponding increase in the closing RAB.

As a result of on-going data quality checks, there have been a number of asset category transfers. The net result of this is included in schedule 4(vii) and repeated below:

Subtransmission lines (3k)
Zone substations (73k)
Distribution substations & transformers (20)
Distribution switchgear 93K
Non-network assets 3k

There have been no further reclassifications of assets.

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

8. In the box below, provide descriptions and workings of the following items, as recorded in the asterisked categories in 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

Permanent difference relate to Non-deductible entertainment expenses.

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

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

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

Temporary Differences total ($34k) and equate to a ($9k) tax effect.

Net employee provisions	($11k)
Doubtful debt provisions	($23k)

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 clause 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. The operational and capital expenditure incurred by Eastland Network from Eastech made up only 8.31% of total operational and capital expenditure spend.

Eastland Network provides technical support such as engineering and project management services to Eastland Generation Ltd for generation assets used to provide network support. Costs incurred by the network in the provision of such services have been allocated to Eastland Generation under the Cost Allocation rules using ACAM.

Revenue of $275k received from Eastland generation for the provision of these services has been included in Other Revenue.

Avoided costs of transmission are paid to Eastland Generation for reducing the RCPD charges from Transpower in accordance with the requirements under the Distributed Generation Pricing Principles in Part 6 of the Electricity Industry Participation Code.

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 in Part 6 of the Electricity Industry Participation Code.

In 2018, Eastland Network acquired 2 properties from Eastland Investment Properties Limited for $159k.

As required the Directors have certified in schedule 18, the related party transactions that have been valued under clause 2.3.6(1)(f) of the Information Disclosure Determination 2012 – (consolidated in 2015).

There are no other related party transactions beyond those disclosed in schedule 5b.

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 clause 2.7.1(2).

Box 8: Cost allocation

In previous years, Eastland has disclosed costs allocated from Eastland Group Ltd to Eastland Network for shared services. Eastland Network no longer considers that disclosure of these costs is required under the current determination as the costs are a payment for services received rather than an allocation of costs away from the regulated business.

Eastland Network Limited provides engineering, asset management and administration services to Eastland Generation Limited for distributed generation assets in the Eastland Network region. Costs for these services from Eastland Network are allocated to Eastland Generation using ACAM.

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 clause 2.7.1(2).

Box 9: Commentary on asset allocation

Eastland has applied ACAM to allocate not directly attributable assets. These assets include land, buildings and Solar PV assets.

Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on capital expenditure 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 clause 2.7.1(2),

Box 10: Explanation of capital expenditure for the disclosure year

The majority of capex expenditure is spent on Asset replacement and renewal which is to be expected of a low growth region.

Major expenditure projects for **asset replacement and renewal** were for:-

110KV assets**:** Interphase spacers to reduce the incidence and risk of line clashes, Pole Replacement, Insulator Replacement and Grillage/Foundation replacement. The Tuai 110/11kv transformer replacement project also commenced during the year.

Distribution assets: Expenditure in this category is mostly on pole replacements across the network.

System Growth

The small amount spent on system growth relates to either upgrades or extensions as requested by customers.

There is no materiality threshold applied to the schedule.

There are no items reclassified during the year.

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 operating expenditure, as reported in 6b(i) of Schedule 6b;

    14.2 information on reclassified items in accordance with clause 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

Asset replacement and renewal expenditure relates to replacement of components on poles/lines that are not capital in nature eg replace a cross arm or arm brace and also includes maintenance items such as transformer painting, oil changes of equipment etc.

There have been no reclassified items 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 clause 2.7.1(2).

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

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

CAPITAL EXPENDITURE

Customer Connections variance (-$34k)

This variance against this unplanned/customer driven expenditure category is not considered material.

System Growth variances (-$489k)

The target for unplanned growth requirements, particularly unplanned upgrades to existing transformers as a result of consumer initiated growth, was less than anticipated, (-$178k). The planned Mahia subtransmission line extension and substation upgrade, (-$457k), was deferred as negotiations over required private land easements have not been completed.

Asset Replacement and Renewal variances (-$3.122m)

$1.7m of the variance relates to 3 subtransmission transformer replacement that was only partially completed in the 2017/18 year due to a manufacturer delay in delivery. The remainder of the budget for the project is continued in the 2018/19 year along with the midlife refurbishment of another transformer.

On-going issues regarding the lack of suitable field service resources to carry out projects was responsible for the deferral and or scaling back of a number of Asset Replacement and Renewal projects. This resulted in $989k of actual versus budget variance for this expenditure category.

The field service resources availability issue was exacerbated last year in that Eastland's primary contractor underwent a change of owner and a subsequent organisational restructure. Eastland continues to work closely with this contractor and other contractors who are not based in the area, to address issues relating to the right sizing of field service resources to meet the requirements of identified projects and associated budgets.

Asset Relocation variance (-$50k)

This forecast item is to primarily address unplanned requests made by the local body and territorial authorities to relocate assets. The forecast number is based on past request and historical spend. There were no requests during the 2017/18 year.

Reliability, Safety and Environment (-$256k)

a) Quality of Supply, (-$72k)

This variance relates to two projects, ($32k to develop an alternate control room and $30k Generator set site establishment at Raupunga and Ruakituri locations), the latter were required to be deferred pending finalisation of land access negotiations and the granting of

resource consents.

b) Other (-$184k)

As with part of the variance associated with Asset Replacement and Renewal projects and budget, this variance is a direct result of projects having to be deferred because of a lack of suitable field service resources.

Non- network Assets (-$634k)

a) Typical, (-$162k)

This variance relates to budget/provision in relation to replacement of vehicles and general asset replacement.

b) Atypical, (-$472k)

This variance relates to the deferral of various non-network building projects in Carnarvon Street including the interior refurbishment. The remainder of the variance relates savings associated with a Solar DG trial.

OPERATIONAL EXPENDITURE

Routine and Corrective Maintenance and Inspection (-$696k)

-$423k of variance is in relation to ex-Transpower assets where budgeted activity forecasts were based on information provided by Transpower which Eastland have amended after consideration of our own condition assessments.

-$245k variance in relation to the routine patrolling and maintenance of 11kV overhead lines was a result of the deficit of suitable field service resources/contractors.

Asset Replacement and Renewal (-$454k)

-$317k relates to ACOD being less than forecast. The remainder relates to small variances in planned maintenance on assets.

Vegetation Management ($53k)

This variance is due to more 11kV tree cutting in both Gisborne and Wairoa however is not considered material.

Information relating to revenue 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 clauses 2.4.1 and 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

There is no material difference between target and actual 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

In the 2018 period there were less interruptions than the previous period.

Normalised SAIDI and SAIFI were both well below reliability limits. Normalised SAIDI and SAIFI have been calculated based on the Information Disclosures Determination 2012. This is different to the normalisation calculation for the Annual Compliance Statement under the Default Price Quality Path Determination 2015.

There is a noticeable decrease in third party interference SAIDI and SAIFI numbers due to the effect of the plane crash last period.

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 $70 million.

Eastland Network Limited has no self-insurance cover.

Company Name	Eastland Network Limited
For Year Ended	31 March 2018

Schedule 14a Mandatory Explanatory Notes on Forecast Information

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)

1. This Schedule provides for EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.5.

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 disclosure year, 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 disclosure year, 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 2018

Schedule 14b Mandatory Explanatory Notes on Transitional Financial Information

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)

1. This Schedule provides for EDBs to provide explanatory notes to the transitional financial information disclosed in accordance with clause 2.12.1.

2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.12.1. This information is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.

3. In the box below provide explanatory comment on the tax effect of other temporary differences for the years ending 31 March 2010, 31 March 2011 and 31 March 2012 (as reported in Schedule 5h(vii)).

Box 1: Commentary on tax effect of other temporary differences (years ended 31 March 2010, 31 March 2011, and 31 March 2012)

Not applicable

4. To the extent that any change in regulatory profit and ROI reported for 2013 (compared to that reported for 2012) is attributable to the change in treatment of related party transactions, provide an explanation of the change in the box below.

Box 2: Change in regulatory profit and ROI due to change in treatment of related party transactions

Not applicable

5. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with clause 2.7.1(2) for disclosure years 2011 and 2012.

Box 3: Commentary on asset allocation

Not applicable

Company Name	Eastland Network Limited
For Year Ended	31 March 2018

Schedule 15 Voluntary Explanatory Notes

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)

1. This Schedule enable 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, 2.5.2, and 2.6.5;

   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

Not applicable

Schedule 18 Certification for 2017/18 Year-end Disclosures

Clause 2.9.2

We, Kieran John Devine and Matanuku Mahuika 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: 24 August 2018

Deloitte.

INDEPENDENT ASSURANCE REPORT
TO THE DIRECTORS OF EASTLAND NETWORK LIMITED AND 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 Limited, to provide an opinion, on his 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 2018, 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* 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.

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 his employees, and Deloitte Limited and its partners and 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, Partner
For Deloitte Limited
On behalf of the Auditor-General
Wellington, New Zealand
24 August 2018