



**EDB Information Disclosure Requirements
Information Templates
for
Schedules 1–10**

Company Name	Eastland Network Limited
Disclosure Date	31 August 2019
Disclosure Year (year ended)	31 March 2019

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 21 December 2017

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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 21 December 2017). 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 2019

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

7	1(i): Expenditure metrics				
8					
9		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 MVA of capacity from EDB-owned distribution transformers (\$/MVA)
10	Operational expenditure	35,842	394	171,903	46,785
11	Network	19,165	211	91,919	25,016
12	Non-network	16,677	183	79,984	21,768
13	Expenditure on assets	38,118	419	182,820	49,756
14	Network	36,909	405	177,020	48,177
15	Non-network	1,209	13	5,800	1,578
16					
17	1(ii): Revenue metrics				
18					
19		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)		
20	Total consumer line charge revenue	130,794	1,437		
21	Standard consumer line charge revenue	130,794	1,437		
22	Non-standard consumer line charge revenue	-	-		
23	1(iii): Service intensity measures				
24					
25	Demand density	15			Maximum coincident system demand per km of circuit length (for supply) (kW/km)
26	Volume density	71			Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
27	Connection point density	6			Average number of ICPs per km of circuit length (for supply) (ICPs/km)
28	Energy intensity	10,986			Total energy delivered to ICPs per average number of ICPs (kWh/ICP)
29					
30	1(iv): Composition of regulatory income				
31					
32				(\$000)	% of revenue
33	Operational expenditure			10,079	27.33%
34	Pass-through and recoverable costs excluding financial incentives and wash-ups			6,703	18.18%
35	Total depreciation			6,089	16.51%
36	Total revaluations			2,288	6.20%
37	Regulatory tax allowance			3,945	10.70%
38	Regulatory profit/(loss) including financial incentives and wash-ups			12,349	33.49%
39	Total regulatory income			36,877	
40	1(v): Reliability				
41					
42	Interruption rate			12.76	Interruptions per 100 circuit km

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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

2(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 17	31 Mar 18	31 Mar 19
		%	%	%
10	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	8.39%	8.02%	7.83%
11	Excluding revenue earned from financial incentives	6.34%	5.98%	6.03%
12	Excluding revenue earned from financial incentives and wash-ups	6.43%	6.07%	6.13%
14	Mid-point estimate of post tax WACC	4.77%	5.04%	4.75%
15	25th percentile estimate	4.05%	4.36%	4.07%
16	75th percentile estimate	5.48%	5.72%	5.43%
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	8.94%	8.61%	8.34%
21	Excluding revenue earned from financial incentives	6.88%	6.57%	6.54%
22	Excluding revenue earned from financial incentives and wash-ups	6.97%	6.66%	6.64%
24	WACC rate used to set regulatory price path	7.19%	7.19%	7.19%
26	Mid-point estimate of vanilla WACC	5.31%	5.60%	5.26%
27	25th percentile estimate	4.59%	4.92%	4.58%
28	75th percentile estimate	6.03%	6.29%	5.94%
30	2(ii): Information Supporting the ROI	(\$000)		
32	Total opening RAB value	154,613		
33	<i>plus</i> Opening deferred tax	(7,364)		
34	Opening RIV		147,249	
36	Line charge revenue		36,780	
38	Expenses cash outflow	16,782		
39	<i>add</i> Assets commissioned	11,756		
40	<i>less</i> Asset disposals	162		
41	<i>add</i> Tax payments	3,309		
42	<i>less</i> Other regulated income	97		
43	Mid-year net cash outflows		31,588	
45	Term credit spread differential allowance		–	
47	Total closing RAB value	161,678		
48	<i>less</i> Adjustment resulting from asset allocation	(728)		
49	<i>less</i> Lost and found assets adjustment	–		
50	<i>plus</i> Closing deferred tax	(8,000)		
51	Closing RIV		154,406	
53	ROI – comparable to a vanilla WACC			8.34%
55	Leverage (%)			42%
56	Cost of debt assumption (%)			4.33%
57	Corporate tax rate (%)			28%
59	ROI – comparable to a post tax WACC			7.83%

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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

61									
62									
63	Opening RIV								N/A
64									
65									
66		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income		Monthly net cash outflows	
67	April								-
68	May								-
69	June								-
70	July								-
71	August								-
72	September								-
73	October								-
74	November								-
75	December								-
76	January								-
77	February								-
78	March								-
79	Total	-	-	-	-	-	-	-	-
80									
81	Tax payments								N/A
82									
83	Term credit spread differential allowance								N/A
84									
85	Closing RIV								N/A
86									
87									
88	Monthly ROI – comparable to a vanilla WACC								N/A
89									
90	Monthly ROI – comparable to a post tax WACC								N/A
91									

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

92			
93			
94	Year-end ROI – comparable to a vanilla WACC		5.83%
95			
96	Year-end ROI – comparable to a post tax WACC		5.32%
97			

* 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

101			
102	Net recoverable costs allowed under incremental rolling incentive scheme	-	
103	Purchased assets – avoided transmission charge	3,746	
104	Energy efficiency and demand incentive allowance		
105	Quality incentive adjustment	(139)	
106	Other financial incentives		
107	Financial incentives		3,607
108			
109	Impact of financial incentives on ROI		1.79%
110			
111	Input methodology claw-back		
112	CPP application recoverable costs		
113	Catastrophic event allowance		
114	Capex wash-up adjustment	(188)	
115	Transmission asset wash-up adjustment		
116	2013–15 NPV wash-up allowance		
117	Reconsideration event allowance		
118	Other wash-ups		
119	Wash-up costs		(188)
120			
121	Impact of wash-up costs on ROI		-0.09%

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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	36,780
10	plus Gains / (losses) on asset disposals	(129)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	226
12		
13	Total regulatory income	36,877
14	Expenses	
15	less Operational expenditure	10,079
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	6,703
18		
19	Operating surplus / (deficit)	20,095
20		
21	less Total depreciation	6,089
22		
23	plus Total revaluations	2,288
24		
25	Regulatory profit / (loss) before tax	16,293
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	3,945
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	12,349
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	286
36	Commerce Act levies	72
37	Industry levies	75
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	5,904
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	6,703
47		

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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)	
		CY-1	CY
		31 Mar 18	31 Mar 19
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
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
56			
57	CY-5 31 Mar 14		
58	CY-4 31 Mar 15		
59	CY-3 31 Mar 16		
60	CY-2 31 Mar 17		
61	CY-1 31 Mar 18		
62	Net incremental rolling incentive scheme		-
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		-
65	3(iv): Merger and Acquisition Expenditure		
70			(\$000)
66	Merger and acquisition expenditure		
67			
68	<i>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)</i>		
69	3(v): Other Disclosures		
70			(\$000)
71	Self-insurance allowance		

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)
Total opening RAB value	125,599	139,164	140,586	151,867	154,613
less Total depreciation	5,148	5,667	6,307	5,692	6,089
plus Total revaluations	105	815	3,020	1,665	2,288
plus Assets commissioned	18,615	6,363	7,724	7,061	11,756
less Asset disposals	8	89	313	289	162
plus Lost and found assets adjustment	-	-	-	-	-
plus Adjustment resulting from asset allocation	-	-	7,158	(0)	(728)
Total closing RAB value	139,164	140,586	151,867	154,613	161,678

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value		154,613		154,613
less Total depreciation		6,089		6,089
plus Total revaluations		2,288		2,288
plus Assets commissioned (other than below)	11,756		11,756	
Assets acquired from a regulated supplier	-		-	
Assets acquired from a related party	-		-	
Assets commissioned		11,756		11,756
less Asset disposals (other than below)	162		162	
Asset disposals to a regulated supplier	-		-	
Asset disposals to a related party	-		-	
Asset disposals		162		162
plus Lost and found assets adjustment				
plus Adjustment resulting from asset allocation				(728)
Total closing RAB value		162,406		161,678

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

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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

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

CPI _t	1,026
CPI _{t-4}	1,011
Revaluation rate (%)	1.48%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	154,613		154,613	
<i>less</i> Opening value of fully depreciated, disposed and lost assets	416		416	
Total opening RAB value subject to revaluation	154,197		154,197	
Total revaluations		2,288		2,288

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		1,179		1,179
<i>plus</i> Capital expenditure	11,451		11,451	
<i>less</i> Assets commissioned	11,756		11,756	
<i>plus</i> Adjustment resulting from asset allocation				
Works under construction - current disclosure year		874		874
Highest rate of capitalised finance applied				

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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

76 **4(v): Regulatory Depreciation**

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
79 Depreciation - standard	6,089		6,089	
80 Depreciation - no standard life assets	-		-	
81 Depreciation - modified life assets	-		-	
82 Depreciation - alternative depreciation in accordance with CPP	-		-	
83 Total depreciation		6,089		6,089

85 **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

96 **4(vii): Disclosure by Asset Category**

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99 Total opening RAB value	15,866	1,374	19,086	54,565	24,601	16,571	8,389	3,464	10,696	154,613
100 <i>less</i> Total depreciation	660	32	917	1,927	752	658	391	285	468	6,089
101 <i>plus</i> Total revaluations	235	20	283	809	365	245	123	51	157	2,288
102 <i>plus</i> Assets commissioned	1,386	-	4,387	2,797	1,237	803	322	240	582	11,756
103 <i>less</i> Asset disposals	6	-	-	18	-	18	119	-	-	162
104 <i>plus</i> Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
105 <i>plus</i> Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	(728)	(728)
106 <i>plus</i> Asset category transfers	(0)	0	0	0	0	(0)	0	0	0	0
107 Total closing RAB value	16,822	1,362	22,840	56,226	25,451	16,944	8,324	3,470	10,239	161,678
109 Asset Life										
110 Weighted average remaining asset life	36.1	40.9	28.1	38.1	40.6	30.2	25.6	15.0	13.8	(years)
111 Weighted average expected total asset life	59.1	54.3	43.1	56.5	60.6	44.7	39.3	25.5	16.9	(years)

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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 100.

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		16,293
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable		*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	2	*
12	Amortisation of initial differences in asset values	1,901	
13	Amortisation of revaluations	801	
14			2,704
15			
16	<i>less</i> Total revaluations	2,288	
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	2,622	
21			4,910
22			
23	Regulatory taxable income		14,088
24			
25	<i>less</i> Utilised tax losses		
26	Regulatory net taxable income		14,088
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		3,945

* 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)

36	Opening unamortised initial differences in asset values	45,576	
37	<i>less</i> Amortisation of initial differences in asset values	1,901	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed		
40	Closing unamortised initial differences in asset values		43,675
41			
42	Opening weighted average remaining useful life of relevant assets (years)		24

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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 100.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	141,780	
47			
48	Adjusted depreciation	5,288	
49	Total depreciation	6,089	
50	Amortisation of revaluations		801
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	(7,364)	
61			
62	plus Tax effect of adjusted depreciation	1,481	
63			
64	less Tax effect of tax depreciation	1,756	
65			
66	plus Tax effect of other temporary differences*	1	
67			
68	less Tax effect of amortisation of initial differences in asset values	532	
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	(30)	
73			
74	plus Deferred tax cost allocation adjustment	141	
75			
76	Closing deferred tax		(8,000)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<i>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).</i>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		
82			(\$000)
83	Opening sum of regulatory tax asset values	70,251	
84	less Tax depreciation	6,271	
85	plus Regulatory tax asset value of assets commissioned	11,743	
86	less Regulatory tax asset value of asset disposals	55	
87	plus Lost and found assets adjustment		
88	plus Adjustment resulting from asset allocation	(225)	
89	plus Other adjustments to the RAB tax value		
90	Closing sum of regulatory tax asset values		75,443

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

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

sch ref

5b(i): Summary—Related Party Transactions		(\$000)	(\$000)
7	Total regulatory income		474
8			
9			
10	Market value of asset disposals		-
11			
12	Service interruptions and emergencies	918	
13	Vegetation management	20	
14	Routine and corrective maintenance and inspection	80	
15	Asset replacement and renewal (opex)	1,525	
16	Network opex		2,543
17	Business support	2,266	
18	System operations and network support	-	
19	Operational expenditure		4,809
20	Consumer connection	5	
21	System growth	71	
22	Asset replacement and renewal (capex)	460	
23	Asset relocations	-	
24	Quality of supply	-	
25	Legislative and regulatory	-	
26	Other reliability, safety and environment	3	
27	Expenditure on non-network assets		-
28	Expenditure on assets		539
29	Cost of financing		
30	Value of capital contributions		
31	Value of vested assets		
32	Capital Expenditure		539
33	Total expenditure		5,348
34			
35	Other related party transactions		193

5b(iii): Total Opex and Capex Related Party Transactions

Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
Eastech	Service interruptions and emergencies	918
Eastech	Vegetation management	20
Eastech	Routine and corrective maintenance and inspection	80
Eastech	Asset replacement and renewal (opex)	43
Eastech	Consumer connection	5
Eastech	System growth	71
Eastech	Asset replacement and renewal (capex)	460
Eastech	Other reliability, safety and environment	3
Eastland Generation	Asset replacement and renewal (opex)	1,482
Eastland Group Limited	Business support	2,266
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
Total value of related party transactions		5,348

* include additional rows if needed

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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

7
8
9

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	Debt issue cost readjustment
* include additional rows if needed						-	-	-

16

17

18

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

19

20

Gross term credit spread differential -

21

22

Total book value of interest bearing debt -

23

Leverage 42%

24

Average opening and closing RAB values -

25

Attribution Rate (%) -

26

27

Term credit spread differential allowance -

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		1,268			
12	Not directly attributable				-	
13	Total attributable to regulated service		1,268			
14	Vegetation management					
15	Directly attributable		1,215			
16	Not directly attributable				-	
17	Total attributable to regulated service		1,215			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		1,080			
20	Not directly attributable				-	
21	Total attributable to regulated service		1,080			
22	Asset replacement and renewal					
23	Directly attributable		1,826			
24	Not directly attributable				-	
25	Total attributable to regulated service		1,826			
26	System operations and network support					
27	Directly attributable		1,269			
28	Not directly attributable			217	217	
29	Total attributable to regulated service		1,269			
30	Business support					
31	Directly attributable		3,421			
32	Not directly attributable			91	91	
33	Total attributable to regulated service		3,421			
34						
35	Operating costs directly attributable		10,079			
36	Operating costs not directly attributable	-	-	308	308	-
37	Operational expenditure		10,079			
38						

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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

39 **5d(ii): Other Cost Allocations**

	(\$000)
40 Pass through and recoverable costs	
41 Pass through costs	
42 Directly attributable	433
43 Not directly attributable	
44 Total attributable to regulated service	433
45 Recoverable costs	
46 Directly attributable	6,270
47 Not directly attributable	
48 Total attributable to regulated service	6,270

50 **5d(iii): Changes in Cost Allocations* †**

		(\$000)	
		CY-1	Current Year (CY)
51 Change in cost allocation 1			
52 Cost category			
53 Original allocator or line items			
54 New allocator or line items			
55		-	-
56 Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
60 Change in cost allocation 2			
61 Cost category			
62 Original allocator or line items			
63 New allocator or line items			
64		-	-
65 Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
69 Change in cost allocation 3			
70 Cost category			
71 Original allocator or line items			
72 New allocator or line items			
73		-	-
74 Rationale for change			

78 * 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.
 79 † include additional rows if needed

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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

7	6a(i): Expenditure on Assets		(\$000)	(\$000)
8	Consumer connection			61
9	System growth			691
10	Asset replacement and renewal			9,334
11	Asset relocations			44
12	Reliability, safety and environment:			
13	Quality of supply	177		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	72		
16	Total reliability, safety and environment			250
17	Expenditure on network assets			10,379
18	Expenditure on non-network assets			340
19				
20	Expenditure on assets			10,719
21	plus Cost of financing			
22	less Value of capital contributions			51
23	plus Value of vested assets			783
24				
25	Capital expenditure			11,451
26	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			
30	6a(iii): Consumer Connection			
31	<i>Consumer types defined by EDB*</i>		(\$000)	(\$000)
32	Residential		59	
33	Commercial		-	
34	Industrial		2	
35				
36	<i>* include additional rows if needed</i>			
37				
38	Consumer connection expenditure			61
39				
40	less Capital contributions funding consumer connection expenditure			
41	Consumer connection less capital contributions			61
42	6a(iv): System Growth and Asset Replacement and Renewal			
43			System Growth	Asset Replacement and Renewal
44			(\$000)	(\$000)
45	Subtransmission		-	1,308
46	Zone substations		-	3,728
47	Distribution and LV lines		258	3,059
48	Distribution and LV cables		354	116
49	Distribution substations and transformers		79	531
50	Distribution switchgear		-	457
51	Other network assets		-	136
52	System growth and asset replacement and renewal expenditure		691	9,334
53	less Capital contributions funding system growth and asset replacement and renewal		51	
54	System growth and asset replacement and renewal less capital contributions		640	9,334
55				
56	6a(v): Asset Relocations			
57	<i>Project or programme*</i>		(\$000)	(\$000)
58	Asset relocations (for Territorial authorities)		44	
59				
60				
61				
62				
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations			
65	Asset relocations expenditure			44
66	less Capital contributions funding asset relocations			
67	Asset relocations less capital contributions			44

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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

68				
69	6a(vi): Quality of Supply			
70	<i>Project or programme*</i>		(\$000)	(\$000)
71	Building/Switchyard Security Upgrade (2016/17 defer Kaiti)		5	
72	Alternate Massey Rd Control Room		34	
73	350kVA GenSet 2018 / Truck Purchase		138	
74				
75				
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply			
78	Quality of supply expenditure			177
79	<i>less</i> Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			177
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83				
84				
85				
86				
87				
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory			
90	Legislative and regulatory expenditure			-
91	<i>less</i> Capital contributions funding legislative and regulatory			
92	Legislative and regulatory less capital contributions			-
93	6a(viii): Other Reliability, Safety and Environment			
94	<i>Project or programme*</i>		(\$000)	(\$000)
95	Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety		72	
96				
97				
98				
99				
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment			
102	Other reliability, safety and environment expenditure			72
103	<i>less</i> Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			72
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Additional/Upgrade		7	
110	Vehicle Replacement @ \$60k each (Ntk)		42	
111	General asset replacement (Ntk)		8	
112	General building capex (ENL office, Eastech, Wairoa Depot)		2	
113				
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure			
116	Routine expenditure			59
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119	GIS Thin Client Software		31	
120	Property Capital Projects (ENL Carnarvon St office refurb)		247	
121	Property Capital Projects (Wairoa office & w/shop refurb)		2	
122	Property Capital Projects (ENL Carnarvon St earthquake strengthening)		-	
123	General building capex (ENL office, Eastech, Wairoa Depot)		-	
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure			
126	Atypical expenditure			281
127				
128	Expenditure on non-network assets			340

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

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	1,268	
9	Vegetation management	1,215	
10	Routine and corrective maintenance and inspection	1,080	
11	Asset replacement and renewal	1,826	
12	Network opex		5,389
13	System operations and network support	1,269	
14	Business support	3,421	
15	Non-network opex		4,690
16			
17	Operational expenditure		10,079
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		256
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Eastland Network Limited
For Year Ended	31 March 2019

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	36,320	36,780	1%	
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance	
10	Consumer connection	112	61	(45%)	
11	System growth	1,386	691	(50%)	
12	Asset replacement and renewal	8,853	9,334	5%	
13	Asset relocations	50	44	(12%)	
14	Reliability, safety and environment:				
15	Quality of supply	117	177	52%	
16	Legislative and regulatory	-	-	-	
17	Other reliability, safety and environment	341	72	(79%)	
18	Total reliability, safety and environment	458	250	(46%)	
19	Expenditure on network assets	10,859	10,379	(4%)	
20	Expenditure on non-network assets	909	340	(63%)	
21	Expenditure on assets	11,768	10,719	(9%)	
22	7(iii): Operational Expenditure				
23	Service interruptions and emergencies	1,356	1,268	(7%)	
24	Vegetation management	1,015	1,215	20%	
25	Routine and corrective maintenance and inspection	1,510	1,080	(28%)	
26	Asset replacement and renewal	2,263	1,826	(19%)	
27	Network opex	6,144	5,389	(12%)	
28	System operations and network support	1,888	1,269	(33%)	
29	Business support	3,672	3,421	(7%)	
30	Non-network opex	5,560	4,690	(16%)	
31	Operational expenditure	11,704	10,079	(14%)	
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	255	256	0%	
42					
43	<i>1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination</i>				
44	<i>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)</i>				

Company Name	Eastland Network Ltd
For Year Ended	31st March 2019
Network / Sub-Network Name	Eastland Network Ltd

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

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8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
PDH0030	Domestic	Standard	13,897	85,674.1
PDL0030	Domestic	Standard	5,692	36,755.7
PNH0003	Non-Domestic, High density	Standard	134	645.6
PNH0030	Non-Domestic, High density	Standard	1,687	21,769.8
PNH0100	Non-Domestic, High density	Standard	278	19,962.5
PNH0300	Non-Domestic, High density	Standard	71	14,599.7
PTH0300	Non-Domestic, High density	Standard	8	2,652.0
PNH0500	Non-Domestic, High density	Standard	16	8,393.8
PNH1000	Non-Domestic, High density	Standard	23	29,230.6
PNH4500	Non-Domestic, High density	Standard	2	12,853.5
PNH6500	Non-Domestic, High density	Standard	1	7,807.9
PNL0003	Non-Domestic, Low density	Standard	128	231.3
PNL0030	Non-Domestic, Low density	Standard	3,520	18,386.6
PNL0100	Non-Domestic, Low density	Standard	105	4,698.4
PNL0300	Non-Domestic, Low density	Standard	20	1,922.0 *
PTL0300	Non-Domestic, Low density	Standard	1	122.2
PNL0500	Non-Domestic, Low density	Standard	4	567.4
PNL1000	Non-Domestic, Low density	Standard	1	1,280.3
PNL4500	Non-Domestic, Low density	Standard	1	13,650.6
PNL6500	Non-Domestic, Low density	Standard	-	0.0
PNG0500	Generation	Standard	-	0.0
PNG1000	Generation (Gensets)	Standard	6	0.0
PNG4500	Generation	Standard	1	0.0
PNG6500	Generation (Waihi)	Standard	1	0.0
Power Factor Charges	All Customers (If Required)	Standard	-	0.0
Standard consumer totals			25,597	281,203.8
Non-standard consumer totals			-	0.0
Total for all consumers			25,597	281,203.8

Price component	Billed quantities by price component							
	Fixed	Variable Uncontrolled	Variable Controlled	Variable Night (Mass Market)	Variable Evening Peak (TOU)	Variable Morning Peak (TOU)	Variable Off Peak (TOU)	Variable Night (TOU)
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Days	kWh	kWh	kWh	kWh	kWh	kWh	kWh
	5,072,405	62,825,147	22,838,746	10,191				
	2,077,580	27,938,896	8,784,758	32,030				
	48,910	645,375	190					
	615,755	20,736,260	1,000,713	32,821				
	101,470	19,412,850	311,582	238,047				
	25,915	14,573,375	26,283	-				
	2,920				463,716	680,545	868,198	639,584
	5,840				1,320,358	2,128,091	2,718,208	2,227,097
	8,395			15,253	4,737,904	7,123,451	9,197,717	8,156,240
	730				2,165,996	2,749,029	3,732,067	4,206,397
	365				1,205,273	1,986,587	2,437,808	2,178,194
	46,720	231,305						
	1,284,800	16,876,320	1,460,250	49,983				
	38,325	4,533,437	137,821	27,157				
	7,300	1,922,047						
	365				1,033	58,276	60,998	1,940
	1,460				95,360	141,239	188,882	141,891
	365				204,217	329,111	420,199	326,784
	365				2,253,111	3,325,854	4,352,796	3,718,845
	-							
	-							
	2,190							
	365							
	365							
	-							
	9,342,905	169,695,012	34,560,343	405,482	12,446,968	18,522,183	23,976,873	21,596,972
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	9,342,905	169,695,012	34,560,343	405,482	12,446,968	18,522,183	23,976,873	21,596,972

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

Company Name	Eastland Network Ltd
For Year Ended	31st March 2019
Network / Sub-Network Name	Eastland Network Ltd

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

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.)	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	\$ per kWh
PDH0030	Domestic	Standard	\$12,838		\$9,655.3	\$3,183.1		\$779.6	\$10,142.7	\$1,915.8	\$0.2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PDL0030	Domestic	Standard	\$6,485		\$4,862.2	\$1,623.2		\$321.8	\$5,268.9	\$893.9	\$0.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNH0003	Non-Domestic, High density	Standard	\$117		\$78.9	\$37.8		\$22.3	\$94.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNH0030	Non-Domestic, High density	Standard	\$3,769		\$2,586.1	\$1,182.4		\$1,518.9	\$2,180.5	\$68.5	\$0.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNH0100	Non-Domestic, High density	Standard	\$2,172		\$1,456.9	\$715.2		\$757.1	\$1,396.0	\$14.5	\$4.5	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNH0300	Non-Domestic, High density	Standard	\$1,244		\$844.4	\$399.7		\$388.5	\$854.6	\$1.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PTH0300	Non-Domestic, High density	Standard	\$171		\$117.3	\$53.4		\$63.9	\$0.0	\$0.0	\$0.0	\$25.2	\$34.3	\$34.2	\$13.2	\$13.2
PNH0500	Non-Domestic, High density	Standard	\$503		\$345.6	\$157.4		\$169.1	\$0.0	\$0.0	\$0.0	\$71.7	\$108.1	\$108.2	\$45.9	\$45.9
PNH1000	Non-Domestic, High density	Standard	\$1,522		\$1,044.4	\$477.8		\$366.7	\$0.0	\$0.0	\$0.3	\$259.0	\$362.0	\$366.2	\$168.1	\$168.1
PNH4500	Non-Domestic, High density	Standard	\$573		\$392.9	\$179.7		\$79.7	\$0.0	\$0.0	\$0.0	\$117.7	\$139.8	\$148.6	\$86.7	\$86.7
PNH6500	Non-Domestic, High density	Standard	\$369		\$253.5	\$115.4		\$60.7	\$0.0	\$0.0	\$0.0	\$65.4	\$100.9	\$97.0	\$44.9	\$44.9
PNL0003	Non-Domestic, Low density	Standard	\$61		\$41.2	\$19.5		\$21.6	\$39.1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNL0030	Non-Domestic, Low density	Standard	\$5,154		\$3,571.7	\$1,582.2		\$3,195.3	\$1,852.5	\$104.9	\$1.1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNL0100	Non-Domestic, Low density	Standard	\$671		\$450.1	\$220.7		\$284.3	\$378.5	\$7.5	\$0.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNL0300	Non-Domestic, Low density	Standard	\$239		\$162.7	\$76.7		\$111.2	\$128.2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PTL0300	Non-Domestic, Low density	Standard	\$15		\$10.2	\$4.7		\$9.1	\$0.0	\$0.0	\$0.0	\$0.1	\$3.1	\$2.6	\$0.0	\$0.0
PNL0500	Non-Domestic, Low density	Standard	\$65		\$44.7	\$20.5		\$41.2	\$0.0	\$0.0	\$0.0	\$5.4	\$7.5	\$7.9	\$3.1	\$3.1
PNL1000	Non-Domestic, Low density	Standard	\$70		\$47.8	\$22.0		\$15.9	\$0.0	\$0.0	\$0.0	\$11.6	\$17.5	\$17.6	\$7.2	\$7.2
PNL4500	Non-Domestic, Low density	Standard	\$609		\$416.8	\$192.3		\$39.9	\$0.0	\$0.0	\$0.0	\$127.8	\$176.9	\$182.4	\$82.2	\$82.2
PNL6500	Non-Domestic, Low density	Standard	-		\$0.0	\$0.0		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNG0500	Generation	Standard	-		\$0.0	\$0.0		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNG1000	Generation (Gensets)	Standard	\$66		\$65.7	\$0.0		\$65.7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNG4500	Generation	Standard	\$27		\$26.9	\$0.0		\$26.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
PNG6500	Generation (Waihi)	Standard	\$41		\$41.0	\$0.0		\$41.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Power Factor Charges	All Customers (If Required)	Standard	-		\$0.0	\$0.0		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Add extra rows for additional consumer groups or price category codes as necessary																
Standard consumer totals			\$36,779.8	\$0.0	\$26,516.3	\$10,263.6		\$8,380.3	\$22,335.4	\$3,006.2	\$8.1	\$683.8	\$950.1	\$964.6	\$451.3	\$451.3
Non-standard consumer totals			\$0.0	\$0.0	n/a	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total for all consumers			\$36,779.8	\$0.0	\$26,516.3	\$10,263.6		\$8,380.3	\$22,335.4	\$3,006.2	\$8.1	\$683.8	\$950.1	\$964.6	\$451.3	\$451.3

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

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check ok

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
Network / Sub-network Name	Gisborne/Wairoa combined

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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Data accuracy	
					year (quantity)	year (quantity)	Net change	(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	16,003	16,377	374	1
9	All	Overhead Line	Wood poles	No.	18,284	17,943	(341)	1
10	All	Overhead Line	Other pole types	No.	-	-	-	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	336	336	-	1
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	307	307	-	1
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	-	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	4
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	4
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	26	26	-	1
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	3	3	-	1
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	49	49	-	1
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	4
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	4	4	-	1
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	4
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	1	-	1
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	98	98	-	1
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	6	7	1	1
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	51	51	-	1
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,393	2,392	(1)	1
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	4
36	HV	Distribution Line	SWER conductor	km	1	1	-	1
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	33	34	1	1
38	HV	Distribution Cable	Distribution UG PILC	km	103	102	(1)	1
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	4
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	48	48	-	1
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	24	24	-	1
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	4,367	4,369	2	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	75	73	(2)	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	259	258	(1)	1
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,018	3,002	(16)	1
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	576	579	3	1
47	HV	Distribution Transformer	Voltage regulators	No.	9	9	-	1
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	4
49	LV	LV Line	LV OH Conductor	km	511	508	(3)	1
50	LV	LV Cable	LV UG Cable	km	266	269	3	1
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	22	22	-	1
52	LV	Connections	OH/UG consumer service connections	No.	31,675	31,686	11	1
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	225	234	9	1
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	791	814	23	1
55	All	Capacitor Banks	Capacitors including controls	No.	1	1	-	3
56	All	Load Control	Centralised plant	Lot	8	8	-	1
57	All	Load Control	Relays	No.	15,669	15,683	14	1
58	All	Civils	Cable Tunnels	km	-	-	-	4

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
Network / Sub-network Name	Gisborne

SCHEDULE 9a: ASSET REGISTER

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

sch ref

	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	12727	13,253	526	1
9	All	Overhead Line	Wood poles	No.	14003	13,815	(188)	1
10	All	Overhead Line	Other pole types	No.	-	-	-	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	269	269	-	1
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	180	180	-	1
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	-	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	4
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	4
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	14	14	-	1
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	3	3	-	1
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	44	44	-	1
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	4
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	1
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	4
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	1
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	84	84	-	1
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	4	5	1	1
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	32	32	-	1
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,713	1,711	(2)	1
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	4
36	HV	Distribution Line	SWER conductor	km	-	-	-	1
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	28	29	1	1
38	HV	Distribution Cable	Distribution UG PILC	km	88	87	(1)	1
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	4
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	22	22	-	1
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	24	24	-	1
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3025	3,013	(12)	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	59	57	(2)	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	218	204	(14)	1
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2067	2,054	(13)	1
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	457	459	2	1
47	HV	Distribution Transformer	Voltage regulators	No.	7	7	-	1
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	4
49	LV	LV Line	LV OH Conductor	km	377	374	(3)	1
50	LV	LV Cable	LV UG Cable	km	216	218	2	1
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	21	21	-	1
52	LV	Connections	OH/UG consumer service connections	No.	24934	25,294	360	1
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	181	191	10	1
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	625	644	19	1
55	All	Capacitor Banks	Capacitors including controls	No.	-	1	1	3
56	All	Load Control	Centralised plant	Lot	5	5	-	1
57	All	Load Control	Relays	No.	15484	15,499	15	1
58	All	Civils	Cable Tunnels	km	-	-	-	4

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
Network / Sub-network Name	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

	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	3,276	3,124	(152)	1
9	All	Overhead Line	Wood poles	No.	4,281	4,128	(153)	1
10	All	Overhead Line	Other pole types	No.	-	-	-	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	67	67	(0)	1
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	127	127	(0)	1
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	0	0	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	4
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	4
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	12	12	-	1
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	1
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	5	5	-	1
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	4
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	4	4	-	1
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	4
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	1	-	1
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	14	14	-	1
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	2	2	-	1
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	19	19	-	1
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	680	681	1	1
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	4
36	HV	Distribution Line	SWER conductor	km	1	1	(0)	1
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	5	5	(0)	1
38	HV	Distribution Cable	Distribution UG PILC	km	15	15	0	1
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	4
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	26	26	-	1
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	1
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1,342	1,356	14	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	16	16	-	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	41	54	13	1
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	951	948	(3)	1
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	119	120	1	1
47	HV	Distribution Transformer	Voltage regulators	No.	2	2	-	1
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	4
49	LV	LV Line	LV OH Conductor	km	134	134	(0)	1
50	LV	LV Cable	LV UG Cable	km	50	51	1	1
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1	1	(0)	1
52	LV	Connections	OH/UG consumer service connections	No.	6,741	6,392	(349)	1
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	44	46	2	1
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	166	170	4	1
55	All	Capacitor Banks	Capacitors including controls	No.	1	-	(1)	4
56	All	Load Control	Centralised plant	Lot	3	3	-	1
57	All	Load Control	Relays	No.	185	184	(1)	1
58	All	Civils	Cable Tunnels	km	-	-	-	4

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
Network / Sub-network Name	Eastland Network Limited/ ALL

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

9			
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)
11	> 66kV	307	–
12	50kV & 66kV	301	1
13	33kV	34	0
14	SWER (all SWER voltages)	1	–
15	22kV (other than SWER)	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	2,392	136
17	Low voltage (< 1kV)	508	269
18	Total circuit length (for supply)	3,542	407
19			
20	Dedicated street lighting circuit length (km)	13	9
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		1,000
22			
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)
24	Urban	187	5%
25	Rural	1,708	48%
26	Remote only	376	11%
27	Rugged only	990	28%
28	Remote and rugged	281	8%
29	Unallocated overhead lines	–	–
30	Total overhead length	3,542	100%
31			
32		Circuit length (km)	(% of total circuit length)
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,657	42%
34		Circuit length (km)	(% of total overhead length)
35	Overhead circuit requiring vegetation management	3,542	100%

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
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

9			
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)
11	> 66kV	180	–
12	50kV & 66kV	268	1
13	33kV	–	–
14	SWER (all SWER voltages)	–	–
15	22kV (other than SWER)	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	1,711	116
17	Low voltage (< 1kV)	374	218
18	Total circuit length (for supply)	2,534	336
19			
20	Dedicated street lighting circuit length (km)	13	8
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		700
22			
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)
24	Urban	165	7%
25	Rural	1,346	53%
26	Remote only	292	12%
27	Rugged only	616	24%
28	Remote and rugged	116	5%
29	Unallocated overhead lines	–	–
30	Total overhead length	2,534	100%
31			
32		Circuit length (km)	(% of total circuit length)
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,329	46%
34		Circuit length (km)	(% of total overhead length)
35	Overhead circuit requiring vegetation management	2,534	100%

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
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

9			
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)
11	> 66kV	126	—
12	50kV & 66kV	32	—
13	33kV	34	0
14	SWER (all SWER voltages)	1	—
15	22kV (other than SWER)	—	—
16	6.6kV to 11kV (inclusive—other than SWER)	681	20
17	Low voltage (< 1kV)	134	51
18	Total circuit length (for supply)	1,008	71
19			Total circuit length (km)
20	Dedicated street lighting circuit length (km)	0	0
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		1
22			700
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)
24	Urban	22	2%
25	Rural	363	36%
26	Remote only	84	8%
27	Rugged only	374	37%
28	Remote and rugged	165	16%
29	Unallocated overhead lines	—	—
30	Total overhead length	1,008	100%
31			
32		Circuit length (km)	(% of total circuit length)
33	Length of circuit within 10km of coastline or geothermal areas (where known)	328	30%
34		Circuit length (km)	(% of total overhead length)
35	Overhead circuit requiring vegetation management	1,008	100%

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

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

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

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
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

8	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10			Number of connections (ICPs)
11	<i>Consumer types defined by EDB*</i>		
12	Domestic/Residential	19,601	
13	Commercial	5,949	
14	Large Commercial	59	
15	Industrial	5	
16	* include additional rows if needed		
17	Connections total	25,614	
18			
19	Distributed generation		
20	Number of connections made in year	28	connections
21	Capacity of distributed generation installed in year	0	MVA
22	9e(ii): System Demand		
23			
24			Demand at time of maximum coincident demand (MW)
25	Maximum coincident system demand		
26	GXP demand	59	
27	plus Distributed generation output at HV and above	-	
28	Maximum coincident system demand	59	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	Demand on system for supply to consumers' connection points	59	
31	Electricity volumes carried		Energy (GWh)
32	Electricity supplied from GXPs	290	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	16	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	306	
37	less Total energy delivered to ICPs	281	
38	Electricity losses (loss ratio)	25	8.2%
39			
40	Load factor	0.60	
41	9e(iii): Transformer Capacity		
42			(MVA)
43	Distribution transformer capacity (EDB owned)	215	
44	Distribution transformer capacity (Non-EDB owned, estimated)	48	
45	Total distribution transformer capacity	263	
46			
47	Zone substation transformer capacity	330	

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
Network / Sub-network Name	Eastland Network Limited/ GIS

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

8	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10			Number of connections (ICPs)
11	<i>Consumer types defined by EDB*</i>		
12	Domestic/Residential		16,453
13	Commercial		4,322
14	Large Commercial		47
15	Industrial		4
16	* include additional rows if needed		
17	Connections total		20,826
18			
19	Distributed generation		
20	Number of connections made in year	22	connections
21	Capacity of distributed generation installed in year	0	MVA
22	9e(ii): System Demand		
23			
24			Demand at time of maximum coincident demand (MW)
25	Maximum coincident system demand		
26	GXP demand	49	
27	plus Distributed generation output at HV and above	-	
28	Maximum coincident system demand	49	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	Demand on system for supply to consumers' connection points	49	
31	Electricity volumes carried		Energy (GWh)
32	Electricity supplied from GXPs	247	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	7	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	253	
37	less Total energy delivered to ICPs	233	
38	Electricity losses (loss ratio)	20	7.9%
39			
40	Load factor	0.59	
41	9e(iii): Transformer Capacity		
42			(MVA)
43	Distribution transformer capacity (EDB owned)	176	
44	Distribution transformer capacity (Non-EDB owned, estimated)	39	
45	Total distribution transformer capacity	215	
46			
47	Zone substation transformer capacity	272	

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
Network / Sub-network Name	Eastland Network Limited/ WRA

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

8	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10			Number of connections (ICPs)
11	<i>Consumer types defined by EDB*</i>		
12	Domestic/Residential		3,148
13	Commercial		1,627
14	Large Commercial		12
15	Industrial		1
16	* include additional rows if needed		
17	Connections total		4,788
18			
19	Distributed generation		
20	Number of connections made in year	6	connections
21	Capacity of distributed generation installed in year	0	MVA
22	9e(ii): System Demand		
23			
24			Demand at time of maximum coincident demand (MW)
25	Maximum coincident system demand		
26	GXP demand	10	
27	plus Distributed generation output at HV and above	-	
28	Maximum coincident system demand	10	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	Demand on system for supply to consumers' connection points	10	
31	Electricity volumes carried		Energy (GWh)
32	Electricity supplied from GXPs	43	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	10	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	53	
37	less Total energy delivered to ICPs	47	
38	Electricity losses (loss ratio)	6	11.8%
39			
40	Load factor	0.60	
41	9e(iii): Transformer Capacity		
42			(MVA)
43	Distribution transformer capacity (EDB owned)	40	
44	Distribution transformer capacity (Non-EDB owned, estimated)	9	
45	Total distribution transformer capacity	49	
46			
47	Zone substation transformer capacity	58	

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
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

8 **10(i): Interruptions**

9 **Interruptions by class**

	Number of interruptions
10 Class A (planned interruptions by Transpower)	1
11 Class B (planned interruptions on the network)	206
12 Class C (unplanned interruptions on the network)	297
13 Class D (unplanned interruptions by Transpower)	-
14 Class E (unplanned interruptions of EDB owned generation)	-
15 Class F (unplanned interruptions of generation owned by others)	-
16 Class G (unplanned interruptions caused by another disclosing entity)	-
17 Class H (planned interruptions caused by another disclosing entity)	-
18 Class I (interruptions caused by parties not included above)	-
19 Total	504

21 **Interruption restoration**

	≤3Hrs	>3hrs
22 Class C interruptions restored within	177	120

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	0.01	5.2
26 Class B (planned interruptions on the network)	0.36	68.2
27 Class C (unplanned interruptions on the network)	3.48	258.0
28 Class D (unplanned interruptions by Transpower)	-	-
29 Class E (unplanned interruptions of EDB owned generation)	-	-
30 Class F (unplanned interruptions of generation owned by others)	-	-
31 Class G (unplanned interruptions caused by another disclosing entity)	-	-
32 Class H (planned interruptions caused by another disclosing entity)	-	-
33 Class I (interruptions caused by parties not included above)	-	-
34 Total	3.86	331.4

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	2.95	240.69

39 **Quality path normalised reliability limit**

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

41 * not applicable to exempt EDBs

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
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	0.25	5.1
Vegetation	0.93	89.9
Adverse weather	0.31	73.2
Adverse environment	0.00	0.2
Third party interference	0.28	18.6
Wildlife	0.17	14.1
Human error	0.03	0.1
Defective equipment	0.65	35.9
Cause unknown	0.87	21.0

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.02	0.44
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.24	53.44
Distribution cables (excluding LV)	0.10	14.28
Distribution other (excluding LV)	-	-

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	1.56	32.25
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	1.67	215.14
Distribution cables (excluding LV)	0.25	10.63
Distribution other (excluding LV)	-	-

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	16	642	2.49
Subtransmission cables	-	1	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	266	2,392	11.12
Distribution cables (excluding LV)	15	136	11.02
Distribution other (excluding LV)	-	-	-
Total	297		

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
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

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)	-	
11	Class B (planned interruptions on the network)	164	
12	Class C (unplanned interruptions on the network)	228	
13	Class D (unplanned interruptions by Transpower)	-	
14	Class E (unplanned interruptions of EDB owned generation)	-	
15	Class F (unplanned interruptions of generation owned by others)	-	
16	Class G (unplanned interruptions caused by another disclosing entity)	-	
17	Class H (planned interruptions caused by another disclosing entity)	-	
18	Class I (interruptions caused by parties not included above)	-	
19	Total	392	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	139	89
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.35	56.99
27	Class C (unplanned interruptions on the network)	3.72	252.41
28	Class D (unplanned interruptions by Transpower)	-	-
29	Class E (unplanned interruptions of EDB owned generation)	-	-
30	Class F (unplanned interruptions of generation owned by others)	-	-
31	Class G (unplanned interruptions caused by another disclosing entity)	-	-
32	Class H (planned interruptions caused by another disclosing entity)	-	-
33	Class I (interruptions caused by parties not included above)	-	-
34	Total	4.07	309.4
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	2.78	203.36
38			
39	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A
41	* not applicable to exempt EDBs		

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
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.

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

Cause	SAIFI	SAIDI
Lightning	0.28	3.48
Vegetation	1.04	82.73
Adverse weather	0.35	86.92
Adverse environment	0.00	0.27
Third party interference	0.34	22.84
Wildlife	0.14	9.66
Human error	0.04	0.07
Defective equipment	0.59	28.94
Cause unknown	0.93	17.50

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.02	0.54
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.22	42.47
Distribution cables (excluding LV)	0.10	13.97
Distribution other (excluding LV)	-	-

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	1.57	39.70
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	1.51	204.48
Distribution cables (excluding LV)	0.20	8.23
Distribution other (excluding LV)	-	-

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	14	449	3.12
Subtransmission cables	-	1	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	201	1,712	11.74
Distribution cables (excluding LV)	13	116	11.18
Distribution other (excluding LV)	-	-	-
Total	228		

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
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

8 **10(i): Interruptions**

9 **Interruptions by class**

	Number of interruptions
10 Class A (planned interruptions by Transpower)	1
11 Class B (planned interruptions on the network)	42
12 Class C (unplanned interruptions on the network)	69
13 Class D (unplanned interruptions by Transpower)	-
14 Class E (unplanned interruptions of EDB owned generation)	-
15 Class F (unplanned interruptions of generation owned by others)	-
16 Class G (unplanned interruptions caused by another disclosing entity)	-
17 Class H (planned interruptions caused by another disclosing entity)	-
18 Class I (interruptions caused by parties not included above)	-
19 Total	112

21 **Interruption restoration**

	≤3Hrs	>3hrs
22 Class C interruptions restored within	38	31

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	0.07	27.91
26 Class B (planned interruptions on the network)	0.44	116.53
27 Class C (unplanned interruptions on the network)	2.43	282.32
28 Class D (unplanned interruptions by Transpower)	-	-
29 Class E (unplanned interruptions of EDB owned generation)	-	-
30 Class F (unplanned interruptions of generation owned by others)	-	-
31 Class G (unplanned interruptions caused by another disclosing entity)	-	-
32 Class H (planned interruptions caused by another disclosing entity)	-	-
33 Class I (interruptions caused by parties not included above)	-	-
34 Total	2.94	426.8

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	2.65	324.82

39 **Quality path normalised reliability limit**

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

41 * not applicable to exempt EDBs

Company Name	Eastland Network Limited
For Year Ended	31 March 2019
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.

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

Cause	SAIFI	SAIDI
Lightning	0.09	12.36
Vegetation	0.44	120.94
Adverse weather	0.12	13.53
Adverse environment	-	-
Third party interference	-	-
Wildlife	0.28	33.43
Human error	-	-
Defective equipment	0.91	66.08
Cause unknown	0.58	35.99

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)	0.33	100.90
Distribution cables (excluding LV)	0.10	15.62
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)	2.15	261.29
Distribution cables (excluding LV)	0.28	21.04
Distribution other (excluding LV)	-	-

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	2	193	1.04
Subtransmission cables	-	0	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	65	680	9.55
Distribution cables (excluding LV)	2	20	10.05
Distribution other (excluding LV)	-	-	-
Total	69		



**EDB Information Disclosure Requirements
Information Templates
for
Schedules 5f & 5g**

Company Name	Eastland Network Limited
Disclosure Date	31 August 2019
Disclosure Year (year ended)	31 March 2019

Templates for Schedules 5f & 5g
Template Version 4.1. Prepared 21 December 2017

Table of Contents

Schedule	Schedule name
5f	REPORT SUPPORTING COST ALLOCATIONS
5g	REPORT SUPPORTING ASSET ALLOCATIONS

Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under subclause 2.3.2 of the Electricity Distribution Information Disclosure Determination 2012.

Instructions for completing schedules 5f & 5g

When completing schedules 5f & 5g, EDBs are only required to report on cost or asset values that are not directly attributable. If EDBs do not have any cost or asset values that are not directly attributable, they should indicate this on the first "Insert cost description" input box.

EDBs are required to submit schedules 5f & 5g to the Commission even if they do not have any cost or asset values that are not directly attributable.

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 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.

Inserting Additional Rows

The templates for schedules 5f and 5g may require additional rows to be inserted in tables.

Additional rows 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. Column A schedule references should not be entered in additional rows.

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 21 December 2017). They provide a common reference between the rows in the determination and the template.

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

sch ref	Line Item*	Allocation methodology type	Cost allocator	Allocator type	Allocator Metric (%)		Value allocated (\$000)			OVABAA allocation increase (\$000)		
					Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services		Total	
7												
8												
9												
10												
11	Service interruptions and emergencies											
12	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-	
13	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-	
14	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-	
15	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-	
16	Not directly attributable							-	-	-	-	-
17	Vegetation management											
18	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-	
19	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-	
20	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-	
21	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-	
22	Not directly attributable							-	-	-	-	-
23	Routine and corrective maintenance and inspection											
24	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-	
25	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-	
26	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-	
27	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-	
28	Not directly attributable							-	-	-	-	-
29	Asset replacement and renewal											
30	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-	
31	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-	
32	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-	
33	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-	
34	Not directly attributable							-	-	-	-	-
35												

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

36	System operations and network support											
37	Engineering Services provided	ABAA	FTEs	Causal	-	100.00%	-	-	217	217	-	
38	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-	
39	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-	
40	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-	
41	Not directly attributable							-	-	217	217	-
42	Business support											
43	Support Services provided	ABAA	FTEs	Causal		100.00%			91	91	-	
44	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-	
45	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-	
46	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-	
47	Not directly attributable							-	-	91	91	-
48	Operating costs not directly attributable											
49								-	-	308	308	-
50												
51	Pass through and recoverable costs											
52	Pass through costs											
53	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-	
54	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-	
55	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-	
56	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-	
57	Not directly attributable							-	-	-	-	-
58	Recoverable costs											
59	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-	
60	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-	
61	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-	
62	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-	
63	Not directly attributable							-	-	-	-	-
64	<i>* include additional rows if needed</i>											

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

Line Item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%)		Value allocated (\$000)				OVABAA allocation increase (\$000)
				Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
Subtransmission lines										
Insert asset description	e.g. ABAA	Allocator 1	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 2	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 3	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 4	[Select one]							-
Not directly attributable						-	-	-	-	-
Subtransmission cables										
Insert asset description	e.g. ABAA	Allocator 1	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 2	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 3	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 4	[Select one]							-
Not directly attributable						-	-	-	-	-
Zone substations										
Insert asset description	e.g. ABAA	Allocator 1	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 2	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 3	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 4	[Select one]							-
Not directly attributable						-	-	-	-	-
Distribution and LV lines										
Insert asset description	e.g. ABAA	Allocator 1	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 2	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 3	[Select one]							-
Insert asset description	e.g. ABAA	Allocator 4	[Select one]							-
Not directly attributable						-	-	-	-	-

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

35	Distribution and LV cables									
36	Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-
37	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-
38	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-
39	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
40	Not directly attributable									-
41										
42	Distribution substations and transformers									
43	Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-
44	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-
45	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-
46	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
47	Not directly attributable									-
48										
49	Distribution switchgear									
50	Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-
51	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-
52	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-
53	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
54	Not directly attributable									-
55										
56	Other network assets									
57	Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-
58	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-
59	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-
60	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
61	Not directly attributable									-
62										
63	Non-network assets									
64	Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-
65	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-
66	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-
67	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
68	Not directly attributable									-
69	Regulated service asset value not directly attributable									-
	<i>* include additional rows if needed</i>									

Company Name	<u>Eastland Network Limited</u>
For Year Ended	<u>31 March 2019</u>

Schedule 14 Mandatory Explanatory Notes

(Guidance Note: This Microsoft Word version of Schedules 14, 14a and 15 is from the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018. Clause references in this template are to that determination)

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 11 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

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

Box 1: Explanatory comment on return on investment

There are no reclassified items.

Regulatory Profit (Schedule 3)

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
 - 5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3
 - 5.2 information on reclassified items in accordance with subclause 2.7.1(2).

Box 2: Explanatory comment on regulatory profit

There are no material items in other regulated income.

There are no reclassified 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 subclause 2.7.1(2).
 - 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure
There were no merger or acquisition expenditure during the year.

Value of the Regulatory Asset Base (Schedule 4)

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

Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)
The RAB has increased by \$7m partially due to an increase in CPI from 1.1% to 1.5% which resulted in an increase in revaluations. Assets commissioned contributed to \$4.7m of the increase this was higher than last year because a higher proportion of the capital expenditure budget was spent.

The \$(728k) resulting for asset allocation adjustments is solely related to the removal of ACAM and therefore the removal of assets that have previously been allowed in the RAB because they didn't meet the 10% of total asset threshold. These assets include investment buildings in the region.

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

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
 - 8.1 Income not included in regulatory profit / (loss) before tax but taxable;
 - 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
 - 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
 - 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

Box 5: Regulatory tax allowance: permanent differences

The amounts are immaterial.

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

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

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

The amounts are immaterial.

Cost allocation (Schedule 5d)

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

Box 7: Cost allocation

There has been a change to the allocator used to allocate some costs due to the removal of the ACAM allocator. Those costs that were previously allocated by ACAM are now allocated using ABAA.

Asset allocation (Schedule 5e)

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

Box 8: Commentary on asset allocation

With the removal of ACAM Eastland has changed from the ACAM methodology to OVABAA to allocate not directly attributable assets. These assets include investment buildings.

Capital Expenditure for the Disclosure Year (Schedule 6a)

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

- 12.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
- 12.2 information on reclassified items in accordance with subclause 2.7.1.

Box 9: Explanation of capital expenditure for the disclosure year

Most of the capital expenditure is focused on asset replacement and renewal to maintain the network by replacing aging assets.

Major expenditure items for categories in asset replacement and renewal were:

Tuai 110/11kv zone substation transformer replacement.

3 x 12MVA zone substations transformer upgrades in Gisborne city.

Planned distribution and LV line pole replacements.

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)

13. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-
 - 13.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;
 - 13.2 Information on reclassified items in accordance with subclause 2.7.1(2);
 - 13.3 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 10: Explanation of operational expenditure for the disclosure year

Asset replacement and renewal expenditure related to replacement of components on poles/lines that are not capital in nature. Examples include replacing cross arms and maintenance on such as painting transformers, oil changes on transformers etc. Asset replacement and renewal is the second largest operational expenditure item after business support. This category also includes \$1.48m of avoided cost of distribution that is paid to generation service who provide the network support which avoid significant upgrade for capacity and security.

There have been no reclassified items during the year.

Variance between forecast and actual expenditure (Schedule 7)

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

Box 11: Explanatory comment on variance in actual to forecast expenditure

CAPITAL EXPENDITURE

Customer Connections variance (-48k)

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

System Growth variances (-\$645k)

The target for unplanned growth requirements, particularly unplanned upgrades to existing transformers because of consumer-initiated growth, was less than anticipated, (-\$188k). 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 (+481k)

This overspend of Capex is related to subtransmission transformer upgrades at Kaiti substation, Carnarvon Street substation and Tuai 110/11kv substation.

Kaiti substation - 11kV cables needing to be replaced at the same time as the transformers after failing tests on site.

Kaiti and Carnarvon Street Substation - Footprint testing and the redesign of foundations also weren't foreseen but needed to complete the projects efficiently.

Tuai substation – Extra costs were incurred for:

Access to the site (widening road to get transformer to site).

Accommodation for contractors as Eastland needed contractors from out of the district to complete the work and the work was in a rural area and they needed to stay in the next town over for the duration of the project.

The project was also on the brink of the end of the last financial year when the purchase was originally planned to happen but did not happen until the current period which meant the purchase was not budgeted for in this period.

Asset Relocation variance (-\$6k)

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. This variance is not considered material.

Reliability, Safety and Environment (-208\$k)

Quality of Supply, (+\$60k)

This variance is related to the purchase of an 300kVa generator truck.

Other, (-\$269k)

This variance is a direct result of projects having to be deferred because of a lack of suitable field service resources.

Non- network Assets (-\$569k)

Typical, (-150\$k)

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

Atypical, (-\$419k)

This variance relates to the deferral of various non-network building projects in Carnarvon Street and the deferral of an IT project to purchase and implement Asset Management software.

OPERATIONAL EXPENDITURE

Routine and Corrective Maintenance and Inspection (-\$430k)

The underspend is due to unplanned/contingency activities relating to routine patrolling of lines and maintenance, alongside minor variances in other various project/ fault related activities.

Asset Replacement and Renewal (-\$437)

-\$245k relates to ACOD being less than forecast. The remainder relates to small variances in planned maintenance on assets.

Vegetation Management (+\$200k)

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

Service interruptions and emergencies (-\$88k)

This variance against budget for this unplanned expenditure category is not considered material.

Information relating to revenues and quantities for the disclosure year

15. In the box below provide-

- 15.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and
- 15.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

Box 12: 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)

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

Box 13: Commentary on network reliability for the disclosure year

Insurance cover

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

- 17.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
- 17.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 14: Explanation of insurance cover

Network assets such as the substation buildings, zone sub transformers and 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 \$74 million.

Eastland Network Limited has no self-insurance cover.

Amendments to previously disclosed information

18. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
- 18.1 a description of each error; and
 - 18.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 15: Disclosure of amendment to previously disclosed information
There were no amendments to the previously disclosed information.

Company Name Eastland Network

For Year Ended 31 March 2019

Schedule 14a Mandatory Explanatory Notes on Forecast Information

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause **Error! Reference source not found.**
2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause **Error! Reference source not found.** This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section **Error! Reference source not found.**

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

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

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

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

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

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

Company Name Eastland Network

For Year Ended 31 March 2019

Schedule 15 Voluntary Explanatory Notes

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)

1. This schedule enables EDBs to provide, should they wish to-
 - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;
 - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

Vested Assets:

The value of vested assets (Schedule 6a) has been inadvertently omitted from the previous 3 information disclosures periods.

Changes to SAIFI Measurement:

Where an interruption to the supply of electricity distribution services is followed by restoration of some customers, and then later by a “successive interruption” to restore all customers, Eastland have only been calculating the relevant SAIFI values based on a single outage, not based on multiple outages.

Following clarification from the Commerce Commission, we are now aware that this treatment is inconsistent with the definition of “interruption” in the Default Price Path and Schedule 1.4 of Electricity Distribution Information Disclosure Determination 2012, and has led to SAIFI being underreported in previous years.

The data stated in this year’s Schedule 10 now reflects the clarified interpretation of an “interruption” and consequently is higher than expected. With SAIFI restated it is still below regulatory limits for the year.

Completeness of Quality Data:

The information provided in schedule 10 has been derived from the records kept by the control room. These processes follow Eastland Outage Data Recording Procedures contained in our Quality Standards Manuals and are typical of industry control room procedures. As these processes are reliant on initial manual paper-based data capture, external verification of completeness of data capture is difficult.

Schedule 18

Certification for Year-end Disclosures

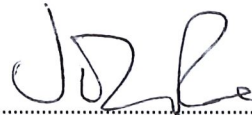
Clause 2.9.2

We, Matanuku Mahuka and John Rae being directors of Eastland 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 14 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 except in the case of recording of outage information contained in Schedule 10. While we believe that sufficient records are maintained, third party verification of the completeness of this data is difficult to achieve.
- c) In respect of information concerning assets, costs and revenues valued or disclosed in accordance with clause 2.3.6 of the Electricity Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012, we are satisfied that-
 - i. the costs and values of assets or goods or services acquired from a related party comply, in all material respects, with clauses 2.3.6(1) and 2.3.6(3) of the Electricity Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5)(a)-2.2.11(5)(b) of the Electricity Distribution Services Input Methodologies Determination 2012; and
 - ii. the value of assets or goods or services sold or supplied to a related party comply, in all material respects, with clause 2.3.6(2) of the Electricity Distribution Information Disclosure Determination 2012.



.....
(Director)



.....
(Director)

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 required to be disclosed in accordance with the Electricity Distribution Information Disclosure Determination 2012 ('the Information Disclosure Determination') for the disclosure year ended 31 March 2019, has been prepared, in all material respects, in accordance with the Information Disclosure Determination.

The disclosure information required to be reported by the Company, and audited by the Auditor-General, under the Information Disclosure Determination, is in Schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the disclosure that shows the connection between the Electricity Distribution Business ('EDB') and the related parties with which it has had related party transactions in the disclosure year, the disclosure of the EDB's related party procurement policy, the disclosures about related party transactions required under clause 2.3.12 of the Information Disclosure Determination and the explanatory notes in boxes 1 to 11 in Schedule 14 ('the Disclosure Information').

- whether the Company's basis for valuation of related party transactions ('the Related Party Transaction Information') for the disclosure year ended 31 March 2019, has been prepared, in all material respects, in accordance with clause 2.3.6 of the Information Disclosure Determination, and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012 ('the Input Methodologies Determination').

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;
- the Disclosure Information complies, in all material respects, with the Information Disclosure Determination; and
- the Related Party Transaction Information complies, in all material respects, with the Information Disclosure Determination and the Input Methodologies Determination.

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

Basis for 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 (Revised): Compliance Engagements issued by the New Zealand Auditing and Assurance Standards 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, with the Information Disclosure Determination, and about whether the Related Party Transaction Information has been prepared, in all material respects, with the Information Disclosure Determination and the Input Methodologies Determination. Reasonable assurance is a high level of assurance.

We have performed procedures to obtain evidence about the amounts and disclosures in the Disclosure Information, and the basis of valuation in the Related Party Transaction Information. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the Disclosure Information and the Related Party Transaction Information, whether due to fraud, error or non-compliance with the Information Disclosure Determination or the Input Methodologies Determination. In

making those risk assessments, we considered internal control relevant to the Company's preparation of the Disclosure Information and the Related Party Transaction 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.

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 or the Related Party Transaction Information nor do we guarantee complete accuracy of the Disclosure Information or the Related Party Transaction Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information or the Related Party Transaction Information.

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

Key Audit Matters

Key audit matters are those matters that, in our professional judgement, required significant attention when carrying out the assurance engagement during the current disclosure year. These matters were addressed in the context of our audit, and in forming our opinion. We do not provide a separate opinion on these matters.

Key audit matter	How our audit addressed the key audit matter
<p>Valuation of related party goods and services at arms-length</p> <p>The basis of valuation of related party transactions are required to be disclosed on Schedule 5b of the disclosure information.</p> <p>The Directors have determined that the related party transactions identified have occurred at arms-length by comparing related party terms and conditions, including pricing, to external transactions and information.</p> <p>The Company also charges related parties for line charges.</p> <p>The Company receives fault, maintenance and electrical contract services from related parties.</p> <p>The Company also receives administration services provided to the Company by its immediate holding company, Eastland Group Limited, and these services are on-charged in the form of a management fee using an annual allocation of costs.</p> <p>Due to the judgements and assumptions associated with the allocation of administration costs to the Company, along with the inherent judgment associated with the valuation of the goods or services on an arms-length basis, these matters have been identified as a key audit matter.</p>	<p>A detailed listing of all transactions impacting the company for the disclosure year ended 31 March 2019 was obtained and compared to the list of entities and transactions included on Schedule 5b. We also obtained management's methodology of how they determined the transactions were related party transactions and their assessment of these transactions at arm's length.</p> <p>Our procedures over the valuation of related party goods and services at arms-length included:</p> <p>Goods and services (excluding administration services)</p> <ul style="list-style-type: none">agreeing on a sample basis, the transactions listed on Schedule 5b to external transactions and information and tracing the amounts to the terms, conditions and prices of comparative external transactions or information. <p>Administration services</p> <ul style="list-style-type: none">obtaining the management fees calculation from Group management;assessing the rationale and basis of the management fees in line with our understanding of the Group;agreeing the the total costs allocated to budgets used to set the management fees and comparing to actual spend;tracing the inputs used to perform the calculation to supporting documentation as considered relevant; and

- recalculating the allocations and agreeing the amount charged to the Company reported on Schedule 5b.

Recording capital expenditure

The Company carries out a number of individual network system projects that can be either operational (network maintenance) or capital (asset replacement or network growth) in nature.

Professional judgement must be exercised in determining whether the costs are incurred in bringing the asset to working condition for its intended use and should be capitalised as part of the cost of the item, or whether the costs should be expensed as incurred. Further judgement is required in allocating the capital expenditure to the various asset categories that make up the Regulatory Asset Base.

A detailed budget is set each year for all projects that are expected to be undertaken. The budget is based on the 10 year Asset Management Plan.

The Company's policies and procedures require all projects, whether operational or capital in nature, to be signed off by senior management. The allocation of project costs between operational and capital in nature, the asset category (where relevant) and the comparison of actual costs to budgeted costs is included in the sign off process.

Capital expenditure incurred for the disclosure year ended 31 March 2019 is included on Schedule 6a and amounted to \$11.5 million.

As the Company is subject to maximum allowable revenue limits set by the Commerce Commission and given that these limits are, in part, determined by the value of the Company's RAB, the level of judgement involved in the allocation of expenditure between operational and capital and allocating the capital expenditure to the various asset categories has been identified as a key audit matter.

We have obtained an understanding of the Company's capital expenditure process and method applied.

Our procedures over recording capital expenditure included:

- assessing whether the Company's capitalisation policy was in accordance with NZ IAS 16: Property, Plant and Equipment;
- testing the design, implementation and operating effectiveness of controls over the application of the policy to expenditure incurred on network system projects, including the allocation to the various asset categories and comparison to budgeted amounts; reconciling the total expenditure on assets to the total from the audited statutory financial statements;
- selecting a sample of assets and traced to supporting documentation. As part of the testing performed we assessed whether the item met the capitalisation requirements and, based on the description of the asset capitalised, that the asset was allocated to the correct asset category per Schedule 6a;
- assessing the amounts capitalised during the year against the budget set by management, as disclosed on Schedule 7(ii); and
- performing an analytical review whereby the percentage of assets allocated to the various asset categories disclosed on Schedule 4 for the past 10 disclosure years was compared to the percentage of allocated assets for the disclosure year ended 31 March 2019.

Directors' responsibility for the preparation of the Disclosure Information and the Related Party Transaction Information

The directors of the Company are responsible for preparation of:

- the Disclosure Information in accordance with the Information Disclosure Determination, and
- the Related Party Transaction Information in accordance with the Information Disclosure Determination and the Input Methodologies Determination,

and for such internal control as the directors determine is necessary to enable the preparation of the Disclosure Information and the Related Party Transaction Information that are free from material misstatement.

Our responsibility for the audit of the Disclosure Information and the Related Party Transaction Information

Deloitte.

Our responsibility is to express an opinion that provides reasonable assurance on whether the Disclosure Information complies, in all material respects, with the Information Disclosure Determination, and on whether the Related Party Transaction Information complies, in all material respects, with the Information Disclosure Determination and the Input Methodologies Determination.

Independence and quality control

When carrying out the engagement, we complied:

- 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
- the independence requirements specified in the Information Disclosure Determination; and
- the Auditor-General's 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.

The Auditor-General, and his employees, and Deloitte Limited 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.

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 Information Disclosure Determination, and about whether the Related Party Transaction Information has been prepared in all material respects with the Information Disclosure Determination and the Input Methodologies 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.



Trevor Deed, Partner
For Deloitte Limited
On behalf of the Auditor-General
Wellington, New Zealand
27 August 2019

Eastland Network Limited

Diagram of Related Parties

Eastland Network Limited is part of the wider Eastland Group of companies that is ultimately owned by the Eastland Community Trust.

Eastland Network Limited, Eastland Generation Limited, Eastland Energy Solutions Limited and Eastech Limited are owned by Eastland Group Limited.

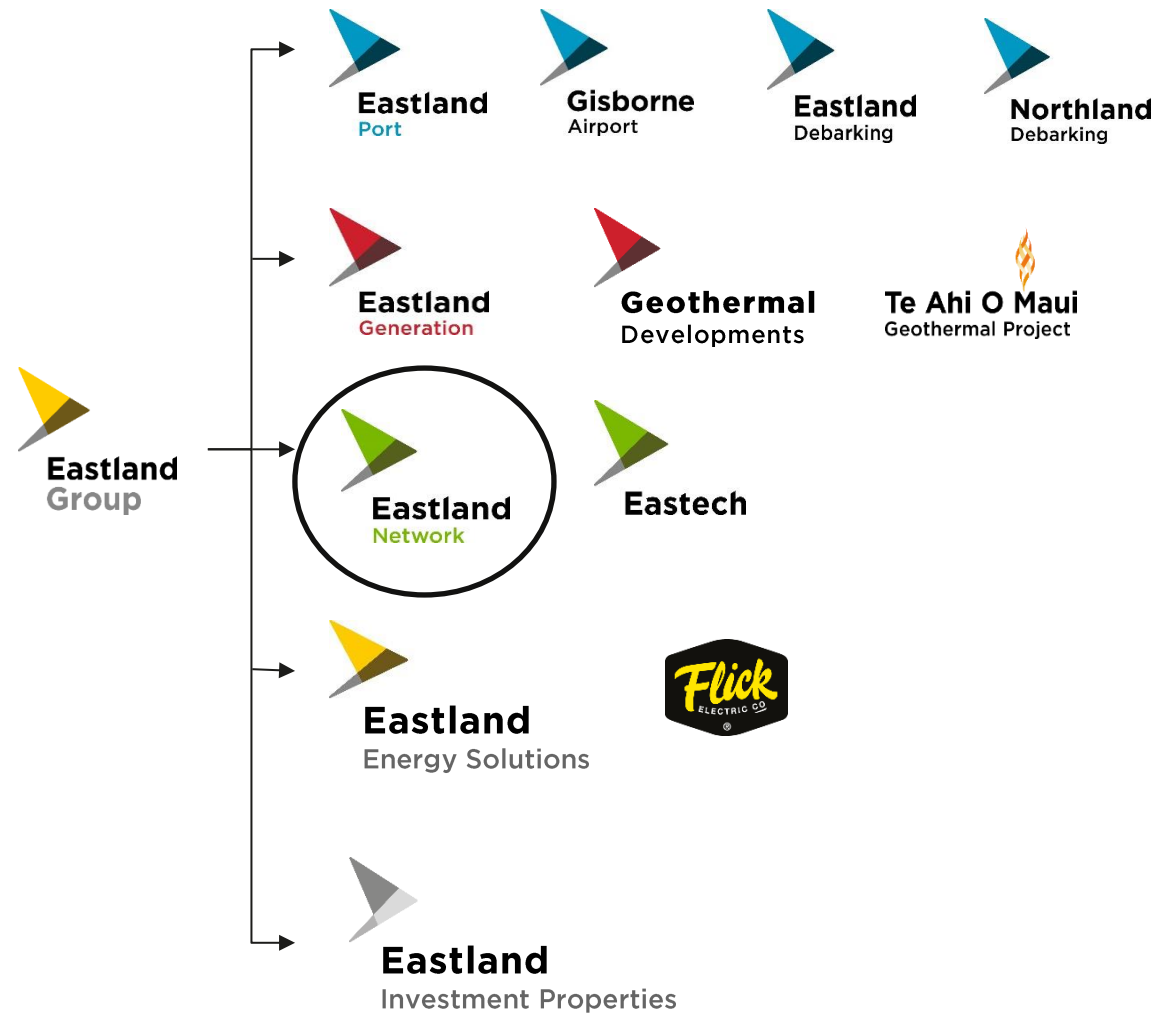
- Eastland Generation Limited** owns and operates the Waihi 5MW hydro power station and six 1MW diesel generators.

The Waihi hydro power station and the Mahia located diesel generator are based in the Wairoa region and provide support by reducing load on the distribution network during peak periods. They also reduce Regional Coincident Peak Demand (RCPD) which results in a saving of transmission interconnection charges from Transpower. By reducing peak loads, these generators also assist Eastland Network in avoiding upgrades to network assets in the Wairoa region.

The five diesel generators based in the Gisborne region are mainly located in rural areas and not only assist in deferring investment in network upgrades but also provide n-1 security to these rural locations where the cost of installing a second line would be significantly greater than the cost of running a generator from time to time. These generators occasionally also reduce RCPD and Transpower charges.

Eastland Network pay Avoided Costs of Transmission/Distributed Generation Allowances and Avoided Costs of Distribution to Eastland Generation for the support provided by their generation.

Total expenditure incurred with Eastland Generation during the year ended 31 March 2019 was \$1.675m.



Eastland Network also receives lines charges from Eastland Generation for providing a connection to the network. These charges are in accordance with our Pricing Methodology and Pricing Schedule which are published on our website.

- **Eastech Limited** are contracted by Eastland Network to provide first response fault and maintenance services to Eastland Network. Eastech is owned by Eastland Group Limited. Eastech also provide lines contracting services to external third parties. Each year the rates for all contractors including Eastech are discussed and negotiated. Rates are standard and fairly consistent across all contractors. Eastech are also paid an availability fee which is a payment made to cover the costs of having staff on-call and not able to charge out for fault work. This fee varies from year to year depending on levels of fault work. This more fault work in a year typically results in a lower payment for availability.

Total expenditure incurred with Eastech Limited during the year ended 31 March 2019 was \$1.600m.

- **Eastland Group Limited** is the owner of Eastland Network Limited and the other entities in the Eastland group of companies shown in the above table. Eastland Group provides governance, strategic leadership, finance, IT, HR and other shared services across the Eastland Group of companies. Eastland Network Limited and others within the Eastland group of companies are charged a management fee for the services provided by shared services. The management fee is allocated to Eastland Network using various allocators such as FTEs, No. of computer devices, phones, asset value.

Total expenditure incurred with Eastland Group during the year ended 31 March 2019 was \$2.266m.

- **Flick Energy** is a retailer in which Eastland Energy Solutions Limited is a 20.63% shareholder. Flick is a retailer that acquires electricity distribution services from Eastland Network to transport electricity to their customers in the Eastland region. Eastland Network Limited has a standard Use of System Agreement with Flick Energy, a copy of which is available on our website. The agreement is the same as that provided to all the retailers that have customers in the Eastland region. The same pricing is applied to all retailers equally regardless of ownership. This pricing schedule is published annually on our website and in our Pricing Methodology document.

Additional Related Party Information Disclosures 2019

Related Party Procurement Policy Summary

All related party procurements should be determined on an arm's length basis. This could be in reference to the market or to benchmarks where no market exists. Where an appropriate benchmark cannot be found or used, then there may be a need to obtain an independent report to verify whether or not Eastland Network will pay or has paid no more than they would have paid had they entered into an arm's length transaction.

Practical application of the related party procurement policy

Faults and Lines maintenance services

Faults and lines maintenance services are procured from a number of independent contractors. However, some of these services are also provided by a related party. Each year, the rates for contractors are negotiated and a rate card system applies for the following 12 month period. The charges from the related party are compared to those of other independent contractors to verify that the rate and charges are similar.

- Representative example transaction

Replace broken pole -

Faultman - A. Smith	5 units	X \$100*	\$ 500.00
Faultman - B. Smith	5 units	X \$100*	\$ 500.00
Bucket Truck - ABT123	5 units	X \$50*	\$ 250.00
Materials (Pole etc) as per attached invoice + Agreed mark-up			<u>\$ 950.00</u>
Subtotal			\$2,200.00
GST			<u>\$ 330.00</u>
Total			<u>\$2,530.00</u>

*Note - Values are not actual rates which are commercially confidential

Generation services

Generation services are provided from a related party for network security of supply and to reduce the impact of outages in rural areas. Eastland have these services valued by an independent consultant. This valuation has been reviewed/updated on several occasions with the last review being completed in March 2019.

- Representative example transaction

Monthly charge for the provision of Network support (Wairoa and Gisborne) \$100,000*

*Note - Values are not actual rates which are commercially confidential

Shared Services

Eastland Group provide a range of services to Eastland Network which are services shared across the entire Eastland Group. The value of these services was reviewed in July 2019.

- Representative example transaction

Monthly charge for the provision of Shared Services	\$100,000*
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*Note - Values are not actual rates which are commercially confidential



Related Party Information Disclosure:

Forecast Opex expenditure 2019

1- 11kV Tree Control Program Gisborne - \$4,500,000

Vegetation management represents approximately 8.61% of the operational expenditure forecast for the planning period. It is a means of preventative maintenance to help with security and reliability of the network. The highlighted feeders represent the Matawai, Whatatutu and Te Arai feeders where a high prioritisation of tree control is emphasised currently. Vegetation management is continuous and on-going.

2- 11kV Fault Management – \$5,000,000

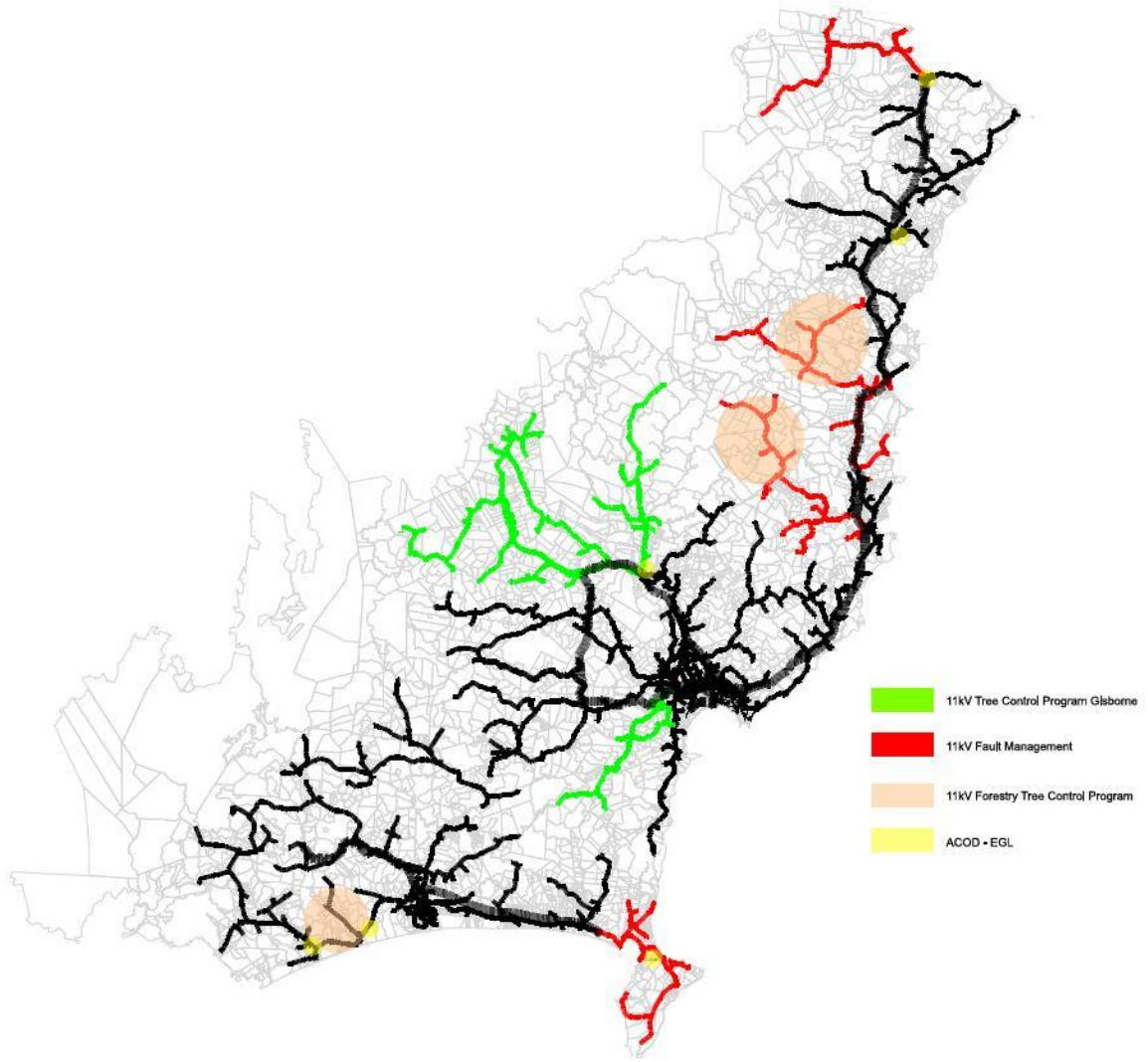
11kV Fault Management is one of the largest contributors of the operational expenditure forecast for the planning period, responsible for 11.58% of the maintenance expenditure. Fault management is reactive in nature and transpires when a fault or accident occurs on the network. With the focus being the restoration of the network and asset recovery. Highlighted on the territory maps are feeders which from historical data tend to be more susceptible to outages and faults (refer to section 8.2.4). 11kV fault management is continuous and on-going. Fault repairs are contracted to be carried out by Eastech. Eastech is a related party of Eastland Network as part of the wider Eastland Group of companies.

3- 11kV Forestry Tree Control Program - \$2,500,00

In 2010 a specific project to target commercial forestry blocks was developed to help with network performance and maintenance. Forestry corridors that have been identified as cause of outages due to falling trees have been targeted. Work continues together with land owners and contractors to promote wider corridors and clearways for tree falling distance of the 11kV network.

4- ACOD – EGL - \$14,210,000

Incorporated into the operational expenditure forecast is the annual ACOD expenditure which is paid to Eastland Generation Limited. Eastland Generation is a related party and the owner of the Waihi Hydro Scheme and six diesel generation units. Eastland Network utilises the diesel generators dispersed throughout the Gisborne and Wairoa regions, including Waihua, Raupunga, Mahia, Puha, Tolaga Bay and Ruatoria areas. They are key in helping to mitigate outages times and network recovery and over the past 8 years have on average, helped avoid 300 SAIDI minutes p.a. The payment is made to network connected distribution generation in recognition of avoiding investment in additional distribution assets and upgrading of transmission assets whilst still providing adequate performance levels.



Related Party Information Disclosure:

Forecast Capex expenditure 2019

1- Whangara Sub – \$1,507,721.00

Development of a provisional 2.5MW substation located between Tolaga Bay and Kaiti Sub has been investigated.

Trigger – Subject to future load growth a new substation may be needed to meet the requirements of the Wainui Area/ Provisionally scheduled for 2024-2026

Location – Situated between Kaiti and Tolaga Bay Subs, approx. halfway

2- North Clyde GXP - \$1,340,196.00

Sub-transmission development of the 110/11kV transformers being replaced with 110/33kV transformers and installing a new GXP to maintain contingent capacity for the customers feed from Kiwi Sub

Trigger – Projected growth of industrial loads within the Wairoa CBD has prompted the development of possible options to account for future growth demands. Commencement of options to be deferred until necessary.

Location – Corner Hunterbrown/Carroll Street Wairoa

3- Replace 11kV SWGR - \$1,320,00.00

11kV Switchgear at the Matawhero, Kaiti, Kiwi and Parkinson zone substations is programmed for replacement or renewal.

Trigger – Age assessment conditions and identified defects has resulted in planned renewals and replacements of switchgear at multiple substations. Replacements have been scheduled to begin in 2021 through to 2027.

Location – Matawhero, Kaiti, Kiwi, Parkinson.

4- Mahia 33kV Extension - \$1,155,00.00

A new small zone substation is to be established approximately 6.5km north of Blacks Pad sub, upgrading the 1.5MVA Transformer to a 2.5MVA transformer and extending the Wairoa to Mahia 33kV line.

Trigger – The demand growth forecast for Mahia is expected to increase in the near future and in it's current state the demand from the Mahia feeder is exceeding the capacity of the 1.5MVA transformer at Blacks Pad as a high influx of customers visit the area seasonally. Implementation of the project has been delayed as obtaining suitable land and easements over private property has caused challenges and delays in commencement.

Location – Mahia/Blacks Pad 6km up

5- Massey Sub - \$1,100,00.00

An option has been identified to extend the Gisborne Substation 50kV Bus to create 2 additional bays. The 50kV line to Kaiti and the Coast can then be separated and a new short 50kV line can be developed to a new substation housing a 50kV/11kV 12.5MW transformer.

Trigger - Investigations showed that the development of a new substation near Gisborne sub would help reduce load and increase support for the Makaraka, Carnarvon and Kaiti substations while also helping with security constraints and back feed options.

Location - Gisborne Sub

6- 5MVA 50/11kV TX (Puha) - \$600,00.00

Renewal of the single-phase transformers located at Puha substation has been identified. A new 5MVA 50/11kV transformer is to be implemented at the substation replacing the old single phase transformer.

Trigger - Age assessment conditions identified a need to renew the Puha Transformer which is scheduled for renewal between 2020 and 2021.

Location - Puha Substation

7- Install 2nd ripple injection Point Gisborne - \$558,415.00

Development of another ripple injection plant to be implemented at the Makaraka zone substation.

Trigger - Age condition assessments resulted in an investigation for future proofing of the ripple plant and to meet the future demand growth expected within the CBD. Project expected to begin in 2024.

Location - Makaraka substation

8- GIS 50kV C1 2nd Cap Bank - \$545,119.00

Installation of a new 6MVAr capacitor bank from the 50kV line situated at Gisborne substation.

Trigger - Investigations showed that thermal upgrades of conductor will increase capacity however the limiting factor was voltage constraints. To help mitigate these constraints the introduction of a new capacitor bank was developed and scheduled for commencement in 2024.

Location - Gisborne Sub

9- Moana Road bypass - Dalton feeder - \$536,078.00

An option to introduce an 11kV by-pass on the Dalton feeder near Sponge Bay has been developed.

Trigger - Investigations have shown that a by-pass system can be implemented along the Dalton Feeder near Sponge Bay road, which would help increase reliability and security by providing more options for back feeding. Scheduled for commencement from 2027-2028.

Location -Sponge Bay Road

10- Replace T1 Patutahi - \$385,000.00

Upgrading of the current Patutahi substation to a 12MW transformer has been identified.

Trigger - The increase in capacity is used as contingency measures should a short fall in the Matawhero area occur. The provision is scheduled for post 2026.

Location - Patutahi Sub

