COMMERCE COMMISSION NEW ZEALAND

EDB Information Disclosure Requirements
Information Templates
for
Schedules 1–10

Company Name	Eastland Network
Disclosure Date	31 March 2022
Disclosure Year (year ended)	31 March 2022

Templates for Schedules 1–10 excluding 5f–5g

Template Version 4.1. Prepared 21 December 2017

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Company Name	**Eastland Network**
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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

sch ref		Expenditure per GWh energy delivered to ICPs ($/GWh)	Expenditure per average no. of ICPs ($/ICP)	Expenditure per MW maximum coincident system demand ($/MW)	Expenditure per km circuit length ($/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers ($/MVA)
8						
9	**Operational expenditure**	42,089	470	183,479	3,072	53,777
10	Network	19,637	219	85,601	1,433	25,089
11	Non-network	22,453	251	97,878	1,639	28,688
12						
13	**Expenditure on assets**	31,297	349	136,432	2,284	39,988
14	Network	30,490	340	132,914	2,225	38,957
15	Non-network	807	9	3,518	59	1,031
16						

17 ### 1(ii): Revenue metrics

sch ref		Revenue per GWh energy delivered to ICPs ($/GWh)	Revenue per average no. of ICPs ($/ICP)
18			
19	**Total consumer line charge revenue**	107,693	1,202
20	Standard consumer line charge revenue	107,693	1,202
21	Non-standard consumer line charge revenue	–	–
22			

23 ### 1(iii): Service intensity measures

sch ref			
24			
25	Demand density	17	*Maximum coincident system demand per km of circuit length (for supply) (kW/km)*
26	Volume density	73	*Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)*
27	Connection point density	7	*Average number of ICPs per km of circuit length (for supply) (ICPs/km)*
28	Energy intensity	11,162	*Total energy delivered to ICPs per average number of ICPs (kWh/ICP)*
29			

30 ### 1(iv): Composition of regulatory income

sch ref		($000)	% of revenue
31			
32	Operational expenditure	12,110	38.64%
33	Pass-through and recoverable costs excluding financial incentives and wash-ups	6,393	20.40%
34	Total depreciation	6,504	20.75%
35	Total revaluations	11,955	38.15%
36	Regulatory tax allowance	1,918	6.12%
37	Regulatory profit/(loss) including financial incentives and wash-ups	16,369	52.23%
38	**Total regulatory income**	31,340	
39			

40 ### 1(v): Reliability

sch ref			
41			
42	Interruption rate	21.74	*Interruptions per 100 circuit km*

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SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).

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

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref		CY-2	CY-1	Current Year CY
7	**2(i): Return on Investment**			
8		**31 Mar 20**	**31 Mar 21**	**31 Mar 22**
9	**ROI – comparable to a post tax WACC**	**%**	**%**	**%**
10	Reflecting all revenue earned	8.67%	3.84%	9.41%
11	Excluding revenue earned from financial incentives	6.81%	3.74%	9.37%
12	Excluding revenue earned from financial incentives and wash-ups	6.90%	3.74%	9.37%
13				
14	**Mid-point estimate of post tax WACC**	4.27%	3.71%	3.52%
15	25th percentile estimate	3.59%	3.04%	2.84%
16	75th percentile estimate	4.95%	4.40%	4.20%
17				
18				
19	**ROI – comparable to a vanilla WACC**			
20	Reflecting all revenue earned	9.10%	4.17%	9.71%
21	Excluding revenue earned from financial incentives	7.23%	4.07%	9.66%
22	Excluding revenue earned from financial incentives and wash-ups	7.33%	4.07%	9.66%
23				
24	**WACC rate used to set regulatory price path**	7.19%	4.57%	4.57%
25				
26	**Mid-point estimate of vanilla WACC**	4.69%	4.05%	3.82%
27	25th percentile estimate	4.01%	3.37%	3.14%
28	75th percentile estimate	5.37%	4.73%	4.50%
29				

sch ref					
30	**2(ii): Information Supporting the ROI**			**($000)**	
31					
32		Total opening RAB value	172,870		
33	*plus*	Opening deferred tax	(8,774)		
34	**Opening RIV**			164,096	
35					
36	**Line charge revenue**			30,984	
37					
38		Expenses cash outflow	18,503		
39	*add*	Assets commissioned	9,630		
40	*less*	Asset disposals	88		
41	*add*	Tax payments	6,481		
42	*less*	Other regulated income	355		
43	**Mid-year net cash outflows**			34,171	
44					
45	**Term credit spread differential allowance**			–	
46					
47		Total closing RAB value	188,035		
48	*less*	Adjustment resulting from asset allocation	193		
49	*less*	Lost and found assets adjustment	(21)		
50	*plus*	Closing deferred tax	(4,211)		
51	**Closing RIV**			183,652	
52					
53	**ROI – comparable to a vanilla WACC**				9.71%
54					
55		Leverage (%)			42%
56		Cost of debt assumption (%)			2.54%
57		Corporate tax rate (%)			28%
58					
59	**ROI – comparable to a post tax WACC**				9.41%
60					

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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).

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

61 ### 2(iii): Information Supporting the Monthly ROI

63 **Opening RIV** N/A

sch ref		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**	–	–	–	–	–	–

sch ref		
81	**Tax payments**	N/A
83	**Term credit spread differential allowance**	N/A
85	**Closing RIV**	N/A
88	**Monthly ROI – comparable to a vanilla WACC**	N/A
90	**Monthly ROI – comparable to a post tax WACC**	N/A

92 ### 2(iv): Year-End ROI Rates for Comparison Purposes

sch ref		
94	**Year-end ROI – comparable to a vanilla WACC**	9.62%
96	**Year-end ROI – comparable to a post tax WACC**	9.33%

98 ** 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.*

100 ### 2(v): Financial Incentives and Wash-Ups

sch ref			
102	Net recoverable costs allowed under incremental rolling incentive scheme	–	
103	Purchased assets – avoided transmission charge	–	
104	Energy efficiency and demand incentive allowance		
105	Quality incentive adjustment	112	
106	Other financial incentives		
107	**Financial incentives**		112
109	**Impact of financial incentives on ROI**		0.05%
111	Input methodology claw-back		
112	CPP application recoverable costs		
113	Catastrophic event allowance		
114	Capex wash-up adjustment	–	
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**		–
121	**Impact of wash-up costs on ROI**		–

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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

sch ref		3(i): Regulatory Profit	($000)
8		**Income**	
9		Line charge revenue	30,984
10	*plus*	Gains / (losses) on asset disposals	(33)
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)	388
12			
13		**Total regulatory income**	31,340
14		**Expenses**	
15	*less*	Operational expenditure	12,110
16			
17	*less*	Pass-through and recoverable costs excluding financial incentives and wash-ups	6,393
18			
19		**Operating surplus / (deficit)**	12,837
20			
21	*less*	Total depreciation	6,504
22			
23	*plus*	Total revaluations	11,955
24			
25		**Regulatory profit / (loss) before tax**	18,288
26			
27	*less*	Term credit spread differential allowance	–
28			
29	*less*	Regulatory tax allowance	1,918
30			
31		**Regulatory profit/(loss) including financial incentives and wash-ups**	16,369
32			

sch ref	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	($000)	
34	**Pass through costs**		
35	Rates	254	
36	Commerce Act levies	53	
37	Industry levies	87	
38	CPP specified pass through costs	–	
39	**Recoverable costs excluding financial incentives and wash-ups**		
40	Electricity lines service charge payable to Transpower	5,495	
41	Transpower new investment contract charges	75	
42	System operator services	–	
43	Distributed generation allowance	405	
44	Extended reserves allowance	–	
45	Other recoverable costs excluding financial incentives and wash-ups	25	
46	**Pass-through and recoverable costs excluding financial incentives and wash-ups**		6,393
47			

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SCHEDULE 3: REPORT ON REGULATORY PROFIT

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sch ref

48	**3(iii): Incremental Rolling Incentive Scheme**		**($000)**	
49			**CY-1**	**CY**
50			**31 Mar 21**	**31 Mar 22**
51	Allowed controllable opex			
52	Actual controllable opex			
53				
54	Incremental change in year			
55				
56			**Previous years' incremental change**	**Previous years' incremental change adjusted for inflation**
57	CY-5	31 Mar 17		
58	CY-4	31 Mar 18		
59	CY-3	31 Mar 19		
60	CY-2	31 Mar 20		
61	CY-1	31 Mar 21		
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	*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)*			
69	**3(v): Other Disclosures**			
70				**($000)**
71	Self-insurance allowance			

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

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.

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

sch ref

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

sch ref		for year ended	RAB 31 Mar 18 ($000)	RAB 31 Mar 19 ($000)	RAB 31 Mar 20 ($000)	RAB 31 Mar 21 ($000)	RAB 31 Mar 22 ($000)
10	**Total opening RAB value**		151,867	154,613	161,678	166,071	172,870
11							
12	*less* **Total depreciation**		5,692	6,089	6,248	6,483	6,504
13							
14	*plus* **Total revaluations**		1,665	2,288	4,044	2,518	11,955
15							
16	*plus* **Assets commissioned**		7,061	11,756	8,529	10,983	9,630
17							
18	*less* **Asset disposals**		289	162	–	–	88
19							
20	*plus* **Lost and found assets adjustment**		–	–	–	–	(21)
21							
22	*plus* **Adjustment resulting from asset allocation**		(0)	(728)	(1,931)	(219)	193
23							
24	**Total closing RAB value**		154,613	161,678	166,071	172,870	188,035
25							

4(ii): Unallocated Regulatory Asset Base

sch ref		Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
29	**Total opening RAB value**		175,807		172,870
30	*less*				
31	**Total depreciation**		6,504		6,504
32	*plus*				
33	**Total revaluations**		12,159		11,955
34	*plus*				
35	Assets commissioned (other than below)	9,630		9,630	
36	Assets acquired from a regulated supplier				
37	Assets acquired from a related party				
38	**Assets commissioned**		9,630		9,630
39	*less*				
40	Asset disposals (other than below)	88		88	
41	Asset disposals to a regulated supplier				
42	Asset disposals to a related party				
43	**Asset disposals**		88		88
44					
45	*plus* **Lost and found assets adjustment**		(21)		(21)
46					
47	*plus* **Adjustment resulting from asset allocation**				193
48					
49	**Total closing RAB value**		190,982		188,035

** 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.*

50

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

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.

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

sch ref

51

52 4(iii): Calculation of Revaluation Rate and Revaluation of Assets

sch ref			Unallocated RAB *		RAB	
53						
54		CPI_4				1,142
55		CPI_4^{-4}				1,068
56		Revaluation rate (%)				6.93%
57						
58			**Unallocated RAB ***		**RAB**	
59			**($000)**	**($000)**	**($000)**	**($000)**
60		Total opening RAB value	175,807		172,870	
61	*less*	Opening value of fully depreciated, disposed and lost assets	329		329	
62						
63		Total opening RAB value subject to revaluation	175,477		172,541	
64		**Total revaluations**		12,159		11,955
65						

66 4(iv): Roll Forward of Works Under Construction

sch ref			Unallocated works under construction		Allocated works under construction	
67			**Unallocated works under construction**		**Allocated works under construction**	
68		**Works under construction—preceding disclosure year**		2,495		346
69	*plus*	Capital expenditure	10,239		10,239	
70	*less*	Assets commissioned	9,630		9,630	
71	*plus*	Adjustment resulting from asset allocation			193	
72		**Works under construction - current disclosure year**		3,104		1,147
73						
74		Highest rate of capitalised finance applied				
75						

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

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.

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

sch ref

76 ### 4(v): Regulatory Depreciation

sch ref		Unallocated RAB *		RAB	
78		($000)	($000)	($000)	($000)
79	Depreciation - standard	6,504		6,504	
80	Depreciation - no standard life assets				
81	Depreciation - modified life assets				
82	Depreciation - alternative depreciation in accordance with CPP				
83	**Total depreciation**		6,504		6,504
84					

85 ### 4(vi): Disclosure of Changes to Depreciation Profiles

($000 unless otherwise specified)

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

95 ** include additional rows if needed*

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

97 **($000 unless otherwise specified)**

sch ref			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**	18,269	1,468	24,399	62,265	26,150	17,812	8,755	5,332	8,420	172,870
100	*less*	Total depreciation	698	36	1,039	2,051	817	700	410	353	398	6,504
101	*plus*	Total revaluations	1,250	102	1,717	4,242	1,870	1,247	614	358	553	11,955
102	*plus*	Assets commissioned	869	–	1,883	3,722	889	755	626	287	599	9,630
103	*less*	Asset disposals	–	–	–	–	–	–	–	–	88	88
104	*plus*	Lost and found assets adjustment	–	–	–	–	–	–	–	–	(21)	(21)
105	*plus*	Adjustment resulting from asset allocation	–	–	–	–	–	–	–	–	193	193
106	*plus*	Asset category transfers	(184)	(0)	430	(913)	859	199	115	(115)	(392)	–
107		**Total closing RAB value**	19,506	1,534	27,389	67,266	28,951	19,314	9,700	5,509	8,866	188,035
108												
109		**Asset Life**										
110		Weighted average remaining asset life	38.9	40.4	33.7	41.1	41.3	32.2	27.4	17.6	17.3	(years)
111		Weighted average expected total asset life	55.6	54.2	44.7	55.7	58.7	44.7	38.5	24.8	23.7	(years)

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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

sch ref					
7		**5a(i): Regulatory Tax Allowance**		**($000)**	
8		**Regulatory profit / (loss) before tax**		18,288	
9					
10	*plus*	Income not included in regulatory profit / (loss) before tax but taxable			*
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	2		*
12		Amortisation of initial differences in asset values	1,901		
13		Amortisation of revaluations	345		
14				2,247	
15					
16	*less*	Total revaluations	11,955		
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	1,729		
21				13,684	
22					
23		**Regulatory taxable income**		6,851	
24					
25	*less*	Utilised tax losses			
26		Regulatory net taxable income		6,851	
27					
28		Corporate tax rate (%)	28%		
29		**Regulatory tax allowance**		1,918	
30					
31	*	Workings to be provided in Schedule 14			
32		**5a(ii): Disclosure of Permanent Differences**			
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).			
34		**5a(iii): Amortisation of Initial Difference in Asset Values**		**($000)**	
35					
36		Opening unamortised initial differences in asset values	39,874		
37	*less*	Amortisation of initial differences in asset values	1,901		
38	*plus*	Adjustment for unamortised initial differences in assets acquired			
39	*less*	Adjustment for unamortised initial differences in assets disposed			
40		Closing unamortised initial differences in asset values		37,974	
41					
42		Opening weighted average remaining useful life of relevant assets (years)		21	
43					

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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

sch ref				
44		**5a(iv): Amortisation of Revaluations**		**($000)**
45				
46		Opening sum of RAB values without revaluations	158,607	
47				
48		Adjusted depreciation	6,159	
49		Total depreciation	6,504	
50		Amortisation of revaluations		345
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**	(8,774)	
61				
62	*plus*	Tax effect of adjusted depreciation	1,724	
63				
64	*less*	Tax effect of tax depreciation	(3,399)	
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	(25)	
73				
74	*plus*	Deferred tax cost allocation adjustment	(54)	
75				
76		**Closing deferred tax**		(4,211)
77				
78		**5a(vii): Disclosure of Temporary Differences**		
79		*In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).*		
80				
81		**5a(viii): Regulatory Tax Asset Base Roll-Forward**		
82				**($000)**
83		**Opening sum of regulatory tax asset values**	81,669	
84	*less*	Tax depreciation	(12,139)	
85	*plus*	Regulatory tax asset value of assets commissioned	9,630	
86	*less*	Regulatory tax asset value of asset disposals	–	
87	*plus*	Lost and found assets adjustment	–	
88	*plus*	Adjustment resulting from asset allocation	–	
89	*plus*	Other adjustments to the RAB tax value	–	
90		**Closing sum of regulatory tax asset values**		103,439

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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			
7	**5b(i): Summary—Related Party Transactions**	**($000)**	**($000)**
8	**Total regulatory income**		785
9			
10	**Market value of asset disposals**		
11			
12	Service interruptions and emergencies	–	
13	Vegetation management	–	
14	Routine and corrective maintenance and inspection	–	
15	Asset replacement and renewal (opex)	369	
16	**Network opex**		369
17	Business support	2,474	
18	System operations and network support	–	
19	**Operational expenditure**		2,843
20	Consumer connection	–	
21	System growth	–	
22	Asset replacement and renewal (capex)	–	
23	Asset relocations	–	
24	Quality of supply	–	
25	Legislative and regulatory	–	
26	Other reliability, safety and environment	–	
27	**Expenditure on non-network assets**		–
28	**Expenditure on assets**		–
29	Cost of financing		
30	Value of capital contributions		
31	Value of vested assets		
32	**Capital Expenditure**		–
33	**Total expenditure**		2,843
34			
35	**Other related party transactions**		98

36 **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)
38	Eastland Group Limited	Business support	2,474
39	Eastland Generation	Asset replacement and renewal (opex)	369
40			
41			
42			
43			
44			
45			
53			
53	**Total value of related party transactions**		2,843

54 ** include additional rows if needed*

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**

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

9

sch ref	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
11									
12									
13									
14									
15									
16	** include additional rows if needed*						–	–	–

17

18 ## 5c(ii): Attribution of Term Credit Spread Differential

19

sch ref			
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**
For Year Ended	**31 March 2022**

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

7 **5d(i): Operating Cost Allocations**

sch ref		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000s)
8			Value allocated ($000s)			
9		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000s)
10	**Service interruptions and emergencies**					
11	Directly attributable		2,066			
12	Not directly attributable				–	
13	**Total attributable to regulated service**		2,066			
14	**Vegetation management**					
15	Directly attributable		1,025			
16	Not directly attributable				–	
17	**Total attributable to regulated service**		1,025			
18	**Routine and corrective maintenance and inspection**					
19	Directly attributable		1,905			
20	Not directly attributable				–	
21	**Total attributable to regulated service**		1,905			
22	**Asset replacement and renewal**					
23	Directly attributable		654			
24	Not directly attributable				–	
25	**Total attributable to regulated service**		654			
26	**System operations and network support**					
27	Directly attributable		2,550			
28	Not directly attributable				–	
29	**Total attributable to regulated service**		2,550			
30	**Business support**					
31	Directly attributable		3,910			
32	Not directly attributable				–	
33	**Total attributable to regulated service**		3,910			
34						
35	**Operating costs directly attributable**		12,110			
36	**Operating costs not directly attributable**	–	–	–	–	–
37	**Operational expenditure**		12,110			
38						

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**

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**	
40	**Pass through and recoverable costs**	**($000)**
41	**Pass through costs**	
42	Directly attributable	394
43	Not directly attributable	
44	**Total attributable to regulated service**	394
45	**Recoverable costs**	
46	Directly attributable	5,999
47	Not directly attributable	
48	**Total attributable to regulated service**	5,999
49		

sch ref					
50	**5d(iii): Changes in Cost Allocations* †**				
51				**($000)**	
52	**Change in cost allocation 1**			**CY-1**	**Current Year (CY)**
53	Cost category		Original allocation		
54	Original allocator or line items		New allocation		
55	New allocator or line items		Difference	–	–
56					
57	Rationale for change				
58					
59					
60				**($000)**	
61	**Change in cost allocation 2**			**CY-1**	**Current Year (CY)**
62	Cost category		Original allocation		
63	Original allocator or line items		New allocation		
64	New allocator or line items		Difference	–	–
65					
66	Rationale for change				
67					
68					
69				**($000)**	
70	**Change in cost allocation 3**			**CY-1**	**Current Year (CY)**
71	Cost category		Original allocation		
72	Original allocator or line items		New allocation		
73	New allocator or line items		Difference	–	–
74					
75	Rationale for change				
76					
77					

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**
For Year Ended	**31 March 2022**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

5e(i): Regulated Service Asset Values

	Value allocated ($000s) Electricity distribution services
Subtransmission lines	
Directly attributable	19,506
Not directly attributable	
Total attributable to regulated service	19,506
Subtransmission cables	
Directly attributable	1,534
Not directly attributable	
Total attributable to regulated service	1,534
Zone substations	
Directly attributable	27,389
Not directly attributable	
Total attributable to regulated service	27,389
Distribution and LV lines	
Directly attributable	67,266
Not directly attributable	
Total attributable to regulated service	67,266
Distribution and LV cables	
Directly attributable	28,951
Not directly attributable	
Total attributable to regulated service	28,951
Distribution substations and transformers	
Directly attributable	19,314
Not directly attributable	
Total attributable to regulated service	19,314
Distribution switchgear	
Directly attributable	9,700
Not directly attributable	
Total attributable to regulated service	9,700
Other network assets	
Directly attributable	5,509
Not directly attributable	
Total attributable to regulated service	5,509
Non-network assets	
Directly attributable	8,866
Not directly attributable	
Total attributable to regulated service	8,866
Regulated service asset value directly attributable	188,035
Regulated service asset value not directly attributable	–
Total closing RAB value	188,035

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

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

			($000) CY-1	($000) Current Year (CY)
Change in asset value allocation 2				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

			($000) CY-1	($000) Current Year (CY)
Change in asset value allocation 3				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

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

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**

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		136
9		System growth		799
10		Asset replacement and renewal		7,495
11		Asset relocations		65
12		Reliability, safety and environment:		
13		Quality of supply	242	
14		Legislative and regulatory	8	
15		Other reliability, safety and environment	27	
16		**Total reliability, safety and environment**		277
17		**Expenditure on network assets**		8,772
18		Expenditure on non-network assets		232
19				
20		**Expenditure on assets**		9,005
21	*plus*	Cost of financing		
22	*less*	Value of capital contributions		–
23	*plus*	Value of vested assets		1,234
24				
25		**Capital expenditure**		10,239
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		*Consumer types defined by EDB**	**($000)**	**($000)**
32		Residential	55	
33		Commercial	81	
34		Industrial	–	
37		** include additional rows if needed*		
38		**Consumer connection expenditure**		136
39				
40	*less*	Capital contributions funding consumer connection expenditure		
41		**Consumer connection less capital contributions**		136
42		**6a(iv): System Growth and Asset Replacement and Renewal**		**Asset Replacement and**
43			**System Growth**	**Renewal**
44			**($000)**	**($000)**
45		Subtransmission	537	1,510
46		Zone substations	–	771
47		Distribution and LV lines	196	4,252
48		Distribution substations and transformers	66	484
49		Distribution switchgear	–	411
		Other network assets		121
		11kV Lines and Cables		(40)
50		Sub transmission Lines and Cables	–	(38)
51		Communications	–	24
52		**System growth and asset replacement and renewal expenditure**	799	7,495
53	*less*	Capital contributions funding system growth and asset replacement and renewal		
54		**System growth and asset replacement and renewal less capital contributions**	799	7,495
55				
56		**6a(v): Asset Relocations**		
57		*Project or programme**	**($000)**	**($000)**
58		Asset relocations (for Territorial authorities)	65	
63		** include additional rows if needed*		
64		All other projects or programmes - asset relocations		
65		**Asset relocations expenditure**		65
66	*less*	Capital contributions funding asset relocations		
67		**Asset relocations less capital contributions**		65

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**

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	*Project or programme**	**($000)**	**($000)**
71	SCADA Master Station Development	41	
	Trailer Mounted 30kVA Generator	0.5	
	11kV Field Recloser Automation Plan	73	
72	ENL - Capex Gensets	107	
73	Comms Replace Voice DMR servers	21	
76	** include additional rows if needed*		
77	All other projects programmes - quality of supply		
78	**Quality of supply expenditure**		242
79	*less* Capital contributions funding quality of supply		
80	**Quality of supply less capital contributions**		242
81	**6a(vii): Legislative and Regulatory**		
82	*Project or programme**	**($000)**	**($000)**
83	Other network assets	8	
88	** include additional rows if needed*		
89	All other projects or programmes - legislative and regulatory		
90	**Legislative and regulatory expenditure**		8
91	*less* Capital contributions funding legislative and regulatory		
92	**Legislative and regulatory less capital contributions**		8
93	**6a(viii): Other Reliability, Safety and Environment**		
94	*Project or programme**	**($000)**	**($000)**
95	Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety	27	
100	** include additional rows if needed*		
101	All other projects or programmes - other reliability, safety and environment		
102	**Other reliability, safety and environment expenditure**		27
103	*less* Capital contributions funding other reliability, safety and environment		
104	**Other reliability, safety and environment less capital contributions**		27
105			
106	**6a(ix): Non-Network Assets**		
107	**Routine expenditure**		
108	*Project or programme**	**($000)**	**($000)**
109	Test Instrument & Safety Equipment	46	
	Vehicle Replacement	134	
110	General Asset Replacement	37	
111	General Building Capex	6	
112	Wairoa Office Rebuild	8	
114	** include additional rows if needed*		
115	All other projects or programmes - routine expenditure		
116	**Routine expenditure**		232
117	**Atypical expenditure**		
118	*Project or programme**	**($000)**	**($000)**
119		–	
120			
124	** include additional rows if needed*		
125	All other projects or programmes - atypical expenditure		
126	**Atypical expenditure**		–
127			
128	**Expenditure on non-network assets**		232

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**

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			
7	**6b(i): Operational Expenditure**	**($000)**	**($000)**
8	Service interruptions and emergencies	2,066	
9	Vegetation management	1,025	
10	Routine and corrective maintenance and inspection	1,905	
11	Asset replacement and renewal	654	
12	**Network opex**		5,650
13	System operations and network support	2,550	
14	Business support	3,910	
15	**Non-network opex**		6,460
16			
17	**Operational expenditure**		12,110
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		404
23	** Direct billing expenditure by suppliers that directly bill the majority of their consumers*		

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.

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

sch ref		Target ($000) [1]	Actual ($000)	% variance
7	**7(i): Revenue**			
8	Line charge revenue	30,237	30,984	2%

sch ref		Forecast ($000) [2]	Actual ($000)	% variance
9	**7(ii): Expenditure on Assets**			
10	Consumer connection	156	136	(13%)
11	System growth	1,741	799	(54%)
12	Asset replacement and renewal	7,324	7,495	2%
13	Asset relocations	50	65	30%
14	Reliability, safety and environment:			
15	Quality of supply	105	242	131%
16	Legislative and regulatory	10	8	(24%)
17	Other reliability, safety and environment	120	27	(77%)
18	**Total reliability, safety and environment**	235	277	18%
19	**Expenditure on network assets**	9,506	8,772	(8%)
20	Expenditure on non-network assets	624	232	(63%)
21	Expenditure on assets	10,130	9,005	(11%)
22	**7(iii): Operational Expenditure**			
23	Service interruptions and emergencies	1,606	2,066	29%
24	Vegetation management	1,095	1,025	(6%)
25	Routine and corrective maintenance and inspection	1,592	1,905	20%
26	Asset replacement and renewal	738	654	(11%)
27	**Network opex**	5,031	5,650	12%
28	System operations and network support	2,783	2,550	(8%)
29	Business support	3,812	3,910	3%
30	**Non-network opex**	6,595	6,460	(2%)
31	**Operational expenditure**	11,626	12,110	4%
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	376	404	8%
42				

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

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

Company Name	Eastland Network
For Year Ended	31 March 2022
Network / Sub-Network Name	All

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

sch ref

8 ### 8(i): Billed Quantities by Price Component

sch ref	Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	Fixed	Variable Uncontrolled	Variable Controlled	Variable Night (Mass Market)	Variable Evening Peak (TOU)	Variable Morning Peak	Variable Off Peak	Variable Night (TOU)
11						Billed quantities by price component							
12					Price component	Fixed	Variable Uncontrolled	Variable Controlled	Variable Night (Mass Market)	Variable Evening Peak (TOU)	Variable Morning Peak	Variable Off Peak	Variable Night (TOU)
13					Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Days	kWh	kWh	kWh	kWh	kWh	kWh	kWh
15	DOMLFC	Domestic	Standard	13,542	71,406	4,943,681	35,047,584	15,575,491	–	–	7,233,855	13,548,778	–
16	DOMSTD	Domestic	Standard	6,698	59,489	2,443,801	31,650,434	12,887,435	–	–	5,102,659	9,848,545	–
17	COM0050	Non-Domestic, Commercial	Standard	4,605	39,230	1,680,659	31,416,454	2,203,422	–	–	1,739,975	3,870,569	–
18	COM0100	Non-Domestic, Commercial	Standard	418	24,903	152,594	19,601,077	441,534	–	–	1,347,498	3,512,498	–
19	COM0300	Non-Domestic, Commercial	Standard	112	22,585	40,881	10,472,838	–	–	2,006,383	3,289,098	3,981,787	2,834,580
20	COM0500	Non-Domestic, Commercial	Standard	21	9,262	7,818	–	–	–	1,426,123	2,215,624	2,906,964	2,713,077
21	COM1000	Non-Domestic, Commercial	Standard	24	30,068	8,821	–	–	–	4,708,845	7,133,170	9,458,910	8,767,498
22	COM4500	Non-Domestic, Industrial	Standard	3	22,549	1,095	–	–	–	3,581,315	5,153,597	6,958,827	6,854,871
23	COM6500	Non-Domestic, Industrial	Standard	1	6,088	365	–	–	–	746,342	1,848,837	1,969,650	1,523,666
24	GEN1000	Security - Gensets	Standard	6	-	–	–	–	–	–	–	–	–
25	GEN4500	Generation - Matawai Hydro	Standard	1	-	365	–	–	–	–	–	–	–
26	GEN6500	Generation - Waihi Hydro	Standard	1	136	365	136,271	–	–	–	–	–	–
27	OTH0003	Non-Domestic, Commercial	Standard	82	218	29,930	218,017	–	–	–	–	–	–
28	DUML	Non-Domestic, Distibuted Unmetered	Standard	231	1,738	1,759,082	1,737,573	–	–	–	–	–	–
29	STLGM	Non-Domestic, Streetlighting metered	Standard	31	39	51,858	39,214	–	–	–	–	–	–
30	*Add extra rows for additional consumer groups or price category codes as necessary*												
31			Standard consumer totals	25,775	287,711	11,121,315	130,319,462	31,107,882	–	12,469,008	35,064,313	56,056,528	22,693,692
32			Non-standard consumer totals	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
33			Total for all consumers	25,775	287,711	11,121,315	130,319,462	31,107,882	–	12,469,008	35,064,313	56,056,528	22,693,692

Company Name	Eastland Network
For Year Ended	31 March 2022
Network / Sub-Network Name	All

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.

36 ### 8(ii): Line Charge Revenues ($000) by Price Component

37

38

Row	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)
42	DOMLFC	Domestic	Standard	$9,992		$9,062	$930
43	DOMSTD	Domestic	Standard	$7,645		$5,331	$2,314
44	COM0050	Non-Domestic, Commercial	Standard	$5,518		$3,926	$1,592
45	COM0100	Non-Domestic, Commercial	Standard	$2,779		$2,235	$544
46	COM0300	Non-Domestic, Commercial	Standard	$1,592		$1,302	$290
47	COM0500	Non-Domestic, Commercial	Standard	$540		$441	$99
48	COM1000	Non-Domestic, Commercial	Standard	$1,410		$1,190	$220
49	COM4500	Non-Domestic, Industrial	Standard	$861		$752	$109
50	COM6500	Non-Domestic, Industrial	Standard	$268		$229	$39
51	GEN1000	Security - Gensets	Standard	–		$0	$0
52	GEN4500	Generation - Matawai Hydro	Standard	$28		$28	$0
53	GEN6500	Generation - Waihi Hydro	Standard	$44		$44	$0
54	OTH0003	Non-Domestic, Commercial	Standard	$42		$35	$7
55	DUML	Non-Domestic, Distibuted Unmetered	Standard	$259		$164	$95
56	STLGM	Non-Domestic, Streetlighting metered	Standard	$7		$4	$2
57	*Add extra rows for additional consumer groups or price category codes as necessary*						
58			Standard consumer totals	$30,984	$0.0	$24,742	$6,242
59			Non-standard consumer totals	n/a	n/a	n/a	n/a
60			Total for all consumers	$30,984	$0.0	$24,742	$6,242

Line charge revenues ($000) by price component

Row	Price category code	Fixed Component Only	Variable Uncontrolled	Variable Controlled	Variable Night (Mass Market)	Variable Evening Peak (TOU)	Variable Morning Peak	Variable Off Peak	Variable Night (TOU)
39/40	Rate (eg, $ per day, $ per kWh, etc.)	$ per day	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh
42	DOMLFC	$741.6	$5,000.3	$1,182.2	$0.0	$0.0	$1,500.3	$1,567.6	$0.0
43	DOMSTD	$4,784.0	$1,671.1	$378.9	$0.0	$0.0	$457.7	$353.6	$0.0
44	COM0050	$3,700.6	$1,489.1	$62.6	$0.0	$0.0	$140.4	$125.0	$0.0
45	COM0100	$1,185.4	$1,260.3	$18.7	$0.0	$0.0	$153.7	$160.5	$0.0
46	COM0300	$638.9	$531.0	$0.0	$0.0	$92.3	$141.1	$135.4	$53.3
47	COM0500	$229.6	$0.0	$0.0	$0.0	$65.6	$95.1	$98.8	$51.0
48	COM1000	$401.1	$0.0	$0.0	$0.0	$216.6	$306.0	$321.6	$164.8
49	COM4500	$124.5	$0.0	$0.0	$0.0	$160.8	$216.5	$233.1	$126.1
50	COM6500	$63.1	$0.0	$0.0	$0.0	$33.5	$77.5	$66.0	$28.0
51	GEN1000	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
52	GEN4500	$28.3	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
53	GEN6500	$38.7	$5.2	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
54	OTH0003	$14.2	$27.8	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
55	DUML	$107.1	$151.5	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
56	STLGM	$3.2	$3.4	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
58	Standard consumer totals	$12,060	$10,140	$1,642	$0	$569	$3,088	$3,062	$423
59	Non-standard consumer totals	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
60	Total for all consumers	$12,060	$10,140	$1,642	$0	$569	$3,088	$3,062	$423

61

62 ### 8(iii): Number of ICPs directly billed

Check: OK

63 Number of directly billed ICPs at year end: 7

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**All**

SCHEDULE 9a: ASSET REGISTER

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

sch ref

	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								
9	All	Overhead Line	Concrete poles / steel structure	No.	17,365	17,762	(397)	3
10	All	Overhead Line	Wood poles	No.	17,740	17,345	395	3
11	All	Overhead Line	Other pole types	No.	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	336	336	–	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	307	307	(0)	2
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	(0)	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	19	19	–	2
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	11	11	–	2
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	47	48	(1)	2
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	2	2	–	3
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	N/A
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	1	–	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	112	100	12	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	7	7	–	2
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	39	36	3	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,379	2,379	–	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	1	1	–	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	39	40	(1)	1
39	HV	Distribution Cable	Distribution UG PILC	km	102	101	2	1
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	38	44	(6)	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	15	15	–	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	4,410	4,433	(23)	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	73	81	(8)	4
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	287	282	5	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,047	3,062	(15)	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	556	562	(6)	4
48	HV	Distribution Transformer	Voltage regulators	No.	11	11	–	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	N/A
50	LV	LV Line	LV OH Conductor	km	504	504	0	1
51	LV	LV Cable	LV UG Cable	km	274	277	(3)	1
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	22	22	0	1
53	LV	Connections	OH/UG consumer service connections	No.	26,254	26,744	(490)	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	172	180	(8)	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1,111	1,188	(77)	1
56	All	Capacitor Banks	Capacitors including controls	No	1	1	–	3
57	All	Load Control	Centralised plant	Lot	8	8	–	2
58	All	Load Control	Relays	No	17,013	16,192	821	1
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
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								
9	All	Overhead Line	Concrete poles / steel structure	No.	13,971	14,201	(230)	3
10	All	Overhead Line	Wood poles	No.	13,764	13,538	226	3
11	All	Overhead Line	Other pole types	No.	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	269	269	(0)	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	180	180	–	2
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	–	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	17	17	–	2
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	5	5	–	2
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	44	44	–	2
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	3
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	N/A
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	N/A
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	86	74	12	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	5	5	–	2
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	25	22	3	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,698	1,698	(0)	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	–	–	–	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	35	35	(0)	1
39	HV	Distribution Cable	Distribution UG PILC	km	86	86	0	1
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	25	30	(5)	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	15	15	–	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,304	3,330	(26)	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	57	65	(8)	4
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	243	243	–	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,263	2,276	(13)	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	463	468	(5)	4
48	HV	Distribution Transformer	Voltage regulators	No.	8	8	–	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	N/A
50	LV	LV Line	LV OH Conductor	km	370	370	0	1
51	LV	LV Cable	LV UG Cable	km	221	224	(3)	1
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	21	21	0	1
53	LV	Connections	OH/UG consumer service connections	No.	21,283	21,707	(424)	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	133	138	(5)	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	950	1,026	(76)	1
56	All	Capacitor Banks	Capacitors including controls	No	1	1	–	3
57	All	Load Control	Centralised plant	Lot	5	5	–	2
58	All	Load Control	Relays	No	17,013	16,074	939	1
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
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								
9	All	Overhead Line	Concrete poles / steel structure	No.	3,394	3,561	(167)	3
10	All	Overhead Line	Wood poles	No.	3,976	3,807	169	3
11	All	Overhead Line	Other pole types	No.	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	67	67	0	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	127	127	0	2
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	0	0	0	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	2	2	–	2
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	6	6	–	2
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	3	4	(1)	2
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	2	2	–	3
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	N/A
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	1	–	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	26	26	–	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	2	2	–	2
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	12	14	(2)	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	681	680	1	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	1	1	0	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	5	5	0	1
39	HV	Distribution Cable	Distribution UG PILC	km	15	15	0	1
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	13	14	(1)	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	N/A
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1,106	1,103	3	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	16	16	–	4
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	44	39	5	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	784	786	(2)	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	93	94	(1)	4
48	HV	Distribution Transformer	Voltage regulators	No.	3	3	–	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	N/A
50	LV	LV Line	LV OH Conductor	km	134	134	0	1
51	LV	LV Cable	LV UG Cable	km	52	53	(1)	1
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1	1	0	1
53	LV	Connections	OH/UG consumer service connections	No.	4,971	5,037	(66)	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	39	42	(3)	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	161	162	(1)	1
56	All	Capacitor Banks	Capacitors including controls	No	–	–	–	N/A
57	All	Load Control	Centralised plant	Lot	3	3	–	2
58	All	Load Control	Relays	No	–	118	(118)	N/A
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name: **Eastland Network**
For Year Ended: **31 March 2022**
Network / Sub-network Name: **All**

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref

8 — Number of assets at disclosure year end by installation date

9	Voltage	Asset category	Asset class	Units	pre-1940	1940–1949	1950–1959	1960–1969	1970–1979	1980–1989	1990–1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	No. with age unknown	Items at end of year	No. with default dates	Data accuracy (1–4)
10	All	Overhead Line	Concrete poles / steel structure	No.	0	1	94	255	1,898	3,180	2,863	527	1,422	799	246	281	395	253	227	390	402	425	418	440	360	387	390	260	223	368	481	326	378	68	0	0	0	5	17,762		2
11	All	Overhead Line	Wood poles	No.	0	145	1,972	3,999	1,651	1,453	2,922	460	835	247	131	186	150	170	188	286	269	241	210	186	208	149	200	191	106	164	139	292	133	59	0	0	0	3	17,345		2
12	All	Overhead Line	Other pole types	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	72	116	71	37	6	7	4	3	11	-	5	4	0	0	-	-	-	-	0	-	0	0	-	0	-	-	-	-	-	-	-	-	336		1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	17	86	61	111	30	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	0	0	-	-	-	-	-	-	-	307		2
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	0	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-	-	2	3	5	-	2	-	1	1	-	1	1	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	19		2
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	-	7	2	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11		2
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	-	4	1	5	2	2	-	3	6	4	6	2	-	2	2	2	-	-	-	3	-	-	4	-	-	-	-	-	-	-	48		2
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		3
30	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	-	10	27	8	9	-	8	10	-	-	7	-	4	-	-	-	-	4	-	8	-	-	-	5	-	-	-	-	-	-	-	100		3
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	7		2
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	3	8	-	1	4	4	4	3	-	1	1	-	2	1	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	36		4
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	63	81	518	875	347	199	169	11	7	11	4	8	8	6	9	2	1	4	3	2	4	2	8	3	6	6	5	2	11	2	-	-	-	-	2,379		1
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
38	HV	Distribution Line	SWER conductor	km	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		1
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	-	-	0	1	3	6	6	0	1	0	0	0	1	2	1	2	0	1	1	0	0	0	1	2	1	3	3	1	1	0	-	-	-	0	40		1
40	HV	Distribution Cable	Distribution UG PILC	km	-	-	1	8	12	27	23	2	5	4	2	1	2	2	3	1	2	1	1	0	0	0	0	1	1	0	0	-	-	-	-	-	-	-	101		1
41	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	-	-	1	1	1	2	2	6	3	3	4	1	-	1	-	-	-	-	-	1	1	-	1	-	-	2	3	5	6	-	-	-	-	-	44		2
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	-	7	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15		2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	-	-	214	766	666	411	445	53	113	127	102	118	80	138	74	71	92	92	80	59	65	89	110	88	61	81	75	83	72	8	-	-	-	-	4,433		2
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	5	6	7	7	3	19	17	2	-	-	11	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	81		1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	-	-	-	3	8	12	58	7	27	23	3	7	2	17	5	9	4	6	3	3	2	4	8	22	10	13	9	8	3	1	-	-	-	5	282		2
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	-	-	77	569	444	316	321	29	94	53	80	75	117	61	59	50	57	66	42	54	59	65	58	40	47	60	48	74	38	9	-	-	-	-	3,062		2
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	-	-	8	24	18	25	34	30	55	32	14	28	21	21	28	15	15	21	14	16	13	21	14	18	17	8	17	21	12	2	-	-	-		562		3
49	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	3	-	3	-	-	1	-	-	1	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	11		2
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A
51	LV	LV Line	LV OH Conductor	km	7	32	111	163	68	52	48	1	7	4	1	2	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	-	-	-	-	503		1
52	LV	LV Cable	LV UG Cable	km	0	-	3	20	42	64	38	8	16	14	8	5	5	4	7	6	5	2	3	3	3	1	2	2	3	2	5	1	1	1	-	-	-	-	277		1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	-	-	1	1	2	5	6	0	2	1	1	0	0	0	1	0	-	-	0	0	0	0	0	-	0	-	-	-	-	-	-	-	-	-	22		1
54	LV	Connections	OH/UG consumer service connections	No.	46	526	1,984	5,080	4,910	4,902	3,897	302	334	321	361	321	273	353	361	287	218	185	235	157	174	159	188	145	156	171	177	169	291	61	-	-	-	4	26,748		1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	-	-	-	-	-	10	12	10	25	1	22	7	6	10	9	1	-	-	2	-	23	4	-	18	6	11	2	-	1	-	-	-	-	-	180		2
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot	-	-	-	1	-	26	115	61	59	41	103	50	63	26	21	24	22	19	35	23	40	155	126	23	36	45	15	36	23	-	-	-	-	-	1,188		1
57	All	Capacitor Banks	Capacitors including controls	No	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		3
58	All	Load Control	Centralised plant	Lot	-	-	-	-	5	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8		2
59	All	Load Control	Relays	No	-	-	-	-	2,310	2,563	3,847	531	1,024	1,137	1,018	477	839	631	934	111	88	49	88	105	62	64	86	50	28	51	44	19	17	19	-	-	-	-	16,192		1
60	All	Civils	Cable Tunnels	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	–		N/A

Company Name	Eastland Network
For Year Ended	31 March 2022
Network / Sub-network Name	Gisborne

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref					Number of assets at disclosure year end by installation date																																				
8																																									
9	Voltage	Asset category	Asset class	Units	pre-1940	1940 –1949	1950 –1959	1960 –1969	1970 –1979	1980 –1989	1990 –1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	No. with age unknown	Items at end of year	No. with default dates	Data accuracy (1–4)
10	All	Overhead Line	Concrete poles / steel structure	No.	–	1	30	162	1,618	2,333	2,684	381	1,046	594	162	200	326	198	196	332	351	411	408	433	332	363	344	227	110	176	293	220	219	47	–	–	–	4	14,201		2
11	All	Overhead Line	Wood poles	No.	–	63	1,328	3,524	1,283	1,162	2,361	195	587	190	88	124	96	99	128	267	177	230	190	160	166	133	183	183	67	84	110	207	118	33	–	–	–	2	13,538		2
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	72	116	37	5	6	7	4	3	11	–	5	4	0	0	–	–	–	–	0	–	0	0	–	0	–	–	–	–	–	–	–	–	269		1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	17	29	61	49	23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	0	–	–	–	–	–	–	–	–	180		2
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	–	–	–	–	2	3	4	–	2	–	1	1	–	1	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	17		2
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	–	4	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5		2
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	–	4	1	3	2	2	–	3	5	4	6	2	–	2	2	2	–	–	–	3	–	–	3	–	–	–	–	–	–	–	44		2
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
30	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	–	–	10	17	8	9	–	8	10	–	–	4	–	4	–	–	–	–	4	–	–	–	–	–	–	–	–	–	–	–	–	–	74		3
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	1	1	–	–	–	–	–	–	–	5		2
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	3	–	–	1	2	4	1	3	–	1	1	–	2	1	–	–	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–	22		4
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0	6	309	695	302	137	164	11	5	7	2	2	5	4	3	2	1	4	3	2	3	1	7	2	5	6	2	2	4	2	–	–	–	–	1,698		1
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
38	HV	Distribution Line	SWER conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	–	0	0	3	6	4	0	1	0	0	0	1	2	1	2	0	1	1	0	0	0	1	2	1	2	3	1	1	0	–	–	–	–	35		1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	1	8	9	21	21	2	5	4	2	1	2	1	1	1	2	1	1	0	0	0	0	1	1	0	0	–	–	–	–	–	–	–	86		1
41	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	–	–	1	–	–	–	2	5	1	3	4	1	–	1	–	–	–	–	–	–	–	–	1	–	–	2	1	3	5	–	–	–	–	–	30		2
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	7	–	–	–	–	8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	15		2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	211	491	489	262	327	41	98	94	67	76	64	115	50	60	81	84	68	53	54	83	90	74	45	61	63	66	56	7	–	–	–	–	3,330		2
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	5	6	3	7	3	14	17	1	–	–	5	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	65		1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	3	4	6	53	7	21	22	1	7	2	13	4	8	3	6	3	2	2	2	8	21	9	12	9	8	2	1	–	–	–	4	243		2
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	77	327	332	227	246	21	83	44	55	51	77	50	51	42	55	59	34	52	44	58	44	31	36	47	34	64	27	8	–	–	–	–	2,276		2
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	6	17	15	20	28	29	53	27	12	21	12	17	20	7	15	20	11	13	12	15	12	17	12	8	16	21	10	2	–	–	–	–	468		3
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	–	3	–	3	–	–	–	–	–	1	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	8		2
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
51	LV	LV Line	LV OH Conductor	km	0	2	69	132	59	43	46	1	7	4	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–	370		1
52	LV	LV Cable	LV UG Cable	km	–	–	1	17	31	47	31	7	16	14	7	4	4	3	5	5	5	2	3	3	3	1	2	2	3	2	3	1	1	1	–	–	–	–	224		1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	1	1	2	5	6	0	2	1	0	0	0	0	1	0	–	–	0	0	0	0	0	–	–	–	–	–	–	–	–	–	–	–	21		1
54	LV	Connections	OH/UG consumer service connections	No.	46	526	1,908	3,581	4,057	4,039	3,386	266	270	187	81	205	230	315	315	245	172	154	203	136	134	123	153	121	121	150	139	147	246	51	–	–	–	3	21,710		1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	–	–	12	8	18	1	21	7	3	10	8	1	–	–	1	–	23	4	–	7	6	6	1	–	1	–	–	–	–	–	138		2
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot	–	–	–	1	–	24	100	55	33	32	84	47	33	21	20	16	19	17	32	20	39	153	117	20	31	42	11	36	23	–	–	–	–	–	1,026		1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		3
58	All	Load Control	Centralised plant	Lot	–	–	–	–	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5		2
59	All	Load Control	Relays	No	–	–	–	–	2,301	2,563	3,838	531	1,019	1,133	1,004	461	819	616	921	105	88	49	87	103	61	64	85	50	27	51	43	19	17	19	–	–	–	–	16,074		1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**Wairoa**

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref

8					Number of assets at disclosure year end by installation date																																				
9	**Voltage**	**Asset category**	**Asset class**	**Units**	**pre-1940**	**1940 –1949**	**1950 –1959**	**1960 –1969**	**1970 –1979**	**1980 –1989**	**1990 –1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**No. with age unknown**	**Items at end of year**	**No. with default dates**	**Data accuracy (1–4)**
10	All	Overhead Line	Concrete poles / steel structure	No.	–	–	64	93	280	847	179	146	376	205	84	81	69	55	31	58	51	14	10	7	28	24	46	33	113	192	188	106	159	21	–	–	–	1	3,561		2
11	All	Overhead Line	Wood poles	No.	–	82	644	475	368	291	561	265	248	57	43	62	54	71	60	19	92	11	20	26	42	16	17	8	39	80	29	85	15	26	–	–	–	1	3,807		2
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	–	–	34	32	–	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	67		1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	–	0	57	–	63	7	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	127		2
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	2		2
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	–	3	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6		2
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	–	–	–	2	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	4		2
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–									–	–		N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2		3
30	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	–	–	–	10	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–	8	–	–	–	5	–	–	–	–	–	–	–	26		3
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2		2
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	–	8	–	–	2	–	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	14		4
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	63	80	209	182	45	62	5	–	3	3	2	6	3	2	6	1	–	0	–	0	1	0	1	1	1	0	3	0	0	–	–	–	–	–	681		1
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–									–	–		N/A
38	HV	Distribution Line	SWER conductor	km	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		1
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	–	–	0	–	0	1	0	0	0	0	0	0	0	0	1	–	0	–	0	0	0	0	–	0	1	0	0	0	0	–	–	–	–	5		1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	–	0	3	6	2	0	0	0	0	0	0	1	2	0	–	–	–	–	0	–	–	0	0	0	–	–	–	–	–	–	–	–	15		1
41	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	–	–	–	1	1	2	–	1	2	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	2	2	1	–	–	–	–	–	14		2
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	3	275	177	149	118	12	15	33	35	42	16	23	24	11	11	8	12	6	11	6	20	14	16	20	12	17	16	1	–	–	–	–	1,103		2
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	–	–	4	–	–	5	–	1	–	–	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	16		1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	–	4	6	5	–	6	1	2	–	–	4	1	1	1	–	–	1	–	2	–	1	1	1	–	–	1	–	–	–	–	1	39		2
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	–	242	112	89	75	8	11	9	25	24	40	11	8	8	2	7	8	2	15	7	14	9	11	13	14	10	11	1	–	–	–	–	786		2
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	2	7	3	5	6	1	2	5	2	7	9	4	8	8	–	1	3	3	1	6	2	1	5	–	1	–	2	–	–	–	–	–	94		2
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	3		2
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
51	LV	LV Line	LV OH Conductor	km	7	31	42	30	9	9	2	1	0	0	0	1	0	0	0	–	–	0	–	–	–	0	1	0	0	0	0	0	0	–	–	–	–	–	134		1
52	LV	LV Cable	LV UG Cable	km	0	–	1	4	11	17	7	1	0	0	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	2	0	0	–	–	–	–	–	53		1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	–	0	–	0	–	–	0	–	0	–	0	0	–	0	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	–	1		1
54	LV	Connections	OH/UG consumer service connections	No.	–	–	76	1,499	853	863	511	36	64	134	280	116	43	38	46	42	46	31	32	21	40	36	35	24	35	21	38	22	45	10	–	–	–	1	5,038		1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	–	10	–	2	7	–	1	–	3	–	1	–	–	–	1	–	–	–	–	11	–	5	1	–	–	–	–	–	–	–	42		2
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot	–	–	–	–	–	2	15	6	26	9	19	3	30	5	1	8	3	2	3	3	1	2	9	3	5	3	4	–	–	–	–	–	–	–	162		1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
58	All	Load Control	Centralised plant	Lot	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3		2
59	All	Load Control	Relays	No	–	–	–	–	9	–	9	–	5	4	14	16	20	15	13	6	–	–	1	2	1	–	1	–	1	–	1	–	–	–	–	–	–	–	118		1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**All**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref				
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	307	–	307
12	50kV & 66kV	302	1	303
13	33kV	34	0	34
14	SWER (all SWER voltages)	1	–	1
15	22kV (other than SWER)	–	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	2,379	141	2,519
17	Low voltage (< 1kV)	503	275	778
18	**Total circuit length (for supply)**	3,526	417	3,942
19				
20	Dedicated street lighting circuit length (km)	13	8	22
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	193	5%
25	Rural	1,490	42%
26	Remote only	312	9%
27	Rugged only	1,180	33%
28	Remote and rugged	347	10%
29	Unallocated overhead lines	5	0%
30	**Total overhead length**	3,526	100%
31			
32		**Circuit length (km)**	**(% of total circuit length)**
33	Length of circuit within 10km of coastline or geothermal areas (where known)		–
34		**Circuit length (km)**	**(% of total overhead length)**
35	Overhead circuit requiring vegetation management	3,526	100%

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**Gisborne**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	180	-	180
12	50kV & 66kV	269	1	271
13	33kV	-	-	–
14	SWER (all SWER voltages)	-	-	–
15	22kV (other than SWER)	-	-	–
16	6.6kV to 11kV (inclusive—other than SWER)	1,698	121	1,819
17	Low voltage (< 1kV)	370	224	593
18	**Total circuit length (for supply)**	2,518	346	2,864
19				
20	Dedicated street lighting circuit length (km)	13	8	21
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	170	7%
25	Rural	1,185	47%
26	Remote only	259	10%
27	Rugged only	752	30%
28	Remote and rugged	148	6%
29	Unallocated overhead lines	3	0%
30	**Total overhead length**	2,518	100%
31			
32		**Circuit length (km)**	**(% of total circuit length)**
33	Length of circuit within 10km of coastline or geothermal areas (where known)		–
34		**Circuit length (km)**	**(% of total overhead length)**
35	Overhead circuit requiring vegetation management	2,518	100%

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**Wairoa**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref				
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	127	-	127
12	50kV & 66kV	32	-	32
13	33kV	34	0	34
14	SWER (all SWER voltages)	1	-	1
15	22kV (other than SWER)	-	-	–
16	6.6kV to 11kV (inclusive—other than SWER)	680	20	700
17	Low voltage (< 1kV)	134	53	186
18	**Total circuit length (for supply)**	1,008	73	1,081
19				
20	Dedicated street lighting circuit length (km)	0	0	1
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			300
22				
23	**Overhead circuit length by terrain (at year end)**	**Circuit length (km)**	**(% of total overhead length)**	
24	Urban	23	2%	
25	Rural	305	30%	
26	Remote only	52	5%	
27	Rugged only	428	42%	
28	Remote and rugged	199	20%	
29	Unallocated overhead lines	1	0%	
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)		–	
34		**Circuit length (km)**	**(% of total overhead length)**	
35	Overhead circuit requiring vegetation management	1,008	100%	

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**

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

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**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		*Consumer types defined by EDB**	**Number of connections (ICPs)**	
11		Domestic/Residential	152	
12		Commercial	120	
13		Large Commercial	1	
14		Industrial	–	
15				
16		** include additional rows if needed*		
17		**Connections total**	273	
18				
19		**Distributed generation**		
20		Number of connections made in year	56	**connections**
21		Capacity of distributed generation installed in year	0.27	**MVA**
22		**9e(ii): System Demand**		
23				
24				
25		**Maximum coincident system demand**	**Demand at time of maximum coincident demand (MW)**	
26		GXP demand	56	
27	*plus*	Distributed generation output at HV and above	10	
28		**Maximum coincident system demand**	66	
29	*less*	Net transfers to (from) other EDBs at HV and above		
30		**Demand on system for supply to consumers' connection points**	66	
31		**Electricity volumes carried**	**Energy (GWh)**	
32		Electricity supplied from GXPs	298	
33	*less*	Electricity exports to GXPs	–	
34	*plus*	Electricity supplied from distributed generation	18	
35	*less*	Net electricity supplied to (from) other EDBs	–	
36		**Electricity entering system for supply to consumers' connection points**	315	
37	*less*	Total energy delivered to ICPs	288	
38		**Electricity losses (loss ratio)**	28	8.8%
39				
40		**Load factor**	0.55	
41		**9e(iii): Transformer Capacity**		
42			**(MVA)**	
43		Distribution transformer capacity (EDB owned)	225	
44		Distribution transformer capacity (Non-EDB owned, estimated)	50	
45		**Total distribution transformer capacity**	275	
46				
47		**Zone substation transformer capacity**	344	

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**Gisborne**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref				
8	**9e(i): Consumer Connections**			
9	*Number of ICPs connected in year by consumer type*			
10	*Consumer types defined by EDB**		**Number of connections (ICPs)**	
11	Domestic/Residential		130	
12	Commercial		107	
13	Large Commercial		1	
14	Industrial		–	
15			–	
16	** include additional rows if needed*			
17	**Connections total**		238	
18				
19	**Distributed generation**			
20	Number of connections made in year		42	**connections**
21	Capacity of distributed generation installed in year		0	**MVA**
22	**9e(ii): System Demand**			
23				
24				
25	**Maximum coincident system demand**		**Demand at time of maximum coincident demand (MW)**	
26	GXP demand		52	
27	Distributed generation output at HV and above	*plus*	5	
28	**Maximum coincident system demand**		57	
29	Net transfers to (from) other EDBs at HV and above	*less*	–	
30	**Demand on system for supply to consumers' connection points**		57	
31	**Electricity volumes carried**		**Energy (GWh)**	
32	Electricity supplied from GXPs		252	
33	Electricity exports to GXPs	*less*	–	
34	Electricity supplied from distributed generation	*plus*	7	
35	Net electricity supplied to (from) other EDBs	*less*	–	
36	**Electricity entering system for supply to consumers' connection points**		259	
37	Total energy delivered to ICPs	*less*	236	
38	**Electricity losses (loss ratio)**		23	8.8%
39				
40	**Load factor**		0.52	
41	**9e(iii): Transformer Capacity**			
42			**(MVA)**	
43	Distribution transformer capacity (EDB owned)		185	
44	Distribution transformer capacity (Non-EDB owned, estimated)		41	
45	**Total distribution transformer capacity**		226	
46				
47	**Zone substation transformer capacity**		284	

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**Wairoa**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

9e(i): Consumer Connections

sch ref				
8	**9e(i): Consumer Connections**			
9	*Number of ICPs connected in year by consumer type*			
10	*Consumer types defined by EDB**		**Number of connections (ICPs)**	
11	Domestic/Residential		22	
12	Commercial		13	
13	Large Commercial		–	
14	Industrial		–	
15				
16	** include additional rows if needed*			
17	**Connections total**		35	
18				
19	**Distributed generation**			
20	Number of connections made in year		14	**connections**
21	Capacity of distributed generation installed in year		0.07	**MVA**

9e(ii): System Demand

sch ref				
22	**9e(ii): System Demand**			
23				
24				
25		**Maximum coincident system demand**	**Demand at time of maximum coincident demand (MW)**	
26		GXP demand	9	
27	*plus*	Distributed generation output at HV and above	4	
28		**Maximum coincident system demand**	13	
29	*less*	Net transfers to (from) other EDBs at HV and above	–	
30		**Demand on system for supply to consumers' connection points**	13	
31		**Electricity volumes carried**	**Energy (GWh)**	
32		Electricity supplied from GXPs	46	
33	*less*	Electricity exports to GXPs	–	
34	*plus*	Electricity supplied from distributed generation	11	
35	*less*	Net electricity supplied to (from) other EDBs	–	
36		**Electricity entering system for supply to consumers' connection points**	56	
37	*less*	Total energy delivered to ICPs	52	
38		**Electricity losses (loss ratio)**	4	7.6%
39				
40		**Load factor**	0.50	

9e(iii): Transformer Capacity

sch ref		
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**	60

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**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)	–	
11	Class B (planned interruptions on the network)	271	
12	Class C (unplanned interruptions on the network)	586	
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**	857	
20			
21	**Interruption restoration**	**≤3Hrs**	**>3hrs**
22	Class C interruptions restored within	360	226
23			
24	**SAIFI and SAIDI by class**	**SAIFI**	**SAIDI**
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	0.74	152.59
27	Class C (unplanned interruptions on the network)	5.05	403.51
28	Class D (unplanned interruptions by Transpower)	–	–
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	–	–
31	Class G (unplanned interruptions caused by another disclosing entity)	–	–
32	Class H (planned interruptions caused by another disclosing entity)	–	–
33	Class I (interruptions caused by parties not included above)	–	–
34	**Total**	5.79	556.1
35			
36	**Normalised SAIFI and SAIDI**	**Normalised SAIFI**	**Normalised SAIDI**
37	Classes B & C (interruptions on the network)	4.33	436.83
38			

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**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	0.40	9.77
Vegetation	0.30	33.39
Adverse weather	1.54	156.01
Adverse environment	0.06	46.53
Third party interference	0.81	32.76
Wildlife	0.34	16.44
Human error	0.01	1.77
Defective equipment	0.97	75.07
Cause unknown	0.61	31.77

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)	0.72	149.24
Distribution cables (excluding LV)	0.03	3.35
Distribution other (excluding LV)	–	–

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	2.60	90.19
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	2.16	297.79
Distribution cables (excluding LV)	0.28	15.53
Distribution other (excluding LV)	–	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	22	643	3.42
Subtransmission cables	–	1	–
Subtransmission other	–		
Distribution lines (excluding LV)	546	2,379	22.95
Distribution cables (excluding LV)	18	141	12.77
Distribution other (excluding LV)	–		
Total	586		

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**Gisborne**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

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)	185	
12	Class C (unplanned interruptions on the network)	466	
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**	651	
20			
21	**Interruption restoration**	**≤3Hrs**	**>3hrs**
22	Class C interruptions restored within	291	175
23			
24	**SAIFI and SAIDI by class**	**SAIFI**	**SAIDI**
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	0.56	124.75
27	Class C (unplanned interruptions on the network)	4.91	345.89
28	Class D (unplanned interruptions by Transpower)	–	–
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	–	–
31	Class G (unplanned interruptions caused by another disclosing entity)	–	–
32	Class H (planned interruptions caused by another disclosing entity)	–	–
33	Class I (interruptions caused by parties not included above)	–	–
34	**Total**	5.47	470.64
35			
36	**Normalised SAIFI and SAIDI**	**Normalised SAIFI**	**Normalised SAIDI**
37	Classes B & C (interruptions on the network)	3.64	372.71
38			

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**Gisborne**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

39 **10(ii): Class C Interruptions and Duration by Cause**

40

		SAIFI	SAIDI
41	**Cause**		
42	Lightning	0.24	2.80
43	Vegetation	0.26	32.88
44	Adverse weather	1.57	123.72
45	Adverse environment	0.07	41.28
46	Third party interference	0.94	32.66
47	Wildlife	0.39	19.36
48	Human error	0.01	2.08
49	Defective equipment	0.89	61.49
50	Cause unknown	0.54	29.61

51

52 **10(iii): Class B Interruptions and Duration by Main Equipment Involved**

53

		SAIFI	SAIDI
54	**Main equipment involved**		
55	Subtransmission lines	–	–
56	Subtransmission cables	–	–
57	Subtransmission other	–	–
58	Distribution lines (excluding LV)	0.53	121.26
69	Distribution cables (excluding LV)	0.02	3.49
60	Distribution other (excluding LV)	–	–

61 **10(iv): Class C Interruptions and Duration by Main Equipment Involved**

62

		SAIFI	SAIDI
63	**Main equipment involved**		
64	Subtransmission lines	2.82	90.37
65	Subtransmission cables	–	–
66	Subtransmission other	–	–
67	Distribution lines (excluding LV)	1.84	242.82
68	Distribution cables (excluding LV)	0.25	12.71
69	Distribution other (excluding LV)	–	–

70 **10(v): Fault Rate**

		Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
71	**Main equipment involved**			
72	Subtransmission lines	18	450	4.00
73	Subtransmission cables	–	–	–
74	Subtransmission other	–		
75	Distribution lines (excluding LV)	434	1,698	25.56
76	Distribution cables (excluding LV)	14	121	11.57
77	Distribution other (excluding LV)	–		
78	**Total**	466		

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**Wairoa**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref			
8	**10(i): Interruptions**		
9	**Interruptions by class**	**Number of interruptions**	
10	Class A (planned interruptions by Transpower)	–	
11	Class B (planned interruptions on the network)	86	
12	Class C (unplanned interruptions on the network)	120	
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**	206	
20			
21	**Interruption restoration**	**≤3Hrs**	**>3hrs**
22	Class C interruptions restored within	69	51
23			
24	**SAIFI and SAIDI by class**	**SAIFI**	**SAIDI**
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	1.57	274.17
27	Class C (unplanned interruptions on the network)	5.63	655.11
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**	7.19	929.3
35			
36	**Normalised SAIFI and SAIDI**	**Normalised SAIFI**	**Normalised SAIDI**
37	Classes B & C (interruptions on the network)	5.32	609.45
38			

Company Name	**Eastland Network**
For Year Ended	**31 March 2022**
Network / Sub-network Name	**Wairoa**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

39 ### 10(ii): Class C Interruptions and Duration by Cause

		SAIFI	SAIDI
41	**Cause**		
42	Lightning	1.11	40.21
43	Vegetation	0.49	35.60
44	Adverse weather	1.39	297.01
45	Adverse environment	0.03	69.46
46	Third party interference	0.22	33.20
47	Wildlife	0.11	3.68
48	Human error	0.00	0.42
49	Defective equipment	1.35	134.37
50	Cause unknown	0.92	41.16

52 ### 10(iii): Class B Interruptions and Duration by Main Equipment Involved

		SAIFI	SAIDI
54	**Main equipment involved**		
55	Subtransmission lines	–	–
56	Subtransmission cables	–	–
57	Subtransmission other	–	–
58	Distribution lines (excluding LV)	1.53	271.41
69	Distribution cables (excluding LV)	0.04	2.76
60	Distribution other (excluding LV)	–	–

61 ### 10(iv): Class C Interruptions and Duration by Main Equipment Involved

		SAIFI	SAIDI
63	**Main equipment involved**		
64	Subtransmission lines	1.63	89.40
65	Subtransmission cables	–	–
66	Subtransmission other	–	–
67	Distribution lines (excluding LV)	3.57	537.87
68	Distribution cables (excluding LV)	0.43	27.84
69	Distribution other (excluding LV)	–	–

70 ### 10(v): Fault Rate

		Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
71	**Main equipment involved**			
72	Subtransmission lines	4	193	2.07
73	Subtransmission cables	–	1	–
74	Subtransmission other	–		
75	Distribution lines (excluding LV)	112	681	16.45
76	Distribution cables (excluding LV)	4	20	20.00
77	Distribution other (excluding LV)	–		
78	**Total**	120		

Company Name Eastland Network
For Year Ended 31 March 2022

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

7

8 Have costs been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination? No

9

sch ref					Allocator Metric (%)		Value allocated ($000)				
10–11	Line Item*	Allocation methodology type	Cost allocator	Allocator type	Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000)
12	**Service interruptions and emergencies**										
13										-	
14										-	
15										-	
16										-	
17	**Not directly attributable**						-	-	-	-	-
18	**Vegetation management**										
19										-	
20										-	
21										-	
22										-	
23	**Not directly attributable**						-	-	-	-	-
24	**Routine and corrective maintenance and inspection**										
25										-	
26										-	
27										-	
28										-	
29	**Not directly attributable**						-	-	-	-	-
30	**Asset replacement and renewal**										
31										-	
32										-	
33										-	
34										-	
35	**Not directly attributable**						-	-	-	-	-
36											

Company Name	Eastland Network
For Year Ended	31 March 2022

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											
37	**System operations and network support**										
38							-			-	
39										-	
40										-	
41										-	
42	**Not directly attributable**						-	-	-	-	-
43	**Business support**										
44							-		-	-	
45										-	
46										-	
47										-	
48	**Not directly attributable**						-	-	-	-	-
49											
50	**Operating costs not directly attributable**						-	-	-	-	-
51											
52	**Pass through and recoverable costs**										
53	**Pass through costs**										
54										-	
55										-	
56										-	
57										-	
58	**Not directly attributable**						-	-	-	-	-
59	**Recoverable costs**										
60										-	
61										-	
62										-	
63										-	
64	**Not directly attributable**						-	-	-	-	-
65	** include additional rows if needed*										

Company Name	Eastland Network
For Year Ended	31 March 2022

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

7

8 Have assets been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination? **No**

9

sch ref	Line Item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%): Electricity distribution services	Allocator Metric (%): Non-electricity distribution services	Value allocated ($000): Arm's length deduction	Value allocated ($000): Electricity distribution services	Value allocated ($000): Non-electricity distribution services	Value allocated ($000): Total	OVABAA allocation increase ($000)
12	**Subtransmission lines**										
13										-	
14										-	
15										-	
16										-	
17	**Not directly attributable**						-	-	-	-	-
18	**Subtransmission cables**										
19										-	
20										-	
21										-	
22										-	
23	**Not directly attributable**						-	-	-	-	-
24	**Zone substations**										
25										-	
26										-	
27										-	
28										-	
29	**Not directly attributable**						-	-	-	-	-
30	**Distribution and LV lines**										
31										-	
32										-	
33										-	
34										-	
35	**Not directly attributable**						-	-	-	-	-

										Company Name	Eastland Network
										For Year Ended	31 March 2022

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											
36	**Distribution and LV cables**										
37										-	
38										-	
39										-	
40										-	
41	**Not directly attributable**						-	-	-	-	-
42											
43	**Distribution substations and transformers**										
44										-	
45										-	
46										-	
47										-	
48	**Not directly attributable**						-	-	-	-	-
49											
50	**Distribution switchgear**										
51										-	
52										-	
53										-	
54										-	
55	**Not directly attributable**						-	-	-	-	-
56	**Other network assets**										
57										-	
58										-	
59										-	
60										-	
61	**Not directly attributable**						-	-	-	-	-
62	**Non-network assets**										
63										-	
64										-	
65										-	
66										-	
67	**Not directly attributable**						-	-	-	-	-
68											
69	**Regulated service asset value not directly attributable**						-	-	-	-	-
70	** include additional rows if needed*										

Company Name	Eastland Network Limited
For Year Ended	31 March 2022

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

Our regulated profit including financial incentives and wash-ups for the year is $16.4m which is a 145% increase compared to regulated profit in FY21. The $9.7m increase is mostly due to increase in CPI between the two years (1.5% to 6.9%) leading to $9.5m higher revaluation amount in FY22.

Material items included in other regulated income were electricity sales income from gensets, LCE rebate processing fee, income from pole rental to Chorus and new connections fees.

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 8.8% or $15.2m. The was a significant increase in CPI from 1.5% in FY21 to 6.9% in FY22 leading to $12m in revaluations. Assets commissioned contributed $9.6m to the RAB compared to additions last year of $11m.

There was a $193k adjustment resulting from asset allocation related to a transfer of Faults profit centre into the regulated business ($119k) and a correction of vehicle ownership within Eastland Group ($74k).

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
There was a $0.2m increase in regulatory tax allowance. The difference is mostly due to increase of amortisation of revaluations due to higher revaluation in the year ($172k).

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
Not applicable.

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

No asset allocation has been applied.

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

83% 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:

11kV pole replacements in Gisborne and Wairoa regions;

Gisborne substation T4 50kV bus extension project;

Replacement of T1 5MVA in Tologa;

Transformers and switchgear replacements.

There is no materiality threshold applied to the schedule.

There are no items reclassified during the year.

Capital expenditure for the year was $10.2m compared to $10.8m in FY21.

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

Operational expenditure is broken down to Network opex relating to network maintenance ($5.7m) and non-network opex supporting the business operations ($6.5m).

Network opex consists of 4 standard categories: Asset replacement and renewal, Service interruptions and emergencies, Vegetation management and Routine and corrective maintenance and inspection.

Combined, Service interruptions and emergencies and Routine and corrective maintenance and inspection saw an increase of 40% (or $1.1m) for FY22 due to a significant increase in weather events during the disclosure year.

System operations and network support (SONS) and business support (BS) make up the majority of operational spend, $2.6m and $3.9m respectively for FY22. The single largest item contributing to business support is the shared services management fee $2.5m. This includes services such as costs of governance, IT, accounting, marketing/communications and HR.

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 (-$20k)

This variance relates to an underspend on low voltage switchgear allowance for new installations.

System Growth variances (-$942k)

More than $700k of the underspend related to the Mahia 33kv line extension project that saw some difficulties with securing consent to land and Thermal Upgrade Project which as some other projects was impacted by supply chain challenges.

Asset Replacement and Renewal variances +$171k

Assets Replacement and Renewal was mostly on forecast with some over- and underspends due to weather events and supply chain problems in increases in material costs.

Some bigger overspends were seen on the biggest projects, e.g. Gisborne sub bus extension, T1 5MVA Tologa replacement and 11kV pole replacements.

Underspends were seen on the following projects: Replacement of T1 Patutahi 12MVA, conductor replacements in Wairoa and 50kV pole replacements.

Reliability, Safety and Environment +$42k

Overspend was mostly a result of no forecast for diesel generators' maintenance due to ownership transfer from Eastland Generation to Eastland Network.

This overspend was partially offset by lower spend on replacement of galvanized meter boxes.

Non- network Assets (-$392k)

This variance mostly relates to a postponed office rebuild in Wairoa and no upgrades to Gisborne office during the year.

OPERATIONAL EXPENDITURE

Asset Replacement & Renewal (-$84k)

Asset Replacement and Renewal underspent by $84k (-13%). FY22 saw an abnormally high number of significant weather events, hence unplanned work took priority. The majority of ARR projects are planned, therefore we expected to see an underspend to budget for the year. A number of projects saw no spend against budget including 400V OH Service Fuse Base & Carrier replacement (-$50k) and TX Earthing system repairs ($-45k).

Routine & Corrective Maintenance & Inspection +$313k

Costs in this area were overspent to budget by $313k (+(16%). This was primarily due to overspends in Zone Sub Routine Maintenance (+$94k), 11kV Patrols & General Maintenance (+$93k), and 50kV Patrols (Ground & Heli) (+$71k).

Service Interruption & Emergencies +$460k

As previously stated, there were an abnormally high number of weather events in FY22 causing the overspend in this category. Key contributing projects were 11kV Defect Fault Repairs (+$429k), and Zone Sub Defect Fault Repairs (+$126k).

Vegetation Management (-$70k)

Variance against budget for Vegetation Management was not material (-7%).

System Operations & Network Support Costs (-$233k)

SONS underspent to budget by $233k primarily due to the SONS Recharge account which was not originally budgeted for. During the year it was found that two inspectors were being incorrectly recorded in payroll when they should have been allocated to maintenance (11kV Patrols). An entry of $263k was recorded in the year to move their cost.

Business Support Costs +$98k

Variance against budget for Business Support Costs was due to an increase in Shared service management fee allocation (+$94k).

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

Network reliability and quality saw a material deterioration year on year due to an increase of official MetService weather events from 13 in FY21 to 21 in FY22. The July, November 2021 and March 2022 storms caused a significant flooding and damage to the network resulting in high repair costs and many customer minutes due to limited access.

In terms of Major events as a result of triggering DPP boundary SAIDI or SAIFI values, ENL recorded 18 major events (10 SAIDI and 8 SAIFI) compared to just 2 in FY21. These were mostly attributed to 25 outages. Top causes were high winds, cars hitting a pole, slips, lightning, wildlife, etc.

Unplanned interruption recorded an increase of 26% and planned interruption a small increase of 9%. Unplanned interruption increase is a result of the above mentioned weather changes and the planned interruptions were caused by an increase in pole replacement programme during the disclosure year.

Overall both SAIDI and SAIFI were 74-75% higher than in prior year. There was a 111% increase in outages lasting longer than 3 hours.

The data stated in this year's Schedule 10 is consistent with how Eastland has been treating SAIDI and SAIFI in the past and as in the past SAIDI and SAIFI calculations for Information Disclosures uses a different way of normalising customer minutes leading to different reported SAIDI and SAIFI to those in Annual Compliance Statement.

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.

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 $78 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 2022

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 2.6.6.

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

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

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

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts This was previously disclosed 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 2022

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

Schedule 18 Certification for Year-end Disclosures

Clause 2.9.2

We, Jon Nichols and Wendie Harvey being directors of Eastland Network 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 – Jon Nichols

....

Director – Wendie Nichols

Date 18 August 2022

Date 18 August 2022

Deloitte.

INDEPENDENT ASSURANCE REPORT
TO THE DIRECTORS OF EASTLAND NETWORK LIMITED AND TO THE COMMERCE COMMISSION
ON THE DISCLOSURE INFORMATION
FOR THE DISCLOSURE YEAR ENDED 31 MARCH 2022
AS REQUIRED BY
THE ELECTRICITY DISTRIBUTION INFORMATION DISCLOSURE DETERMINATION 2012

Eastland Network Limited (the 'Company') is required to disclose certain information under the Electricity Distribution Information Disclosure Determination 2012 (consolidated December 2021) (the 'Determination') and to procure an assurance report by an independent auditor in terms of section 2.8.1 of the Determination.

The Auditor-General is the auditor of the Company.

The Auditor-General has appointed me, Brett Tomkins, using the staff and resources of Deloitte Limited, to undertake a reasonable assurance engagement, on his behalf, on whether the information subject to audit in terms of the Determination prepared by the Company for the disclosure year ended 31 March 2022 (the 'Disclosure Information') complies, in all material respects, with the Determination.

The Disclosure Information that falls within the scope of the assurance engagement are:

- Schedules 1 to 4, 5a to 5g, 6a and 6b, 7, 10 and 14 (limited to the explanatory notes in boxes 1 to 11) of the Determination.

- Clause 2.3.6 of the Determination and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012 (the 'IM Determination'), in respect of the basis for valuation of related party transactions (the 'Related Party Transaction Information').

This assurance report should be read in conjunction with the Commerce Commission's Information Disclosure exemption, issued to all electricity distribution businesses on 17 May 2021 under clause 2.11 of the Determination. The Commerce Commission granted an exemption from the requirement that the assurance report, in respect of the information in Schedule 10 of the ID Determination, must take into account any issues arising out of the Company's recording of SAIDI, SAIFI, and number of interruptions due to successive interruptions.

Opinion

In our opinion, in all material respects:

- as far as appears from an examination, 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, sourced from the Company's financial and non-financial systems;

- the Disclosure Information complies with the Determination; and

- the basis for valuation of related party transactions complies with the Determination and the IM Determination.

Basis for opinion

We conducted our engagement in accordance with the Standard on Assurance Engagements (SAE) 3100 (Revised) *Assurance Engagements on Compliance*, issued by the New Zealand Auditing and Assurance Standards Board. An engagement conducted in accordance with SAE (NZ) 3100 (Revised) requires that we comply with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised) *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information*.

We have obtained sufficient recorded evidence and explanations that we required to provide a basis for our opinion.

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Key Assurance Matters

Key assurance 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 compliance engagement, and in forming our opinion. We do not provide a separate opinion on these matters.

Key Assurance Matter	How our procedures addressed the key assurance matter
Valuation of related party goods and services at arms-length The basis of valuation of related party transactions are required to be disclosed on Schedule 5b of the disclosure information. 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. The Company also charges related parties for line charges. The Company receives fault, maintenance, and electrical contract services from related parties. 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. 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.	A detailed listing of all transactions impacting the company for the disclosure year ended 31 March 2022 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. Our procedures over the valuation of related party goods and services at arms-length included: *Goods and services (excluding administration services)* • 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. *Administration services* • 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.

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Completeness and accuracy of the non-financial reporting disclosures in relation to the faults data capture (SAIDI/SAIFI) The Information Disclosure Determination defines certain quality measures in relation to the number of interruptions, faults, and causes of faults. These quality measures are expressed in the form of SAIDI and SAIFI values. The Company does not have automated systems for identifying and recording the duration of outages. The Company's policies and procedures require all faults, whether planned or unplanned, to be recorded on manual switching sheets. The switching sheets contain details regarding the class and calculation of each outage. The information included on the switching sheet is then manually entered into the outages database. Where access to the network is required to address the fault and interruption, it is mandatory for a work permit to be completed. Work permits are sequentially numbered and are required to be attached to the manual switching sheets. This is a key audit matter because information on the frequency and duration of outages is an important measure about the reliability of electricity supply. As the Company's process is mostly not system integrated and therefore subject to manual processes without systematic controls, inaccuracies or the omission of faults can potentially have a significant impact on the reliability thresholds against which Company performance is assessed.	We have obtained an understanding of the Company's methods by which electricity outages and their duration are recorded. We also completed analytical procedures for outage events, including analysing actual outages compared with prior year outages. To assess the completeness of the faults and interruptions used in calculating SAIFI and SAIDI, we performed the following procedures: • On a sample basis we selected work permits and traced details per the work permit to the manual switching sheets and traced the number of customers, number of minutes and the class type to the details recorded in the outages database; • On a sample basis, we selected manual switching sheets without work permits and traced the number of customers, number of minutes and class type to the details recorded in the outages database; • A sample of work permits for April 2022 were selected for testing and traced to the ensure the faults related to the subsequent financial year; and • We have checked whether major storm and outage events recorded in the media were appropriately recorded in the outages database. To assess the accuracy of the calculation of SAIFI and SAIDI, we performed the following procedures: • Using the samples selected above, we recalculated the number of minutes and customers affected and agreed the amounts recalculated to the amounts recorded in the Outages database; • Using the samples selected above we ensured that the faults that did not meet the reporting requirements were correctly excluded from the data used to calculate SAIFI and SAIDI. • Recalculated the normalised SAIDI and SAIFI using the predetermined boundary limits. We have also reviewed the disclosure in Schedule 14 in respect of the treatment of successive interruptions.

Directors' responsibilities

The directors of the Company are responsible in accordance with the Determination for:

- the preparation of the Disclosure Information; and
- the Related Party Transaction Information

The directors of the Company are also responsible for the identification of risks that may threaten compliance with the schedules and clauses identified above and controls which will mitigate those risks and monitor ongoing compliance.

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Auditor's responsibilities

Our responsibilities in terms of clauses 2.8.1(1)(b)(vi) and (vii), 2.8.1(1)(c) and 2.8.1(1)(d) are to express an opinion on whether:

- As far as appears from an examination, the information used in the preparation of the audited Disclosure Information has been properly extracted from the Company's accounting and other records, sourced from its financial and non-financial systems.

- As far as appears from an examination, proper records to enable the complete and accurate compilation of the audited Disclosure Information required by the Determination have been kept by the Company and, if not, the records not so kept.

- The Company complied, in all material respects, with the Determination in preparing the audited Disclosure Information.

- The Company's basis for valuation of related party transactions in the disclosure year has complied, in all material respects, with clause 2.3.6 of the Determination and clauses 2.2.11(1)(g) and 2.2.11(5) of the IM Determination.

To meet these responsibilities, we planned and performed procedures in accordance with SAE (NZ) 3100 (Revised), to obtain reasonable assurance about whether the Company has complied, in all material respects, with the Disclosure Information (which includes the Related Party Transaction Information) required to be audited by the Determination.

An assurance engagement to report on the Company's compliance with the Determination involves performing procedures to obtain evidence about the compliance activity and controls implemented to meet the requirements. The procedures selected depend on our judgement, including the identification and assessment of the risks of material non-compliance with the requirements.

Inherent limitations

Because of the inherent limitations of an assurance engagement, together with the internal control structure, it is possible that fraud, error or non-compliance with the Determination may occur and not be detected. A reasonable assurance engagement throughout the disclosure year does not provide assurance on whether compliance with the Determination will continue in the future.

Restricted use

This report has been prepared for use by the directors of the Company and the Commerce Commission in accordance with clause 2.8.1(1)(a) of the Determination and is provided solely for the purpose of establishing whether the compliance requirements have been met. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the Company and the Commerce Commission, or for any other purpose than that for which it was prepared.

Independence and quality control

We complied with the Auditor-General's:

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

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

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The Auditor-General, and his employees, and Deloitte Limited and its partners and employees may deal with the Company on normal terms within the ordinary course of trading activities of the Company. Other than any dealings on normal terms within the ordinary course of trading activities of the Company, this engagement, the assurance engagement on Default Price-Quality Path and the annual audit of the Company's financial statements, we have no relationship with or interests in the Company.

Brett Tomkins

Brett Tomkins
Deloitte Limited
On behalf of the Auditor-General
Auckland, New Zealand
18 August 2022