



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

Company Name	Eastland Network
Disclosure Date	31 March 2021
Disclosure Year (year ended)	31 March 2021

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

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Company Name **Eastland Network**
 For Year Ended **31 March 2021**

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		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	Operational expenditure	37,029	408	169,505	2,668	47,415
9	Network	16,341	180	74,803	1,177	20,925
10	Non-network	20,688	228	94,701	1,491	26,491
11						
12	Expenditure on assets	32,466	358	148,616	2,339	41,572
13	Network	31,374	346	143,620	2,261	40,175
14	Non-network	1,091	12	4,996	79	1,398
15						
16						
17	1(ii): Revenue metrics	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)			
18						
19	Total consumer line charge revenue	101,195	1,116			
20	Standard consumer line charge revenue	101,195	1,116			
21	Non-standard consumer line charge revenue	–	–			
22						
23	1(iii): Service intensity measures					
24						
25	Demand density	16		<i>Maximum coincident system demand per km of circuit length (for supply) (kW/km)</i>		
26	Volume density	72		<i>Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)</i>		
27	Connection point density	7		<i>Average number of ICPs per km of circuit length (for supply) (ICPs/km)</i>		
28	Energy intensity	11,025		<i>Total energy delivered to ICPs per average number of ICPs (kWh/ICP)</i>		
29						
30	1(iv): Composition of regulatory income					
31						
32	Operational expenditure			(\$000)	% of revenue	
33	Pass-through and recoverable costs excluding financial incentives and wash-ups			10,526	36.16%	
34	Total depreciation			6,214	21.34%	
35	Total revaluations			6,483	22.27%	
36	Regulatory tax allowance			2,518	8.65%	
37	Regulatory profit/(loss) including financial incentives and wash-ups			1,716	5.89%	
38	Total regulatory income			6,692	22.99%	
39				29,113		
40	1(v): Reliability					
41						
42	Interruption rate			18.05		<i>Interruptions per 100 circuit km</i>

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 For Year Ended **31 March 2021**

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).

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sch ref

	CY-2	CY-1	Current Year CY
	31 Mar 19	31 Mar 20	31 Mar 21
	%	%	%
2(i): Return on Investment			
ROI – comparable to a post tax WACC			
Reflecting all revenue earned	7.83%	8.67%	3.84%
Excluding revenue earned from financial incentives	6.03%	6.81%	3.74%
Excluding revenue earned from financial incentives and wash-ups	6.13%	6.90%	3.74%
Mid-point estimate of post tax WACC			
25th percentile estimate	4.75%	4.27%	3.71%
75th percentile estimate	5.43%	4.95%	4.40%
ROI – comparable to a vanilla WACC			
Reflecting all revenue earned	8.34%	9.10%	4.17%
Excluding revenue earned from financial incentives	6.54%	7.23%	4.07%
Excluding revenue earned from financial incentives and wash-ups	6.64%	7.33%	4.07%
WACC rate used to set regulatory price path			
	7.19%	7.19%	4.57%
Mid-point estimate of vanilla WACC			
25th percentile estimate	5.26%	4.69%	4.05%
75th percentile estimate	5.94%	5.37%	4.73%
2(ii): Information Supporting the ROI			
			(\$000)
Total opening RAB value	166,070		
plus Opening deferred tax	(8,365)		
Opening RIV		157,706	
Line charge revenue		28,767	
Expenses cash outflow	16,740		
add Assets commissioned	10,983		
less Asset disposals	–		
add Tax payments	1,307		
less Other regulated income	346		
Mid-year net cash outflows		28,684	
Term credit spread differential allowance		–	
Total closing RAB value	172,870		
less Adjustment resulting from asset allocation	(219)		
less Lost and found assets adjustment	–		
plus Closing deferred tax	(8,774)		
Closing RIV		164,315	
ROI – comparable to a vanilla WACC			4.17%
Leverage (%)			42%
Cost of debt assumption (%)			2.82%
Corporate tax rate (%)			28%
ROI – comparable to a post tax WACC			3.84%

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 For Year Ended **31 March 2021**

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).

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sch ref

2(iii): Information Supporting the Monthly ROI

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

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

92			
93			
94	Year-end ROI – comparable to a vanilla WACC		3.96%
95			
96	Year-end ROI – comparable to a post tax WACC		3.63%
97			

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

2(v): Financial Incentives and Wash-Ups

101			
102	Net recoverable costs allowed under incremental rolling incentive scheme	-	
103	Purchased assets – avoided transmission charge	-	
104	Energy efficiency and demand incentive allowance		
105	Quality incentive adjustment	229	
106	Other financial incentives		
107	Financial incentives		229
108			
109	Impact of financial incentives on ROI		0.10%
110			
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		-
120			
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

7 3(i): Regulatory Profit		(\$000)
8	Income	
9	Line charge revenue	28,767
10	plus Gains / (losses) on asset disposals	-
11	plus Other regulated income (other than gains / (losses) on asset disposals)	346
12		
13	Total regulatory income	29,113
14	Expenses	
15	less Operational expenditure	10,526
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	6,214
18		
19	Operating surplus / (deficit)	12,373
20		
21	less Total depreciation	6,483
22		
23	plus Total revaluations	2,518
24		
25	Regulatory profit / (loss) before tax	8,408
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	1,716
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	6,692
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	269
36	Commerce Act levies	56
37	Industry levies	75
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	5,445
41	Transpower new investment contract charges	75
42	System operator services	-
43	Distributed generation allowance	264
44	Extended reserves allowance	-
45	Other recoverable costs excluding financial incentives and wash-ups	30
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	6,214
47		

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

		(\$000)	
		CY-1 31 Mar 20	CY 31 Mar 21
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56			
57	CY-5 31 Mar 16		
58	CY-4 31 Mar 17		
59	CY-3 31 Mar 18		
60	CY-2 31 Mar 19		
61	CY-1 31 Mar 20		
62	Net incremental rolling incentive scheme		-
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		-
65	3(iv): Merger and Acquisition Expenditure		
70			(\$000)
66	Merger and acquisition expenditure		
67			
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>		
69	3(v): Other Disclosures		
70			(\$000)
71	Self-insurance allowance		

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

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

7 8 9	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	4(i): Regulatory Asset Base Value (Rolled Forward)	for year ended				
			RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)	RAB 31 Mar 21 (\$000)
		Total opening RAB value	140,586	151,867	154,613	161,678	166,070
		less Total depreciation	6,307	5,692	6,089	6,248	6,483
		plus Total revaluations	3,020	1,665	2,288	4,044	2,518
		plus Assets commissioned	7,724	7,061	11,756	8,529	10,983
		less Asset disposals	313	289	162	-	-
		plus Lost and found assets adjustment	-	-	-	-	-
		plus Adjustment resulting from asset allocation	7,158	(0)	(728)	(1,931)	(219)
		Total closing RAB value	151,867	154,613	161,678	166,070	172,870

26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	4(ii): Unallocated Regulatory Asset Base	Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		168,748		166,070
	less Total depreciation		6,483		6,483
	plus Total revaluations		2,559		2,518
	plus Assets commissioned (other than below)	10,983		10,983	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	Assets commissioned		10,983		10,983
	less Asset disposals (other than below)	-		-	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		-		-
	plus Lost and found assets adjustment				
	plus Adjustment resulting from asset allocation				(219)
	Total closing RAB value		175,807		172,870

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

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

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

sch ref

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

CPI _t	1,068
CPI _{t-4}	1,052
Revaluation rate (%)	1.52%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	168,748		166,070	
less Opening value of fully depreciated, disposed and lost assets	524		524	
Total opening RAB value subject to revaluation	168,224		165,546	
Total revaluations		2,559		2,518

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		2,698		767
plus Capital expenditure	10,781		10,781	
less Assets commissioned	10,983		10,983	
plus Adjustment resulting from asset allocation			(219)	
Works under construction - current disclosure year		2,495		346

Highest rate of capitalised finance applied

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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**

77
 78
 79 Depreciation - standard
 80 Depreciation - no standard life assets
 81 Depreciation - modified life assets
 82 Depreciation - alternative depreciation in accordance with CPP
 83 **Total depreciation**
 84

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
6,483		6,483	
	6,483		6,483

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

(\$000 unless otherwise specified)

86 Asset or assets with changes to depreciation*	87 Reason for non-standard depreciation (text entry)	88 Closing RAB value		
		89 Depreciation charge for the period (RAB)	90 under 'non-standard' depreciation	91 Closing RAB value under 'standard' depreciation
92				
93				
94				
95				

* include additional rows if needed

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

(\$000 unless otherwise specified)

98	99	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
	Total opening RAB value	17,792	1,364	23,696	59,536	25,869	17,396	8,615	3,457	8,346	166,070
	less Total depreciation	676	33	992	2,001	778	675	402	404	521	6,483
	plus Total revaluations	270	21	360	905	393	264	131	52	121	2,518
	plus Assets commissioned	883	117	1,335	3,825	666	827	412	2,226	693	10,983
	less Asset disposals	-	-	-	-	-	-	-	-	-	-
	plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
	plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	(219)	(219)
	plus Asset category transfers	-	-	-	-	-	-	-	-	-	-
	Total closing RAB value	18,269	1,468	24,399	62,265	26,150	17,812	8,755	5,332	8,420	172,870
	Asset Life										
	Weighted average remaining asset life	35.61	39.37	30.64	38.13	39.06	29.89	24.65	14.83	17.95	(years)
	Weighted average expected total asset life	55.48	55.00	44.35	55.67	59.11	44.67	38.36	26.40	21.17	(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 70

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		8,408
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable		*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	7	*
12	Amortisation of initial differences in asset values	1,901	
13	Amortisation of revaluations	172	
14			2,079
15			
16	<i>less</i> Total revaluations	2,518	
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	1,842	
21			4,360
22			
23	Regulatory taxable income		6,127
24			
25	<i>less</i> Utilised tax losses		
26	Regulatory net taxable income		6,127
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		1,716

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

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

		(\$000)	
34	5a(iii): Amortisation of Initial Difference in Asset Values		
35			
36	Opening unamortised initial differences in asset values	41,775	
37	<i>less</i> Amortisation of initial differences in asset values	1,901	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed		
40	Closing unamortised initial differences in asset values		39,874
41			
42	Opening weighted average remaining useful life of relevant assets (years)		22
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 70

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	154,472	
47			
48	Adjusted depreciation	6,312	
49	Total depreciation	6,483	
50	Amortisation of revaluations		172
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	(8,365)	
61			
62	plus Tax effect of adjusted depreciation	1,767	
63			
64	less Tax effect of tax depreciation	1,759	
65			
66	plus Tax effect of other temporary differences*	119	
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	-	
73			
74	plus Deferred tax cost allocation adjustment	(4)	
75			
76	Closing deferred tax		(8,774)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		
82			(\$000)
83	Opening sum of regulatory tax asset values	77,201	
84	less Tax depreciation	6,281	
85	plus Regulatory tax asset value of assets commissioned	10,983	
86	less Regulatory tax asset value of asset disposals	-	
87	plus Lost and found assets adjustment	-	
88	plus Adjustment resulting from asset allocation	(234)	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		81,669

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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

5b(i): Summary—Related Party Transactions		(\$000)	(\$000)
7	Total regulatory income		648
8			
9			
10	Market value of asset disposals		
11			
12	Service interruptions and emergencies	898	
13	Vegetation management	12	
14	Routine and corrective maintenance and inspection	82	
15	Asset replacement and renewal (opex)	392	
16	Network opex		1,384
17	Business support	1,910	
18	System operations and network support	–	
19	Operational expenditure		3,294
20	Consumer connection	–	
21	System growth	15	
22	Asset replacement and renewal (capex)	71	
23	Asset relocations	–	
24	Quality of supply	2	
25	Legislative and regulatory	–	
26	Other reliability, safety and environment	–	
27	Expenditure on non-network assets		–
28	Expenditure on assets		89
29	Cost of financing		
30	Value of capital contributions		
31	Value of vested assets		
32	Capital Expenditure		89
33	Total expenditure		3,383
34			
35	Other related party transactions		179

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

Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
Eastech	Asset replacement and renewal (capex)	71
Eastech	System growth	15
Eastech	Quality of supply	2
Eastech	Service interruptions and emergencies	898
Eastech	Vegetation management	12
Eastech	Asset replacement and renewal (opex)	26
Eastech	Routine and corrective maintenance and inspection	82
Eastland Group Limited	Business support	1,910
Eastland Generation	Asset replacement and renewal (opex)	366
Total value of related party transactions		3,383

* include additional rows if needed

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

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

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

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

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

Gross term credit spread differential		-
Total book value of interest bearing debt		
Leverage	42%	
Average opening and closing RAB values		
Attribution Rate (%)		-
Term credit spread differential allowance		-

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

		Value allocated (\$000s)			
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	OVABAA allocation increase (\$000s)
			Total		
7	5d(i): Operating Cost Allocations				
8					
9					
10	Service interruptions and emergencies				
11	Directly attributable		1,514		
12	Not directly attributable				
13	Total attributable to regulated service		1,514		
14	Vegetation management				
15	Directly attributable		1,113		
16	Not directly attributable				
17	Total attributable to regulated service		1,113		
18	Routine and corrective maintenance and inspection				
19	Directly attributable		1,330		
20	Not directly attributable				
21	Total attributable to regulated service		1,330		
22	Asset replacement and renewal				
23	Directly attributable		689		
24	Not directly attributable				
25	Total attributable to regulated service		689		
26	System operations and network support				
27	Directly attributable		2,764		
28	Not directly attributable				
29	Total attributable to regulated service		2,764		
30	Business support				
31	Directly attributable		3,117		
32	Not directly attributable				
33	Total attributable to regulated service		3,117		
34					
35	Operating costs directly attributable		10,526		
36	Operating costs not directly attributable				
37	Operational expenditure		10,526		
38					

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

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**

Pass through and recoverable costs		(\$000)
Pass through costs		
Directly attributable		400
Not directly attributable		
Total attributable to regulated service		400
Recoverable costs		
Directly attributable		5,814
Not directly attributable		
Total attributable to regulated service		5,814

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

		(\$000)	
Change in cost allocation 1		CY-1	Current Year (CY)
Cost category		Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	-
Rationale for change			

		(\$000)	
Change in cost allocation 2		CY-1	Current Year (CY)
Cost category		Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	-
Rationale for change			

		(\$000)	
Change in cost allocation 3		CY-1	Current Year (CY)
Cost category		Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	-
Rationale for change			

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

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

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.

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5e(i): Regulated Service Asset Values

	Value allocated (\$000s) Electricity distribution services
Subtransmission lines	
Directly attributable	18,269
Not directly attributable	
Total attributable to regulated service	18,269
Subtransmission cables	
Directly attributable	1,468
Not directly attributable	
Total attributable to regulated service	1,468
Zone substations	
Directly attributable	24,399
Not directly attributable	
Total attributable to regulated service	24,399
Distribution and LV lines	
Directly attributable	62,265
Not directly attributable	
Total attributable to regulated service	62,265
Distribution and LV cables	
Directly attributable	26,150
Not directly attributable	
Total attributable to regulated service	26,150
Distribution substations and transformers	
Directly attributable	17,812
Not directly attributable	
Total attributable to regulated service	17,812
Distribution switchgear	
Directly attributable	8,755
Not directly attributable	
Total attributable to regulated service	8,755
Other network assets	
Directly attributable	5,332
Not directly attributable	
Total attributable to regulated service	5,332
Non-network assets	
Directly attributable	8,420
Not directly attributable	
Total attributable to regulated service	8,420
Regulated service asset value directly attributable	172,870
Regulated service asset value not directly attributable	-
Total closing RAB value	172,870

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

			(\$000)	
			CY-1	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				
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				
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 component
 † include additional rows if needed

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

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

		(\$000)	(\$000)
7	6a(i): Expenditure on Assets		
8	Consumer connection		32
9	System growth		165
10	Asset replacement and renewal		8,317
11	Asset relocations		-
12	Reliability, safety and environment:		
13	Quality of supply	381	
14	Legislative and regulatory	-	
15	Other reliability, safety and environment	23	
16	Total reliability, safety and environment		404
17	Expenditure on network assets		8,919
18	Expenditure on non-network assets		310
19			
20	Expenditure on assets		9,229
21	plus Cost of financing		
22	less Value of capital contributions		-
23	plus Value of vested assets		1,552
24			
25	Capital expenditure		10,781
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	32	
33	Commercial	-	
34	Industrial	-	
37	* include additional rows if needed		
38	Consumer connection expenditure		32
39			
40	less Capital contributions funding consumer connection expenditure		
41	Consumer connection less capital contributions		32
42	6a(iv): System Growth and Asset Replacement and Renewal		
43			
44		System Growth	Asset Replacement and Renewal
45		(\$000)	(\$000)
45	Subtransmission	4	1,937
46	Zone substations	-	712
47	Distribution and LV lines	54	4,080
48	Distribution and LV cables	16	347
49	Distribution substations and transformers	91	614
50	Distribution switchgear	-	406
51	Other network assets	-	221
52	System growth and asset replacement and renewal expenditure	165	8,317
53	less Capital contributions funding system growth and asset replacement and renewal		
54	System growth and asset replacement and renewal less capital contributions	165	8,317
55			
56	6a(v): Asset Relocations		
57	Project or programme*	(\$000)	(\$000)
58	Asset relocations (for Territorial authorities)	-	
63	* include additional rows if needed		
64	All other projects or programmes - asset relocations		
65	Asset relocations expenditure		-
66	less Capital contributions funding asset relocations		
67	Asset relocations less capital contributions		-

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

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

		(\$000)	(\$000)
68			
69	6a(vi): Quality of Supply		
70	Project or programme*		
71	50 kV cables CA report/ test equipment	-	
	11kV Field Recloser Automation Plan - additions	308	
72	SCADA Master Station Development	17	
73	Trailer mounted 30KVA Generator	56	
76	* include additional rows if needed		
77	All other projects programmes - quality of supply		
78	Quality of supply expenditure		381
79	less Capital contributions funding quality of supply		
80	Quality of supply less capital contributions		381
81	6a(vii): Legislative and Regulatory		
82	Project or programme*		
83			
88	* include additional rows if needed		
89	All other projects or programmes - legislative and regulatory		
90	Legislative and regulatory expenditure		-
91	less Capital contributions funding legislative and regulatory		
92	Legislative and regulatory less capital contributions		-
93	6a(viii): Other Reliability, Safety and Environment		
94	Project or programme*		
95	Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety	23	
100	* include additional rows if needed		
101	All other projects or programmes - other reliability, safety and environment		
102	Other reliability, safety and environment expenditure		23
103	less Capital contributions funding other reliability, safety and environment		
104	Other reliability, safety and environment less capital contributions		23
105			
106	6a(ix): Non-Network Assets		
107	Routine expenditure		
108	Project or programme*		
109	Vehicle Replacements	180	
110	Test Instrument & Safety Equipment,(inc Lone worker 19/20 additional/upgrade)	22	
111	General asset replacement (Ntk)	81	
112	General building capex (ENL office, Eastech, Wairoa Depot)	28	
114	* include additional rows if needed		
115	All other projects or programmes - routine expenditure		
116	Routine expenditure		310
117	Atypical expenditure		
118	Project or programme*		
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		310

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

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

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.

EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	1,514	
9	Vegetation management	1,113	
10	Routine and corrective maintenance and inspection	1,330	
11	Asset replacement and renewal	689	
12	Network opex		4,645
13	System operations and network support	2,764	
14	Business support	3,117	
15	Non-network opex		5,881
16			
17	Operational expenditure		10,526
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		303
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Eastland Network**
For Year Ended **31 March 2021**

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(i): Revenue			
Line charge revenue	28,926	28,767	(1%)
7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
Consumer connection	112	32	(71%)
System growth	1,002	165	(83%)
Asset replacement and renewal	7,785	8,317	7%
Asset relocations	50	–	(100%)
Reliability, safety and environment:			
Quality of supply	157	381	143%
Legislative and regulatory	–	–	–
Other reliability, safety and environment	341	23	(93%)
Total reliability, safety and environment	498	404	(19%)
Expenditure on network assets	9,446	8,919	(6%)
Expenditure on non-network assets	54	310	475%
Expenditure on assets	9,500	9,229	(3%)
7(iii): Operational Expenditure			
Service interruptions and emergencies	1,387	1,514	9%
Vegetation management	1,065	1,113	5%
Routine and corrective maintenance and inspection	1,468	1,330	(9%)
Asset replacement and renewal	1,810	689	(62%)
Network opex	5,730	4,645	(19%)
System operations and network support	2,392	2,764	16%
Business support	3,778	3,117	(18%)
Non-network opex	6,170	5,881	(5%)
Operational expenditure	11,901	10,526	(12%)
7(iv): Subcomponents of Expenditure on Assets (where known)			
Energy efficiency and demand side management, reduction of energy losses	–	–	–
Overhead to underground conversion	–	–	–
Research and development	–	–	–
7(v): Subcomponents of Operational Expenditure (where known)			
Energy efficiency and demand side management, reduction of energy losses	–	–	–
Direct billing	–	–	–
Research and development	–	–	–
Insurance	312	303	(3%)

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

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)

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

sch ref

8(i): Billed Quantities by Price Component

Billed quantities by price component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
LFC0030	Domestic	Standard	14,602	76,419.1
STD0003	Non-Domestic, Commercial	Standard	261	843.4
STD0030	Combined Domestic & Non-Domestic	Standard	10,353	92,377.8
STD0100	Non-Domestic, Commercial	Standard	402	24,088.5
STD0300	Non-Domestic, Commercial	Standard	98	16,202.7
TOU0300	Non-Domestic, Commercial	Standard	8	3,408.5
TOU0500	Non-Domestic, Commercial	Standard	22	9,615.7
TOU1000	Non-Domestic, Commercial	Standard	25	30,581.9
TOU4500	Non-Domestic, Commercial	Standard	3	24,028.1
TOU6500	Non-Domestic, Commercial	Standard	1	6,704.1
GEN1000	Security - Gensets	Standard	6	0.0
GEN4500	Generation - Clear Water Hydro	Standard	1	0.0
GEN6500	Generation (Waihi)	Standard	1	0.0

Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)

Price component	Fixed	Variable Uncontrolled	Variable Controlled	Variable Night (Mass Market)	Variable Evening Peak (TOU)	Variable Morning Peak (TOU)	Variable Off Peak (TOU)	Variable Night (TOU)
Days	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
	5,329,730	57,835,053	18,584,027					
	95,265	843,362						
	3,778,845	77,306,124	15,071,719					
	146,730	23,595,117	493,407					
	35,770	16,191,013	11,705					
	2,920			-	627,655	955,765	1,152,906	672,217
	8,030				1,555,369	2,340,301	3,086,491	2,633,498
	9,125	(105)			4,940,802	7,525,163	9,817,085	8,298,914
	1,095				3,898,624	5,579,059	7,417,232	7,133,200
	365				975,340	1,771,633	2,081,462	1,875,703
	2,190							
	365							
	365							

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

Standard consumer totals	25,783	284,269.8
Non-standard consumer totals	n/a	n/a
Total for all consumers	25,783	284,269.8

	9,410,795	175,770,565	34,160,858	-	11,997,790	18,171,921	23,555,176	20,613,532
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	9,410,795	175,770,565	34,160,858	-	11,997,790	18,171,921	23,555,176	20,613,532

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)	Line charge revenues (\$000) by price component								
								Price component	Fixed Component Only	Variable Uncontrolled (Mass Market)	Variable Controlled (Mass Market)	Variable Night (Mass Market)	Variable Evening Peak (TOU)	Variable Morning Peak (TOU)	Variable Off Peak (TOU)	Variable Night (TOU)
								\$ per day	\$ per kWh	\$ per kWh	\$ per kWh	\$ per kWh	\$ per kWh	\$ per kWh	\$ per kWh	\$ per kWh
LFC0030	Domestic	Standard	\$9,941		\$8,990.6	\$950.7		\$856.3	\$7,642.5	\$1,442.5	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
STD0003	Non-Domestic, Commercial	Standard	\$150		\$125.0	\$25.3		\$45.1	\$105.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
STD0030	Combined Domestic & Non-Domestic	Standard	\$11,253		\$7,727.5	\$3,525.8		\$7,328.4	\$3,471.4	\$453.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
STD0100	Non-Domestic, Commercial	Standard	\$2,637		\$2,106.7	\$530.4		\$1,138.5	\$1,478.5	\$20.1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
STD0300	Non-Domestic, Commercial	Standard	\$1,381		\$1,120.6	\$260.3		\$562.2	\$818.3	\$0.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
TOU0300	Non-Domestic, Commercial	Standard	\$179		\$145.1	\$33.7		\$76.1	\$0.0	\$0.0	\$0.0	\$25.2	\$35.3	\$32.8	\$9.4	\$9.4
TOU0500	Non-Domestic, Commercial	Standard	\$552		\$447.9	\$104.3		\$235.8	\$0.0	\$0.0	\$0.0	\$70.5	\$98.5	\$101.9	\$45.6	\$45.6
TOU1000	Non-Domestic, Commercial	Standard	\$1,425		\$1,193.0	\$231.8		\$416.4	\$0.0	\$0.0	\$0.0	\$223.8	\$316.9	\$324.0	\$143.6	\$143.6
TOU4500	Non-Domestic, Commercial	Standard	\$896		\$778.6	\$117.4		\$124.5	\$0.0	\$0.0	\$0.0	\$173.9	\$231.0	\$243.3	\$123.4	\$123.4
TOU6500	Non-Domestic, Commercial	Standard	\$281		\$239.2	\$41.5		\$63.1	\$0.0	\$0.0	\$0.0	\$43.5	\$73.3	\$68.3	\$32.4	\$32.4
GEN4500	Generation - Clear Water Hydro	Standard	\$28		\$28.3	\$0.0		\$28.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
GEN6500	Generation (Waihi)	Standard	\$43		\$43.0	\$0.0		\$43.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>																
Standard consumer totals			\$28,766.7	\$0.0	\$22,945.3	\$5,821.4		\$10,917.7	\$13,515.9	\$1,916.4	\$0.0	\$536.8	\$755.1	\$770.3	\$354.4	\$354.4
Non-standard consumer totals			n/a	n/a	n/a	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total for all consumers			\$28,766.7	\$0.0	\$22,945.3	\$5,821.4		\$10,917.7	\$13,515.9	\$1,916.4	\$0.0	\$536.8	\$755.1	\$770.3	\$354.4	\$354.4

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end Check

Company Name	Eastland Network
For Year Ended	31 March 2021
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

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
9	All	Overhead Line	Concrete poles / steel structure	No.	17,063	17,365	(302)	3
10	All	Overhead Line	Wood poles	No.	18,043	17,740	303	3
11	All	Overhead Line	Other pole types	No.	-	-	-	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	336	336	0	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	307	307	0	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.	45	47	(2)	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	112	-	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.	44	39	5	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,387	2,379	8	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	38	39	(1)	1
39	HV	Distribution Cable	Distribution UG PILC	km	102	102	(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.	38	38	-	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.	4,449	4,410	39	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	77	73	4	4
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	314	287	27	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,046	3,047	(1)	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	551	556	(5)	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	505	504	1	1
51	LV	LV Cable	LV UG Cable	km	273	274	(1)	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.	26,300	26,254	46	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	191	172	19	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1,129	1,111	18	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	17,013	-	1
59	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name	Eastland Network
For Year Ended	31 March 2021
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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	13,731	13,971	(240)	3
9	All	Overhead Line	Wood poles	No.	14,029	13,764	265	3
10	All	Overhead Line	Other pole types	No.	-	-	-	N/A
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	269	269	0	1
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	180	180	0	2
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	0	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	17	17	-	2
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	5	5	-	2
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	42	44	(2)	2
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	3
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	N/A
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	N/A
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	86	86	-	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	5	5	-	2
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	32	25	7	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,706	1,698	8	1
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	33	35	(2)	1
38	HV	Distribution Cable	Distribution UG PILC	km	87	86	1	1
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	23	25	(2)	2
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	15	15	-	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,331	3,304	27	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	61	57	4	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	272	243	29	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,255	2,263	(8)	2
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	459	463	(4)	4
47	HV	Distribution Transformer	Voltage regulators	No.	8	8	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
49	LV	LV Line	LV OH Conductor	km	371	370	1	1
50	LV	LV Cable	LV UG Cable	km	222	221	1	1
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	21	21	(0)	1
52	LV	Connections	OH/UG consumer service connections	No.	21,329	21,283	46	1
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	152	133	19	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	969	950	19	1
55	All	Capacitor Banks	Capacitors including controls	No.	1	1	-	3
56	All	Load Control	Centralised plant	Lot	5	5	-	2
57	All	Load Control	Relays	No.	17,013	17,013	-	1
58	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name	Eastland Network
For Year Ended	31 March 2021
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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	3,332	3,394	(62)	3
9	All	Overhead Line	Wood poles	No.	4,014	3,976	38	3
10	All	Overhead Line	Other pole types	No.	-	-	-	N/A
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	67	67	(0)	1
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	127	127	(0)	2
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	0	0	-	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	2	2	-	2
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	6	6	-	2
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	3	3	-	2
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	2	2	-	3
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	N/A
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	1	-	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	26	26	-	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	2	2	-	2
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	12	12	-	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	680	681	(1)	1
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	1	1	(0)	1
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	5	5	(0)	1
38	HV	Distribution Cable	Distribution UG PILC	km	15	15	0	1
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	15	13	2	2
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1,118	1,106	12	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	16	16	-	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	42	44	(2)	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	791	784	7	2
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	92	93	(1)	4
47	HV	Distribution Transformer	Voltage regulators	No.	3	3	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
49	LV	LV Line	LV OH Conductor	km	134	134	(0)	1
50	LV	LV Cable	LV UG Cable	km	52	52	0	1
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1	1	(0)	1
52	LV	Connections	OH/UG consumer service connections	No.	4,971	4,971	-	1
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	39	39	-	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	160	161	(1)	1
55	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	N/A
56	All	Load Control	Centralised plant	Lot	3	3	-	2
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name: Eastland Network
For Year Ended: 31 March 2021
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.

Table with columns: Voltage, Asset category, Asset class, Units, and years from pre-1940 to 2025. Includes sub-headers for 'Disclosure Year (year ended)' and 'Number of assets at disclosure year end by installation date'. Rows include various asset types like Overhead Line, Subtransmission Cable, Distribution Transformer, etc.

Company Name
For Year Ended
Network / Sub-network Name

Eastland Network
31 March 2021
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.

Table with columns: Voltage, Asset category, Asset class, Units, pre-1940, 1940-1949, 1950-1959, 1960-1969, 1970-1979, 1980-1989, 1990-2000, 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].

Company Name **Eastland Network**

For Year Ended **31 March 2021**

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)	2,380	141	2,521
17	Low voltage (< 1kV)	504	275	779
18	Total circuit length (for supply)	3,528	417	3,945
19				
20	Dedicated street lighting circuit length (km)	13	9	22
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			1,000
22				
23	Overhead circuit length by terrain (at year end)	(% of total Circuit length (km) overhead length)		
24	Urban	193	5%	
25	Rural	1,490	42%	
26	Remote only	312	9%	
27	Rugged only	1,182	34%	
28	Remote and rugged	347	10%	
29	Unallocated overhead lines	5	0%	
30	Total overhead length	3,528	100%	
31				
32		(% of total circuit Circuit length (km) length)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)		—	
34		(% of total Circuit length (km) overhead length)		
35	Overhead circuit requiring vegetation management	3,528	100%	

Company Name	Eastland Network
For Year Ended	31 March 2021
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)
11	> 66kV	180	-
12	50kV & 66kV	269	1
13	33kV	-	-
14	SWER (all SWER voltages)	-	-
15	22kV (other than SWER)	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	1,699	121
17	Low voltage (< 1kV)	370	222
18	Total circuit length (for supply)	2,519	344
19			
20	Dedicated street lighting circuit length (km)	13	8
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		700
22			
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)
24	Urban	170	7%
25	Rural	1,185	47%
26	Remote only	259	10%
27	Rugged only	754	30%
28	Remote and rugged	148	6%
29	Unallocated overhead lines	3	0%
30	Total overhead length	2,519	100%
31			
32		(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)		-
34		(% of total overhead length)	
35	Overhead circuit requiring vegetation management	2,519	100%

Company Name	Eastland Network
For Year Ended	31 March 2021
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)	681	20	701
17	Low voltage (< 1kV)	134	53	187
18	Total circuit length (for supply)	1,009	73	1,082
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)	(% of total circuit length (km) 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	1,009		100%
31				
32		(% of total circuit length (km) length)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)			-
34		(% of total circuit length (km) overhead length)		
35	Overhead circuit requiring vegetation management	1,009		100%

Company Name **Eastland Network**
 For Year Ended **31 March 2021**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26	* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network		

Company Name **Eastland Network**

For Year Ended **31 March 2021**

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

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

Domestic/Residential
Commercial
Large Commercial
Industrial

Number of connections (ICPs)

64
148
-
-
-

* include additional rows if needed

Connections total

212

Distributed generation

Number of connections made in year

79

connections

Capacity of distributed generation installed in year

0.42

MVA

9e(ii): System Demand

Maximum coincident system demand

GXP demand

55

plus Distributed generation output at HV and above

7

Maximum coincident system demand

62

less Net transfers to (from) other EDBs at HV and above

-

Demand on system for supply to consumers' connection points

62

Demand at time of maximum coincident demand (MW)

Electricity volumes carried

Electricity supplied from GXPs

298

less Electricity exports to GXPs

-

plus Electricity supplied from distributed generation

13

less Net electricity supplied to (from) other EDBs

-

Electricity entering system for supply to consumers' connection points

311

less Total energy delivered to ICPs

284

Electricity losses (loss ratio)

27

8.5%

Load factor

0.57

9e(iii): Transformer Capacity

(MVA)

Distribution transformer capacity (EDB owned)

222

Distribution transformer capacity (Non-EDB owned, estimated)

50

Total distribution transformer capacity

272

Zone substation transformer capacity

345

Company Name **Eastland Network**

For Year Ended **31 March 2021**

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

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

Domestic/Residential
Commercial
Large Commercial
Industrial

Number of connections (ICPs)

48
134
-
-
-

* include additional rows if needed

Connections total

182

Distributed generation

Number of connections made in year

70

connections

Capacity of distributed generation installed in year

0.38

MVA

9e(ii): System Demand

Maximum coincident system demand

GXP demand

50

plus Distributed generation output at HV and above

2

Maximum coincident system demand

53

less Net transfers to (from) other EDBs at HV and above

-

Demand on system for supply to consumers' connection points

53

Demand at time of maximum coincident demand (MW)

Electricity volumes carried

Electricity supplied from GXPs

252

less Electricity exports to GXPs

-

plus Electricity supplied from distributed generation

4

less Net electricity supplied to (from) other EDBs

-

Electricity entering system for supply to consumers' connection points

256

less Total energy delivered to ICPs

256

Electricity losses (loss ratio)

256

100.0%

Load factor

0.56

9e(iii): Transformer Capacity

(MVA)

Distribution transformer capacity (EDB owned)

183

Distribution transformer capacity (Non-EDB owned, estimated)

41

Total distribution transformer capacity

224

Zone substation transformer capacity

285

Company Name	Eastland Network
For Year Ended	31 March 2021
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

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		16
12	Commercial		14
13	Large Commercial		-
14	Industrial		-
15			-
16	* include additional rows if needed		
17	Connections total		30
18	Distributed generation		
19	Number of connections made in year	9	connections
20	Capacity of distributed generation installed in year	0.04	MVA
21			
22	9e(ii): System Demand		
23			
24			Demand at time of maximum coincident demand (MW)
25	Maximum coincident system demand		
26	GXP demand	6	
27	plus Distributed generation output at HV and above	5	
28	Maximum coincident system demand	11	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	Demand on system for supply to consumers' connection points	11	
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	9	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	54	
37	less Total energy delivered to ICPs	49	
38	Electricity losses (loss ratio)	5	9.4%
39			
40	Load factor	0.58	
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 2021
Network / Sub-network Name	Eastland Network Limited/ALL

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)	-	
11	Class B (planned interruptions on the network)	248	
12	Class C (unplanned interruptions on the network)	464	
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	712	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	357	107
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.54	130.46
27	Class C (unplanned interruptions on the network)	2.89	195.87
28	Class D (unplanned interruptions by Transpower)	-	-
29	Class E (unplanned interruptions of EDB owned generation)	-	-
30	Class F (unplanned interruptions of generation owned by others)	-	-
31	Class G (unplanned interruptions caused by another disclosing entity)	-	-
32	Class H (planned interruptions caused by another disclosing entity)	-	-
33	Class I (interruptions caused by parties not included above)	-	-
34	Total	3.43	326.3
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	3.31	320.38
38			

Company Name	Eastland Network
For Year Ended	31 March 2021
Network / Sub-network Name	Eastland Network Limited/ALL

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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

Cause	SAIFI	SAIDI
Lightning	0.01	1.13
Vegetation	0.36	50.92
Adverse weather	0.35	17.63
Adverse environment	0.08	5.41
Third party interference	0.25	20.30
Wildlife	0.16	17.68
Human error	0.19	7.59
Defective equipment	0.67	43.58
Cause unknown	0.82	31.63

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.01	2.20
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.48	121.67
Distribution cables (excluding LV)	0.05	6.59
Distribution other (excluding LV)	-	-

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.64	12.62
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	2.22	182.79
Distribution cables (excluding LV)	0.03	0.45
Distribution other (excluding LV)	-	-

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	6	643	0.93
Subtransmission cables	-	1	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	456	2,381	19.15
Distribution cables (excluding LV)	2	141	1.42
Distribution other (excluding LV)	-	-	-
Total	464		

Company Name	Eastland Network
For Year Ended	31 March 2021
Network / Sub-network Name	Eastland Network Limited/GIS

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)	-	
11	Class B (planned interruptions on the network)	181	
12	Class C (unplanned interruptions on the network)	356	
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	537	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	271	85
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.44	97.93
27	Class C (unplanned interruptions on the network)	2.16	164.69
28	Class D (unplanned interruptions by Transpower)	-	-
29	Class E (unplanned interruptions of EDB owned generation)	-	-
30	Class F (unplanned interruptions of generation owned by others)	-	-
31	Class G (unplanned interruptions caused by another disclosing entity)	-	-
32	Class H (planned interruptions caused by another disclosing entity)	-	-
33	Class I (interruptions caused by parties not included above)	-	-
34	Total	2.61	262.6
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	2.44	256.68
38			

Company Name	Eastland Network
For Year Ended	31 March 2021
Network / Sub-network Name	Eastland Network Limited/GIS

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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

Cause	SAIFI	SAIDI
Lightning	0.00	1.06
Vegetation	0.34	51.44
Adverse weather	0.18	9.85
Adverse environment	0.05	4.28
Third party interference	0.24	22.40
Wildlife	0.06	7.90
Human error	0.02	5.62
Defective equipment	0.39	36.75
Cause unknown	0.86	25.39

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.00	0.21
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.41	93.83
Distribution cables (excluding LV)	0.03	3.90
Distribution other (excluding LV)	-	-

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.45	6.54
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	1.69	157.59
Distribution cables (excluding LV)	0.03	0.56
Distribution other (excluding LV)	-	-

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	3	450	0.67
Subtransmission cables	-	1	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	351	1,699	20.66
Distribution cables (excluding LV)	2	121	1.65
Distribution other (excluding LV)	-	-	-
Total	356		

Company Name	Eastland Network
For Year Ended	31 March 2021
Network / Sub-network Name	Eastland Network Limited/WRA

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)	-	
11	Class B (planned interruptions on the network)	67	
12	Class C (unplanned interruptions on the network)	108	
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	175	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	86	22
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.95	272.31
27	Class C (unplanned interruptions on the network)	6.06	331.85
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	7.00	604.2
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	7.00	604.16
38			

Company Name	Eastland Network
For Year Ended	31 March 2021
Network / Sub-network Name	Eastland Network Limited/WRA

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIFI, SAIPI 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	0.01	1.43
Vegetation	0.43	48.63
Adverse weather	1.08	51.60
Adverse environment	0.20	10.33
Third party interference	0.31	11.16
Wildlife	0.59	60.31
Human error	0.93	16.20
Defective equipment	1.90	73.33
Cause unknown	0.61	58.85

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.02	10.86
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.78	243.12
Distribution cables (excluding LV)	0.14	18.34
Distribution other (excluding LV)	-	-

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	1.49	39.15
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	4.56	292.69
Distribution cables (excluding LV)	-	-
Distribution other (excluding LV)	-	-

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	3	193	1.55
Subtransmission cables	-	0	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	105	681	15.42
Distribution cables (excluding LV)	-	20	-
Distribution other (excluding LV)	-	-	-
Total	108		



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

Company Name	Eastland Network
Disclosure Date	31 March 2021
Disclosure Year (year ended)	31 March 2021

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

Table of Contents

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

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2021**

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	Have costs been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?											No
8												
9												
10					Allocator Metric (%)		Value allocated (\$000)				OVABAA allocation increase (\$000)	
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		
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 Limited**
 For Year Ended **31 March 2021**

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							-	-	-	-

* include additional rows if needed

Company Name **Eastland Network Limited**
 For Year Ended **31 March 2021**

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	Have assets been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?										
8											No
9											
10					Allocator Metric (%)		Value allocated (\$000)				
11	Line Item*	Allocation methodology type	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	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							-	-	-	-

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

sch ref	Category																
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																	
57	Other network assets																
58																	
59																	
60																	
61	Not directly attributable																
62																	
63	Non-network assets																
64																	
65																	
66																	
67	Not directly attributable																
68																	
69	Regulated service asset value not directly attributable																
70	<i>* include additional rows if needed</i>																

Company Name	<u>Eastland Network Limited</u>
For Year Ended	<u>31 March 2021</u>

Schedule 14 Mandatory Explanatory Notes

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

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

Return on Investment (Schedule 2)

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

Box 1: Explanatory comment on return on investment

There are no reclassified items.

Regulatory Profit (Schedule 3)

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

Box 2: Explanatory comment on regulatory profit

Material items included in other regulated income included

- Our regulated profit for the year is \$6.7m which is a decrease compared to regulated income from the previous year due to the new DPP requirements and a decreased allowable revenue.
- Material items included in other regulated income include a compensation receipt from a forestry company for damage to network property and miscellaneous income.

There are no reclassified items.

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

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-
- 6.1 information on reclassified items in accordance with subclause 2.7.1(2).
- 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure

There were no merger or acquisition expenditure during the year.

Value of the Regulatory Asset Base (Schedule 4)

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

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

The RAB has increased by \$6.3m. CPI remained constant at 1.52% which resulted in an increase in revaluations. Assets commissioned contributed \$10.5m to the RAB compared to additions last year of \$8.5m. \$1.7m of assets commissioned in 2021 were diesel generators purchased from the generation arm of Eastland Group.

The \$(219k) resulting for asset allocation adjustments is related to the change in use of investment building. Previously ENL used a proportion of properties to store assets etc. ENL no longer require this and are being solely used as investment building and properties in the region.

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

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

- 8.1 Income not included in regulatory profit / (loss) before tax but taxable;
- 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
- 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
- 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

Box 5: Regulatory tax allowance: permanent differences

The amounts are immaterial.

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

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

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

The amounts are immaterial.

Cost allocation (Schedule 5d)

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

Box 7: Cost allocation

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

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

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

Gisborne substation (50kV) project

Planned 50kV, 11kV and 400v pole replacements in the Gisborne and Wairoa regions.

Planned 110kV structure replacements.

There is no materiality threshold applied to the schedule.

There are no items reclassified during the year.

Capital expenditure for the year was \$10.7m compared to \$10.3m during 2020.

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

System operations and network support (SONS) and business support (BS) make up the majority of operational spend, \$2.7m and \$3.1m respectively for the 2021 year. The single largest item contributing to business support is the shared services management fee \$1.9m. This includes services such as costs of governance, IT, accounting 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 (-\$80k)

This variance relate to unplanned customer driven expenditure category and is not considered material.

System Growth variances (-\$836k)

The underspend mainly related to the Mahia 33kv line extension project that didn't go ahead due to difficulties securing a lease for some land. This project was deferred to the 2021-22 period. This money was diverted to other projects throughout the forecasting process once ENL knew the money wouldn't be spent in that period. The money was mostly diverted to asset replacement and renewable projects.

Asset Replacement and Renewal variances (+\$532k)

The overspend is related to multiple projects the largest contributors being conductor replacement in the Gisborne and Wairoa regions, transformer replacements and a 50kV underground project at the Gisborne substation. These projects were allowed more spend through the forecasting process due to other projects such as the Mahia 33kV line (in system growth) not going ahead.

Reliability, Safety and Environment (-\$94k)

Quality of Supply, (\$223k)

The total overspend was related to the 11kV field recloser automation plan project.

Other, (-\$317k)

This variance is a direct result of galvanised meter box replacements having to be deferred because of a lack of suitable field service resources and retailer agreements for payments.

Non- network Assets (\$256k)

This variance mostly relates to the replacements of vehicles.

OPERATIONAL EXPENDITURE

Asset Replacement and Renewal (-\$1.1m)

The biggest contributor to the underspend is ACOD (\$1m). This is due to an updated model and the transfer of diesel generators into the network so the no longer receive ACOD.

Service Interruptions and Emergencies, Vegetation Management and Routine Corrective maintenance and inspection

Variance against budget for these expenditure categories is not considered Material (+/- 10%).

System operations and network support (+372k)

Main areas of overspend were direct payroll costs (\$56k), legal and consultant costs (\$40k), overhead labour on charge for capital assets (137k) and other additional overhead costs from other cost centres such as gensets and faults that were new additions throughout the year and hence not budgeted for.

Business Support (-611k)

The main variances where payroll costs (\$387k), Regulatory preparedness costs (\$122k), Electricity complaints (\$35K) and other minimal underspends in various GL items.

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

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

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

The data stated in this year’s Schedule 10 is consistent with how Eastland has been treating SAIFI in the past.

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 \$70 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 2021

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 2021

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
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Schedule 18 Certification for Year-end Disclosures

Clause 2.9.2

We, Jon Nichols and Candace Kinser 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.



.....
Jon Nichols

19 August 2021

.....
Date



.....
Candace Kinser

19 August 2021

.....
Date

**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 2021
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 (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 2021 (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.

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
<p>Valuation of related party goods and services at arms-length</p> <p>The basis of valuation of related party transactions are required to be disclosed on Schedule 5b of the disclosure information.</p> <p>The Directors have determined that the related party transactions identified have occurred at arms-length by comparing related party terms and conditions, including pricing, to external transactions and information.</p> <p>The Company also charges related parties for line charges.</p> <p>The Company receives fault, maintenance, and electrical contract services from related parties.</p> <p>The Company also receives administration services provided to the Company by its immediate holding company, Eastland Group Limited, and these services are on-charged in the form of a management fee using an annual allocation of costs.</p> <p>Due to the judgements and assumptions associated with the allocation of administration costs to the Company, along with the inherent judgment associated with the valuation of the goods or services on an arms-length basis, these matters have been identified as a key audit matter.</p>	<p>A detailed listing of all transactions impacting the company for the disclosure year ended 31 March 2021 was obtained and compared to the list of entities and transactions included on Schedule 5b. We also obtained management’s methodology of how they determined the transactions were related party transactions and their assessment of these transactions at arm’s length.</p> <p>Our procedures over the valuation of related party goods and services at arms-length included:</p> <p><i>Goods and services (excluding administration services)</i></p> <ul style="list-style-type: none"> agreeing on a sample basis, the transactions listed on Schedule 5b to external transactions and information and tracing the amounts to the terms, conditions and prices of comparative external transactions or information. <p><i>Administration services</i></p> <ul style="list-style-type: none"> obtaining the management fees calculation from Group management; assessing the rationale and basis of the management fees in line with our understanding of the Group; agreeing the the total costs allocated to budgets used to set the management fees and comparing to actual spend; tracing the inputs used to perform the calculation to supporting documentation as considered relevant; and recalculating the allocations and agreeing the amount charged to the Company reported on Schedule 5b.
<p>Completeness and accuracy of the non-financial reporting disclosures in relation to the faults data capture (SAIDI/SAIFI)</p> <p>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.</p> <p>The Company does not have automated systems for identifying and recording the duration of outages.</p> <p>The Company’s policies and procedures require all faults, whether planned or unplanned, to be</p>	<p>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.</p> <p>To assess the completeness of the faults and interruptions used in calculating SAIFI and SAIDI, we performed the following procedures:</p> <ul style="list-style-type: none"> 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;

Key Assurance Matter	How our procedures addressed the key assurance matter
<p>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.</p> <p>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.</p> <p>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.</p>	<ul style="list-style-type: none"> • 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 2021 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. <p>To assess the accuracy of the calculation of SAIFI and SAIDI, we performed the following procedures:</p> <ul style="list-style-type: none"> • 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. <p>We have also reviewed the disclosure in Schedule 14 in respect of the treatment of successive interruptions.</p>

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.

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

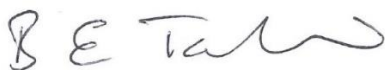
This report has been prepared for use by the directors of the Company and the Commerce Commission in accordance with clause 2.8.1(1)(a) of the Determination and is provided solely for the purpose of establishing whether the compliance requirements have been met. We disclaim any assumption of responsibility 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.

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
Deloitte Limited
On behalf of the Auditor-General
Auckland, New Zealand
19 August 2021