Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)
EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).
This information is not part of audited disclosure information.

sch ref			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
8		for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**	**31 Mar 28**	**31 Mar 29**	**31 Mar 30**	**31 Mar 31**	**31 Mar 32**
9	**11a(i): Expenditure on Assets Forecast**		**$000 (in nominal dollars)**										
10		Consumer connection	112	112	114	116	119	121	123	126	128	131	133
11		System growth	1,002	2,091	1,929	1,031	4,633	4,591	4,815	1,119	1,141	1,164	587
12		Asset replacement and renewal	7,785	9,967	8,962	6,623	8,850	7,657	7,073	8,572	8,427	8,606	8,157
13		Asset relocations	50	50	51	52	53	54	55	56	57	59	60
14		Reliability, safety and environment:											
15		Quality of supply	157	260	47	41	148	6	88	44	53	46	95
16		Legislative and regulatory	-	10	10	10	435	11	196	200	11	12	12
17		Other reliability, safety and environment	341	30	112	31	966	476	486	-	-	-	-
18		**Total reliability, safety and environment**	498	300	169	83	1,549	494	770	244	64	58	107
19		**Expenditure on network assets**	9,446	12,519	11,226	7,905	15,204	12,916	12,836	10,117	9,819	10,017	9,044
20		Expenditure on non-network assets	54	176	180	131	325	266	272	435	214	218	222
21		**Expenditure on assets**	9,500	12,695	11,405	8,036	15,529	13,182	13,108	10,552	10,032	10,235	9,267
22													
23	*plus*	Cost of financing	-	-	-	-	-	-	-	-	-	-	-
24	*less*	Value of capital contributions	50	50	50	50	50	50	50	50	50	50	50
25	*plus*	Value of vested assets	600	500	500	500	500	500	500	500	500	500	500
26													
27		**Capital expenditure forecast**	10,050	13,145	11,855	8,486	15,979	13,632	13,558	11,002	10,482	10,685	9,717
28													
29		Assets commissioned	9,976	12,216	12,242	9,497	13,731	14,336	13,580	11,769	10,638	10,624	10,007

			Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
31		for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**	**31 Mar 28**	**31 Mar 29**	**31 Mar 30**	**31 Mar 31**	**31 Mar 32**
32			**$000 (in constant prices)**										
33		Consumer connection	112	112	112	112	112	112	112	112	112	112	112
34		System growth	1,002	2,091	1,891	991	4,366	4,241	4,361	994	994	994	491
35		Asset replacement and renewal	7,785	9,967	8,787	6,365	8,340	7,073	6,406	7,611	7,336	7,345	6,826
36		Asset relocations	50	50	50	50	50	50	50	50	50	50	50
37		Reliability, safety and environment:											
38		Quality of supply	-	260	46	40	140	6	80	40	46	40	80
39		Legislative and regulatory	10	10	10	10	410	10	178	178	10	10	10
40		Other reliability, safety and environment	341	30	110	30	910	440	440	-	-	-	-
41		**Total reliability, safety and environment**	351	300	166	80	1,460	456	697	217	56	50	90
42		**Expenditure on network assets**	9,299	12,519	11,006	7,598	14,327	11,932	11,626	8,984	8,548	8,550	7,568
43		Expenditure on non-network assets	71	176	176	126	306	246					
44		**Expenditure on assets**	9,370	12,695	11,182	7,724	14,633	12,178	11,626	8,984	8,548	8,550	7,568
45													
46		**Subcomponents of expenditure on assets (where known)**											
47		Energy efficiency and demand side management, reduction of energy losses											
48		Overhead to underground conversion											
49		Research and development											

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)
EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).
This information is not part of audited disclosure information.

sch ref			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
		for year ended	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29	31 Mar 30	31 Mar 31	31 Mar 32
	Difference between nominal and constant price forecasts		**$000**										
	Consumer connection		0	-	2	5	7	9	12	14	17	19	22
	System growth		-	-	38	40	267	350	454	125	148	171	96
	Asset replacement and renewal		-	-	176	257	510	583	667	960	1,091	1,261	1,332
	Asset relocations		-	-	1	2	3	4	5	6	7	9	10
	Reliability, safety and environment:												
	Quality of supply		157	-	1	2	9	0	8	5	7	7	16
	Legislative and regulatory		(10)	-	0	0	25	1	18	22	1	2	2
	Other reliability, safety and environment		-	-	2	1	56	36	46	-	-	-	-
	Total reliability, safety and environment		147	-	3	3	89	38	73	27	8	8	17
	Expenditure on network assets		147	-	220	307	877	984	1,210	1,133	1,271	1,468	1,476
	Expenditure on non-network assets		(17)	-	4	5	19	20	272	435	214	218	222
	Expenditure on assets		130	-	224	312	896	1,004	1,482	1,568	1,485	1,686	1,699

			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
		for year ended	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27
	11a(ii): Consumer Connection							
	*Consumer types defined by EDB**		**$000 (in constant prices)**					
	Residential		56	56	56	56	56	56
	Commerical		-					
	Industrial		56	56	56	56	56	56
	*include additional rows if needed							
	Consumer connection expenditure		112	112	112	112	112	112
less	Capital contributions funding consumer connection		50	-	-	-	-	-
	Consumer connection less capital contributions		62	112	112	112	112	112
	11a(iii): System Growth							
	Subtransmission		550	1,250	1,250	500	3,500	3,750
	Zone substations		-	-	-	-	375	-
	Distribution and LV lines		155	155	155	155	155	155
	Distribution and LV cables		160	199	199	199	199	199
	Distribution substations and transformers		137	137	137	137	137	137
	Distribution switchgear		-	-	-	-	-	-
	Other network assets		-	350	150	-	-	-
	System growth expenditure		1,002	2,091	1,891	991	4,366	4,241
less	Capital contributions funding system growth							
	System growth less capital contributions		1,002	2,091	1,891	991	4,366	4,241

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)
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sch ref

11a(iv): Asset Replacement and Renewal

			Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
		for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
		$000 (in constant prices)						
	Subtransmission		1,736	1,218	898	1,328	1,302	1,032
	Zone substations		735	675	295	305	246	150
	Distribution and LV lines		3,744	6,580	6,100	3,332	5,243	4,343
	Distribution and LV cables		482	222	222	222	222	222
	Distribution substations and transformers		400	420	420	445	648	648
	Distribution switchgear		532	491	491	366	554	554
	Other network assets		156	361	361	368	126	126
	Asset replacement and renewal expenditure		7,785	9,967	8,787	6,365	8,340	7,073
less	Capital contributions funding asset replacement and renewal							
	Asset replacement and renewal less capital contributions		7,785	9,967	8,787	6,365	8,340	7,073

11a(v): Asset Relocations

			Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
		for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
	*Project or programme**	**$000 (in constant prices)**						
	Asset relocations for Territorial authorities		50	50	50	50	50	50
	**include additional rows if needed*							
	All other project or programmes - asset relocations							
	Asset relocations expenditure		50	50	50	50	50	50
less	Capital contributions funding asset relocations							
	Asset relocations less capital contributions		50	50	50	50	50	50

11a(vi): Quality of Supply

			Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
		for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
	*Project or programme**	**$000 (in constant prices)**						
	SCADA Rural Automation -development		-	34	-	34	34	-
	Comms Fibre Cable Gisborne Sub to Kaiti		-	-	-	-	60	-
	Comms Replace Voice DMR servers		-	20	-	-	-	-
	SCADA Master Station Development		-	6	6	6	6	6
	Generator purchase (350kVA Container)		-	200	-	-	-	-
	11kV Field Recloser Automation Plan - additions		-	-	40	-	40	-
	**include additional rows if needed*							
	All other projects or programmes - quality of supply							
	Quality of supply expenditure		-	260	46	40	140	6
less	Capital contributions funding quality of supply							
	Quality of supply less capital contributions		-	260	46	40	140	6

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)
EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).
This information is not part of audited disclosure information.

sch ref

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
	11a(vii): Legislative and Regulatory						
	*Project or programme**	**$000 (in constant prices)**					
	AUFLS Relay install	-	-	-	-	-	-
	SCADA Switching & Outage Management System	-	-	-	-	400	-
	Replace Vehicle RTs	10	10	10	10	10	10
	*include additional rows if needed						
	All other projects or programmes - legislative and regulatory						
	Legislative and regulatory expenditure	10	10	10	10	410	10
less	Capital contributions funding legislative and regulatory						
	Legislative and regulatory less capital contributions	10	10	10	10	410	10
		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
	11a(viii): Other Reliability, Safety and Environment						
	*Project or programme**	**$000 (in constant prices)**					
	Replace Galv Meter Box (Asbestos)	341	30	30	30	30	-
	Replace11kV SWGR Tokomaru Bay	-	-	80	-	-	-
	Replace 11kV SWGR Matawhero,Kaiti, Kiwi & Parkinson	-	-	-	-	880	440
	*include additional rows if needed						
	All other projects or programmes - other reliability, safety and environment						
	Other reliability, safety and environment expenditure	341	30	110	30	910	440
less	Capital contributions funding other reliability, safety and environment						
	Other reliability, safety and environment less capital contributions	341	30	110	30	910	440
		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
	11a(ix): Non-Network Assets						
	Routine expenditure						
	*Project or programme**	**$000 (in constant prices)**					
	additional/upgrade)	16	26	26	26	26	26
	Bucket Truck recert and replacements	17	-	-	-	60	-
	Vehicle Replacement @ $60k each (Ntk)	-	60	60	60	180	180
	General asset replacement (Ntk)	20	20	20	20	20	20
	General building capex (ENL office, Eastech, Wairoa Depot)	18	20	20	20	20	20
	*include additional rows if needed						
	All other projects or programmes - routine expenditure						
	Routine expenditure	71	126	126	126	306	246
	Atypical expenditure						
	*Project or programme**						
	Property Capital Projects (ENL Carnarvon St office refurb)	-	-	-	-	-	-
	Property Capital Projects (Carnarvon St security fence upgrade)	-	-	-	-	-	-
	Property Capital Projects (Eastech office refurb)	-	-	-	-	-	-
	Property Capital Projects Wairoa office rebuild	-	50	-	-	-	-

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)
EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).
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sch ref							
	strengthening)	-	-	-	-	-	-
183	Outage notificaions	-	-	50	-	-	-
184	**include additional rows if needed*						
185	All other projects or programmes - atypical expenditure						
186	**Atypical expenditure**	-	50	50	-	-	-
187							
188	**Expenditure on non-network assets**	71	176	176	126	306	246

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE

This schedule requires a breakdown of forecast operational expenditure for the disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms.
EDBs must provide explanatory comment on the difference between constant price and nominal dollar operational expenditure forecasts in Schedule 14a (Mandatory Explanatory Notes).
This information is not part of audited disclosure information.

sch ref												
7		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
8	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**	**31 Mar 28**	**31 Mar 29**	**31 Mar 30**	**31 Mar 31**	**31 Mar 32**
9	**Operational Expenditure Forecast**	**$000 (in nominal dollars)**										
10	Service interruptions and emergencies	1,606	1,700	1,734	1,769	1,804	1,841	1,877	1,915	1,953	1,992	2,032
11	Vegetation management	1,095	1,095	1,117	1,139	1,162	1,185	1,209	1,233	1,258	1,283	1,309
12	Routine and corrective maintenance and inspection	1,592	1,799	1,718	1,731	1,607	1,801	1,672	1,914	1,739	1,950	1,785
13	Asset replacement and renewal	380	728	749	762	710	733	756	779	803	825	841
14	**Network Opex**	4,673	5,322	5,318	5,401	5,284	5,560	5,514	5,841	5,753	6,050	5,968
15	System operations and network support	2,783	2,783	2,839	2,895	2,953	3,012	3,072	3,134	3,197	3,261	3,326
16	Business support	3,812	3,812	3,888	3,966	4,045	4,126	4,209	4,293	4,379	4,466	4,556
17	**Non-network opex**	6,595	6,595	6,727	6,861	6,999	7,139	7,281	7,427	7,576	7,727	7,882
18	**Operational expenditure**	11,268	11,917	12,045	12,263	12,282	12,698	12,796	13,268	13,328	13,777	13,849

19		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
20	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**	**31 Mar 28**	**31 Mar 29**	**31 Mar 30**	**31 Mar 31**	**31 Mar 32**
21		**$000 (in constant prices)**										
22	Service interruptions and emergencies	1,606	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700
23	Vegetation management	1,095	1,095	1,095	1,095	1,095	1,095	1,095	1,095	1,095	1,095	1,095
24	Routine and corrective maintenance and inspection	1,592	1,799	1,685	1,664	1,514	1,664	1,514	1,700	1,514	1,664	1,494
25	Asset replacement and renewal	380	728	734	732	669	677	685	692	699	704	704
26	**Network Opex**	4,673	5,322	5,214	5,192	4,979	5,136	4,994	5,187	5,008	5,163	4,993
27	System operations and network support	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783
28	Business support	3,812	3,812	3,812	3,812	3,812	3,812	3,812	3,812	3,812	3,812	3,812
29	**Non-network opex**	6,595	6,595	6,595	6,595	6,595	6,595	6,595	6,595	6,595	6,595	6,595
30	**Operational expenditure**	11,268	11,917	11,809	11,786	11,574	11,731	11,589	11,782	11,603	11,758	11,588
31	**Subcomponents of operational expenditure (where known)**											
32	Energy efficiency and demand side management, reduction of											
33	energy losses											
34	Direct billing*											
35	Research and Development											
36	Insurance											
37	** Direct billing expenditure by suppliers that direct bill the majority of their consumers*											
38												

39		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
40	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**	**31 Mar 28**	**31 Mar 29**	**31 Mar 30**	**31 Mar 31**	**31 Mar 32**
41	**Difference between nominal and real forecasts**	**$000**										
42	Service interruptions and emergencies	-	-	34	69	104	140	177	215	253	292	332
43	Vegetation management	-	-	22	44	67	90	114	138	163	188	214
44	Routine and corrective maintenance and inspection	-	-	34	67	93	137	158	214	225	286	291
45	Asset replacement and renewal	-	-	15	30	41	56	71	87	104	121	137
46	**Network Opex**	-	-	104	210	305	423	520	654	745	886	974
47	System operations and network support	-	-	56	112	170	229	290	351	414	478	543

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE

This schedule requires a breakdown of forecast operational expenditure for the disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms.
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sch ref												
48	Business support	-	-	76	154	233	314	397	481	567	654	744
49	**Non-network opex**	-	-	132	266	404	544	686	832	981	1,132	1,287
50	**Operational expenditure**	-	-	236	476	708	967	1,206	1,486	1,725	2,018	2,261

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

					Asset condition at start of planning period (percentage of units by grade)							
	Voltage	**Asset category**	**Asset class**	**Units**	**H1**	**H2**	**H3**	**H4**	**H5**	**Grade unknown**	**Data accuracy (1–4)**	**% of asset forecast to be replaced in next 5 years**
10	All	Overhead Line	Concrete poles / steel structure	No.	0.20%	0.30%	1.60%	3.70%	94.20%	-	2	-
11	All	Overhead Line	Wood poles	No.	6.10%	3.10%	23.90%	11.00%	55.90%	-	2	16.00%
12	All	Overhead Line	Other pole types	No.	-	-	-	-	-	-	N/A	-
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	48.70%	26.10%	25.20%	-	1	-
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	36.70%	11.90%	51.40%	-	3	-
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	-	100.00%	-	3	-
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	-	-	-	N/A	-
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	-	-	-	N/A	-
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	-	-	-	N/A	-
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	-	-	N/A	-
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	-	N/A	-
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	-	-	N/A	-
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	-	-	N/A	-
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	-	-	-	N/A	-
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	10.00%	53.00%	32.00%	5.00%	-	2	5.00%
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	82.00%	18.00%	-	-	2	-
26	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	-	-	-	N/A	-
27	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	-	100.00%	-	3	-
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	-	N/A	-
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	100.00%	-	-	3	-
30	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	-	-	N/A	-
31	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	-	-	N/A	-
32	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	5.00%	13.00%	64.00%	18.00%	-	3	-
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	11.00%	21.00%	8.00%	60.00%	-	2	15.00%
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	29.00%	14.00%	57.00%	-	2	15.00%

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

					Asset condition at start of planning period (percentage of units by grade)							
	Voltage	Asset category	Asset class	Units	H1	H2	H3	H4	H5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
39	HV	Zone Substation Transformer	Zone Substation Transformers	No.	8.10%	13.50%	-	13.50%	64.90%	-	4	18.00%
40	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0.40%	-	51.20%	21.90%	26.50%	-	1	2.80%
41	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	N/A	-
42	HV	Distribution Line	SWER conductor	km	-	-	100.00%	-	-	-	1	-
43	HV	Distribution Cable	Distribution UG XLPE or PVC	km	1.00%	3.00%	9.00%	26.00%	61.00%	-	2	6.00%
44	HV	Distribution Cable	Distribution UG PILC	km	-	-	2.00%	52.00%	46.00%	-	2	2.00%
45	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	-	N/A	
46	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	2.00%	7.00%	21.00%	33.00%	37.00%	-	2	10.00%
47	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	33.00%	67.00%	-	-	2	-
48	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	33.20%	12.30%	12.90%	23.40%	18.20%	-	2	5.00%
49	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	5.00%	1.00%	3.00%	5.00%	86.00%	-	2	-
50	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1.00%	1.00%	1.00%	1.00%	96.00%	-	2	6.00%
51	HV	Distribution Transformer	Pole Mounted Transformer	No.	-	31.00%	27.00%	23.00%	19.00%	-	2	5.00%
52	HV	Distribution Transformer	Ground Mounted Transformer	No.	-	-	1.00%	3.00%	96.00%	-	3	7.00%
53	HV	Distribution Transformer	Voltage regulators	No.	-	18.00%	27.00%	19.00%	36.00%	-	3	-
54	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	-	-	-	N/A	
55	LV	LV Line	LV OH Conductor	km	-	-	64.50%	9.90%	25.60%	-	1	1.00%
56	LV	LV Cable	LV UG Cable	km	1.00%	17.00%	8.00%	37.00%	37.00%	-	2	-
57	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km	-	5.00%	12.00%	44.00%	39.00%	-	2	-
58	LV	Connections	OH/UG consumer service connections	No.	11.00%	35.00%	30.00%	15.00%	9.00%	-	1	-
59	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	6.00%	12.00%	45.00%	16.00%	21.00%	-	3	13.00%
60	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	10.00%	7.00%	27.00%	18.00%	38.00%	-	2	10.60%
61	All	Capacitor Banks	Capacitors including controls	No.	-	100.00%	-	-	-	-	3	-
62	All	Load Control	Centralised plant	Lot	-	100.00%	-	-	-	-	3	50.00%
63	All	Load Control	Relays	No.	9.00%	19.00%	29.00%	39.00%	4.00%	-	1	1.00%
64	All	Civils	Cable Tunnels	km	-	-	-	-	-		N/A	-

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 12b: REPORT ON FORECAST CAPACITY

This schedule requires a breakdown of current and forecast capacity and utilisation for each zone substation and current distribution transformer capacity. The data provided should be consistent with the information provided in the AMP. Information provided in this table should relate to the operation of the network in its normal steady state configuration.

sch ref

12b(i): System Growth - Zone Substations

Existing Zone Substations	Current Peak Load (MVA)	Installed Firm Capacity (MVA)	Security of Supply Classification (type)	Transfer Capacity (MVA)	Utilisation of Installed Firm Capacity %	Installed Firm Capacity +5 years (MVA)	Utilisation of Installed Firm Capacity + 5yrs %	Installed Firm Capacity Constraint +5 years (cause)	Explanation
TeAraroa	0.95	-	N-1 Switched	1	-	-	-	Transformer	Constraint supported by Generation AMP section 3.4 (2021)
Ruatoria	1.38	-	N-1 Switched	2	-	-	-	Transformer	Constraint supported by Generation AMP section 3.4 (2021)
Tokomaru	0.98	-	N-1 Switched	1	-	-	-	Transformer	Constraint suported by adjacent substations AMP table 41 (2021)
Tolaga	1.23	-	N-1 Switched	2	-	-	-	Transformer	Constraint supported by Generation AMP section 3.4 (2021)
Kaiti	7.39	-	N-1 Switched	8	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2 (2021)
Port	7.24	-	N-1 Switched	8	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2 (2021)
Gisborne	55.7	56	N-1	-	100%	58	94%	Subtransmission circuit	Load constraint being supported by work programmed as part of section 10.6.1
Carnarvon	14.3	13	N-1	11	114%	13	117%	Transformer	Current Peak caused when load transferred to site during contengency. 95th percentile value = 12.44 MW (2021)
Parkinson	9.73	13	N-1	11	78%	13	80%	No constraint within +5 years	Constraint Suported by adjacent Substations AMP Appendix 2 (2021)
Makaraka	7.28	-	N-1 Switched	7	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2 (2021)
Patutahi	3.64	-	N-1 Switched	5	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2, Transformer upgraded to 12.5MVA TX in 2020/21 & 21/22
Pehiri	0.6	-	N-1 Switched	1	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2 (2021)
Ngatapa	0.53	-	N-1 Switched	2	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2 (2021)
Puha	2.15	-	N-1 Switched	2	-	-	-	Transformer	Constraint supported by Generation AMP section 3.4, Project proposed table 42 will alleviate constraint. (2021)
JNL	2.28	-	N-1 Switched	5	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP (2021)Appendix 2
Matawhero	5.27	13	N-1	5	42%	13	47%	No constraint within +5 years	Current Peak caused when load transferred to site during contengency. 95th percentile load 3.75 MW
Tuai	0.61	-	N	-	-	-	-	Transformer	Portable Generation Used for extended repair times
Wairoa	10.69	10	N-1	-	107%	10	108%	No constraint within +5 years	Constraint Suported by Generation AMP (2021) section 3.4
Blacks pad	1.71	-	N-1 Switched	2	-	-	-	Transformer	Constraint supported by Generation AMP (2021) section 3.4
Tahaenui	0.53	-	N-1 Switched	2		-	-	Transformer	Constraint Suported by adjacent Substations AMP (2021) Appendix 2
Kiwi (Waihi)	4.53	-	N	-	-	-	-	Transformer	Generation Infeed for Waihi 5MW Hydro

[1] *Extend forecast capacity table as necessary to disclose all capacity by each zone substation*

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**

SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

This schedule requires a forecast of new connections (by consumer type), peak demand and energy volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumptions used in developing the expenditure forecasts in Schedule 11a and Schedule 11b and the capacity and utilisation forecasts in Schedule 12b.

sch ref

12c(i): Consumer Connections

Number of ICPs connected in year by consumer type

		Number of connections					
		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
	*Consumer types defined by EDB**						
	Domestic	19,743	19,827	19,912	19,997	20,082	20,167
	Non Domestic	6,135	6,147	6,159	6,172	6,184	6,196
	Non Domestic Large	61	61	61	61	61	61
	Non Domestic Industrial	5	5	5	5	5	5
	Connections total	25,944	26,040	26,137	26,235	26,332	26,429

**include additional rows if needed*

Distributed generation

	Number of connections	389	479	569	661	753	865
	Capacity of distributed generation installed in year (MVA)	15	15	15	20	20	20

12c(ii) System Demand

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	Maximum coincident system demand (MW) for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
	GXP demand	55	56	56	56	57	57
plus	Distributed generation output at HV and above	7	7	7	7	7	7
	Maximum coincident system demand	62	63	63	63	64	64
less	Net transfers to (from) other EDBs at HV and above						
	Demand on system for supply to consumers' connection points	62	63	63	63	64	64
	Electricity volumes carried (GWh)						
	Electricity supplied from GXPs	298	297	298	299	299	299
less	Electricity exports to GXPs	-					
plus	Electricity supplied from distributed generation	13	13	13	14	14	15
less	Net electricity supplied to (from) other EDBs	-					
	Electricity entering system for supply to ICPs	311	310	311	312	313	314
less	Total energy delivered to ICPs						
	Losses	311	310	311	312	313	314
	Load factor	57%	57%	56%	56%	56%	56%
	Loss ratio	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**
Network / Sub-network Name	**Total**

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

This schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumed impact of planned and unplanned SAIFI and SAIDI on the expenditures forecast provided in Schedule 11a and Schedule 11b.

sch ref		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
9	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
10	**SAIDI**						
11	Class B (planned interruptions on the network)	258.1	258.1	258.1	258.1	258.1	258.1
12	Class C (unplanned interruptions on the network)	219.5	219.5	219.5	219.5	219.5	219.5
13	**SAIFI**						
14	Class B (planned interruptions on the network)	1.50	1.50	1.50	1.50	1.50	1.50
15	Class C (unplanned interruptions on the network)	3.15	3.15	3.15	3.15	3.15	3.15

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**
Network / Sub-network Name	**Gisborne**

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

This schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumed impact of planned and unplanned SAIFI and SAIDI on the expenditures forecast provided in Schedule 11a and Schedule 11b.

sch ref		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
9	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
10	**SAIDI**						
11	Class B (planned interruptions on the network)	129.1	129.1	129.1	129.1	129.1	129.1
12	Class C (unplanned interruptions on the network)	109.7	109.7	109.7	109.7	109.7	109.7
13	**SAIFI**						
14	Class B (planned interruptions on the network)	0.75	0.75	0.75	0.75	0.75	0.75
15	Class C (unplanned interruptions on the network)	1.58	1.58	1.58	1.58	1.58	1.58

Company Name	**Eastland Network**
AMP Planning Period	**1 April 2022 – 31 March 2032**
Network / Sub-network Name	**Wairoa**

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

This schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumed impact of planned and unplanned SAIFI and SAIDI on the expenditures forecast provided in Schedule 11a and Schedule 11b.

sch ref								
8		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
9	for year ended	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**
10	**SAIDI**						
11	Class B (planned interruptions on the network)	129.1	129.1	129.1	129.1	129.1	129.1
12	Class C (unplanned interruptions on the network)	109.7	109.7	109.7	109.7	109.7	109.7
13	**SAIFI**						
14	Class B (planned interruptions on the network)	0.75	0.75	0.75	0.75	0.75	0.75
15	Class C (unplanned interruptions on the network)	1.58	1.58	1.58	1.58	1.58	1.58

Schedule 14a Mandatory Explanatory Notes on Forecast Information

This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8. Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a) 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
The difference between nominal and constant price capital expenditure forecasts is due to the following CPI forecasts. 2022/23 0.0% 2023/24 2.0% 2024/25 2.0% 2025/26 – 2032/33 2.0% * Refer AMP 2022 Section 9.5

Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b) 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
The difference between nominal and constant price operational expenditure forecasts is due to the following CPI forecasts. 2022/23 0.0% 2023/24 2.0% 2024/25 2.0% 2025/26 – 2032/33 2.0% * Refer AMP 2022 Section 9.5