Company Name	**Eastland Network**
AMP Planning Period	**2021-2031**

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		Inflation Adjustment	1.00000	1.00000	1.02000	1.04040	1.06121	1.08243	1.10408	1.12616	1.14869	1.17166	1.19509
7					2%	2%	2%	2%	2%	2%	2%	2%	2%
8			*Current Year CY*	*CY + 1*	*CY +2*	*CY + 3*	*CY + 4*	*CY + 5*	*CY + 6*	*CY + 7*	*CY + 8*	*CY + 9*	*CY + 10*
			31 March 21	*31 March 22*	*31 March 23*	*31 March 24*	*31 March 25*	*31 March 26*	*31 March 27*	*31 March 28*	*31 March 29*	*31 March 30*	*31 March 31*
9	**11a(i): Expenditure on Assets Forecast**		**$000 (in nominal dollars)**										
10	Consumer connection		112	156	114	116	119	121	123	126	128	131	133
11	System growth		1,002	1,741	2,133	1,968	1,158	4,726	4,683	4,911	1,141	1,164	1,188
12	Asset replacement and renewal		7,785	7,324	7,228	6,682	7,816	7,695	7,455	7,225	8,754	8,607	8,861
13	Asset relocations		50	50	51	52	53	54	55	56	57	59	60
14	Reliability, safety and environment:												
15	Quality of supply		157	105	179	53	111	92	12	95	51	60	13
16	Legislative and regulatory		-	10	10	10	11	444	11	200	204	12	12
17	Other reliability, safety and environment		341	120	122	208	616	541	486	496	-	-	-
18	**Total reliability, safety and environment**		498	235	312	272	737	1,077	509	791	255	72	25
19	**Expenditure on network assets**		9,446	9,506	9,837	9,090	9,883	13,673	12,826	13,109	10,336	10,032	10,267
20	Expenditure on non-network assets		54	624	363	194	197	266	205	209	443	218	222
21	**Expenditure on assets**		9,500	10,130	10,201	9,283	10,081	13,939	13,031	13,319	10,780	10,250	10,490
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	10,580	10,651	9,733	10,531	14,389	13,481	13,769	11,230	10,700	10,940
29	Assets commissioned		9,976	10,421	10,629	10,009	10,291	13,231	13,753	13,682	11,991	10,859	10,868
30			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
31													
32			**$000 (in constant prices)**										
33	Consumer connection		112	156	112	112	112	112	112	112	112	112	112
34	System growth		1,002	1,741	2,091	1,891	1,091	4,366	4,241	4,361	994	994	994
35	Asset replacement and renewal		7,785	7,324	7,086	6,423	7,366	7,109	6,753	6,416	7,621	7,346	7,415
36	Asset relocations		50	50	50	50	50	50	50	50	50	50	50
37	Reliability, safety and environment:												
38	Quality of supply		157	105	176	51	105	85	11	85	45	51	11
39	Legislative and regulatory		10	10	10	10	10	410	10	178	178	10	10
40	Other reliability, safety and environment		341	120	120	200	580	500	440	440	-	-	-
41	**Total reliability, safety and environment**		508	235	306	261	695	995	461	702	222	61	21
42	**Expenditure on network assets**		9,456	9,506	9,645	8,737	9,313	12,631	11,617	11,641	8,998	8,562	8,591
43	Expenditure on non-network assets		71	624	356	186	186	246	186	186	386	186	186
44	**Expenditure on assets**		9,527	10,130	10,001	8,923	9,499	12,877	11,803	11,827	9,384	8,748	8,777
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	2021-2031

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		Inflation Adjustment	1.00000	1.00000	1.02000	1.04040	1.06121	1.08243	1.10408	1.12616	1.14869	1.17166	1.19509
51			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*					
52													
53	**Difference between nominal and constant price forecasts**		**$000**										
54	Consumer connection		-	-	2	5	7	9	12	14	17	19	22
55	System growth		-	-	42	76	67	360	441	550	148	171	194
56	Asset replacement and renewal		-	-	142	259	451	586	703	809	1,133	1,261	1,447
57	Asset relocations		-	-	1	2	3	4	5	6	7	9	10
58	Reliability, safety and environment:												
59	Quality of supply		(0)	-	4	2	6	7	1	11	7	9	2
60	Legislative and regulatory		(10)	-	0	0	1	34	1	22	26	2	2
61	Other reliability, safety and environment		-	-	2	8	36	41	46	56	-	-	-
62	**Total reliability, safety and environment**		(10)	-	6	11	43	82	48	89	33	11	4
63	**Expenditure on network assets**		(10)	-	193	353	570	1,041	1,209	1,469	1,338	1,470	1,676
64	Expenditure on non-network assets		(17)	-	7	8	11	20	19	23	57	32	36
65	**Expenditure on assets**		(27)	-	200	360	581	1,062	1,228	1,492	1,395	1,502	1,712
66													
67	Customer Connection		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*					
68	**11a(ii): Consumer Connection**												
69	*Consumer types defined by EDB**		**$000 (in constant prices)**										
70	Residential		56	56	56	56	56	56	56	56	56	56	56
71	Commerical			-	-	-	-	-	-	-	-	-	-
72	Industrial		56	100	56	56	56	56	56	56	56	56	56
75	**include additional rows if needed*												
76	**Consumer connection expenditure**		112	156	112	112	112	112	112	112	112	112	112
77	*less* Capital contributions funding consumer connection		50										
78	**Consumer connection less capital contributions**		62	156	112	112	112	112	112	112	112	112	112
	System Growth												
79	**11a(iii): System Growth**												
80	Subtransmission		550	1,250	1,250	1,250	500	3,500	3,750	3,870	-	-	-
81	Zone substations		-	-	-	-	-	375	-	-	503	503	503
82	Distribution and LV lines		155	155	155	155	155	155	155	155	155	155	155
83	Distribution and LV cables		160	199	199	199	299	199	199	199	199	199	199
84	Distribution substations and transformers		137	137	137	137	137	137	137	137	137	137	137
85	Distribution switchgear		-	-	-	-	-	-	-	-	-	-	-
86	Other network assets		-	-	350	150	-	-	-	-	-	-	-
87	**System growth expenditure**		1,002	1,741	2,091	1,891	1,091	4,366	4,241	4,361	994	994	994
88	*less* Capital contributions funding system growth												
89	**System growth less capital contributions**		1,002	1,741	2,091	1,891	1,091	4,366	4,241	4,361	994	994	994
90													

Company Name	Eastland Network
AMP Planning Period	2021-2031

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		Inflation Adjustment	1.00000	1.00000	1.02000	1.04040	1.06121	1.08243	1.10408	1.12616	1.14869	1.17166	1.19509
91			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
92		Asset Replacement and Renewal											
93	**11a(iv): Asset Replacement and Renewal**		**$000 (in constant prices)**										
94		Subtransmission	1,736	1,258	998	988	1,498	1,248	1,068	968	1,906	1,681	1,656
95		Zone substations	735	750	630	150	200	226	150	40	90	40	101
96		Distribution and LV lines	3,744	3,940	4,140	4,000	4,216	4,216	4,116	4,116	4,116	4,116	4,116
97		Distribution and LV cables	482	342	222	222	222	222	222	222	472	472	472
98		Distribution substations and transformers	400	420	420	420	580	580	580	420	420	420	420
99		Distribution switchgear	532	491	491	491	491	491	491	491	491	491	491
100		Other network assets	156	124	185	152	159	126	126	159	126	126	159
101		**Asset replacement and renewal expenditure**	7,785	7,324	7,086	6,423	7,366	7,109	6,753	6,416	7,621	7,346	7,415
102	*less*	Capital contributions funding asset replacement and renewal											
103		**Asset replacement and renewal less capital contributions**	7,785	7,324	7,086	6,423	7,366	7,109	6,753	6,416	7,621	7,346	7,415
104													
105			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
106													
107	**11a(v): Asset Relocations**												
108		*Project or programme**	**$000 (in constant prices)**										
109		Asset relocations for Territorial authorities	50	50	50	50	50	50	50	50	50	50	50
114		**include additional rows if needed*											
115		All other project or programmes - asset relocations											
116		**Asset relocations expenditure**	50	50	50	50	50	50	50	50	50	50	50
117	*less*	Capital contributions funding asset relocations											
118		**Asset relocations less capital contributions**	50	50	50	50	50	50	50	50	50	50	50
119													
120			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
121													
122	**11a(vi):**												
123		*Project or programme**	**$000 (in constant prices)**										
		50 kV cables CA report/ test equipment	40	-	-	-	-	-	-	-	-	-	-
124		SCADA Master Station Development	11	11	11	11	11	11	11	11	11	11	11
		SCADA Rural Automation -development		34	34	-	34	34	-	34	34	-	-
		SCADA Long Term Development Additional Sites		-	-	-	-	-	-	-	-	-	-
		Alternate Massey Rd Control Room (defer from 2018/19)		-	-	-	-	-	-	-	-	-	-
		Trailer mounted 30KVA Generator	50	-	-	-	-	-	-	-	-	-	-
		65kVA Generator Wairoa		-	-	-	-	-	-	-	-	-	-
125		Building/Switchyard Security Upgrade (2016/17 defer Kaiti)		-	11	-	-	-	-	-	-	-	-
		Comms Replace Voice DMR servers		20	-	-	-	-	-	-	-	-	-
		Comms Fibre Cable Gisborne Sub to Kaiti		-	-	-	60	-	-	-	-	-	-
		Comms Relocation of Radio Site		-	120	-	-	-	-	-	-	-	-
126		11kV Field Recloser Automation Plan - additions	56	40	-	40	-	40	-	40	-	40	-
128		50 kV cables CA report/ test equipment		-	-	-	-	-	-	-	-	-	-
129		**include additional rows if needed*											
130		All other projects or programmes - quality of supply											
131		**Quality of supply expenditure**	157	105	176	51	105	85	11	85	45	51	11
132	*less*	Capital contributions funding quality of supply											
133		**Quality of supply less capital contributions**	157	105	176	51	105	85	11	85	45	51	11
134													

Company Name	Eastland Network
AMP Planning Period	2021-2031

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		Inflation Adjustment	1.00000	1.00000	1.02000	1.04040	1.06121	1.08243	1.10408	1.12616	1.14869	1.17166	1.19509
135			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
136													
137	**11a(vii): Legislative and Regulatory**												
138	*Project or programme**		**$000 (in constant prices)**										
139	AUFLS Relay install		-	-	-	-	-	-	-	168	168	-	-
	SCADA Switching & Outage Management System		-	-	-	-	-	400	-	-	-	-	-
140	Replace Vehicle RTs		10	10	10	10	10	10	10	10	10	10	10
144	*include additional rows if needed												
145	All other projects or programmes - legislative and regulatory												
146	**Legislative and regulatory expenditure**		10	10	10	10	10	410	10	178	178	10	10
147	*less* Capital contributions funding legislative and regulatory												
148	**Legislative and regulatory less capital contributions**		10	10	10	10	10	410	10	178	178	10	10
149													
150			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
151	**11a(viii): Other Reliability, Safety and Environment**												
152	*Project or programme**		**$000 (in constant prices)**										
153	Replace Galv Meter Box (Asbestos)		341	120	120	120	60	60	-	-	-	-	-
	Replace 50kV CB 28 - Makaraka		-	-	-	-	80	-	-	-	-	-	-
	Replace11kV SWGR Tokomaru Bay		-	-	-	80	-	-	-	-	-	-	-
154	Replace 11kV SWGR Matawhero,Kaiti, Kiwi & Parkinson		-	-	-	-	440	440	440	440	-	-	-
158	*include additional rows if needed												
159	All other projects or programmes - other reliability, safety and environment												
160	**Other reliability, safety and environment expenditure**		341	120	120	200	580	500	440	440	-	-	-
161	*less* Capital contributions funding other reliability, safety and environment												
162	**Other reliability, safety and environment less capital contributions**		341	120	120	200	580	500	440	440	-	-	-
163													
164			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
165													
166	**11a(ix): Non-Network Assets**												
167	**Routine expenditure**												
168	*Project or programme**		**$000 (in constant prices)**										
169	Test Instrument & Safety Equipment,(inc Lone worker 19/20 additional/upgrade)		16	26	26	26	26	26	26	26	26	26	26
	Bucket Truck recert and replacements		17	-	-	-	-	60	-	-	200	-	-
170	Vehicle Replacement @ $60k each (Ntk)		-	160	120	120	120	120	120	120	120	120	120
171	General asset replacement (Ntk)		20	20	20	20	20	20	20	20	20	20	20
172	General building capex (ENL office, Eastech, Wairoa Depot)		18	68	20	20	20	20	20	20	20	20	20
174	*include additional rows if needed												
175	All other projects or programmes - routine expenditure												
176	**Routine expenditure**		71	274	186	186	186	246	186	186	386	186	186
177	**Atypical expenditure**												
178	*Project or programme**												
179	Property Capital Projects (ENL Carnarvon St office refurb)		-	-	20	-	-	-	-	-	-	-	-
	Property Capital Projects (Carnarvon St security fence upgrade)		-	-	20	-	-	-	-	-	-	-	-
	Property Capital Projects (Eastech office refurb)		-	-	30	-	-	-	-	-	-	-	-
	Property Capital Projects Wairoa office rebuild		-	300	50	-	-	-	-	-	-	-	-
180	Property Capital Projects (ENL Carnarvon St earthquake strengthening)		-	50	-	-	-	-	-	-	-	-	-
181	Outage notificaions		-	-	50	-	-	-	-	-	-	-	-
184	*include additional rows if needed												
185	All other projects or programmes - atypical expenditure												
186	**Atypical expenditure**		-	350	170	-	-	-	-	-	-	-	-
187													
188	**Expenditure on non-network assets**		71	624	356	186	186	246	186	186	386	186	186

Company Name	Eastland Network
AMP Planning Period	2021-2031

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		**31 March 21**	**31 March 22**	**31 March 23**	**31 March 24**	**31 March 25**	**31 March 26**	**31 March 27**	**31 March 28**	**31 March 29**	**31 March 30**	**31 March 31**
9	**Operational Expenditure Forecast**	**$000 (in nominal dollars)**										
10	Service interruptions and emergencies	787	1,606	1,638	1,670	1,704	1,738	1,773	1,808	1,844	1,881	1,919
11	Vegetation management	1,065	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	1,468	1,592	1,777	1,693	1,705	1,577	1,774	1,641	1,887	1,707	1,921
13	Asset replacement and renewal	1,810	738	730	710	724	737	792	810	826	867	889
14	**Network Opex**	5,130	5,031	5,262	5,213	5,295	5,238	5,548	5,492	5,815	5,738	6,037
15	System operations and network support	2,392	2,783	2,839	2,895	2,953	3,012	3,072	3,134	3,197	3,261	3,326
16	Business support	3,778	3,812	3,888	3,966	4,045	4,126	4,209	4,293	4,379	4,466	4,556
17	**Non-network opex**	6,170	6,595	6,727	6,861	6,999	7,139	7,281	7,427	7,576	7,727	7,882
18	**Operational expenditure**	11,301	11,626	11,989	12,074	12,294	12,376	12,829	12,919	13,390	13,465	13,919
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												
21		**$000 (in constant prices)**										
22	Service interruptions and emergencies	787	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606
23	Vegetation management	1,065	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	1,468	1,592	1,742	1,628	1,607	1,457	1,607	1,457	1,643	1,457	1,607
25	Asset replacement and renewal	1,810	738	716	682	682	681	717	719	719	740	744
26	**Network Opex**	5,130	5,031	5,159	5,010	4,990	4,839	5,025	4,877	5,062	4,898	5,052
27	System operations and network support	2,392	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783
28	Business support	3,778	3,812	3,812	3,812	3,812	3,812	3,812	3,812	3,812	3,812	3,812
29	**Non-network opex**	6,170	6,595	6,595	6,595	6,595	6,595	6,595	6,595	6,595	6,595	6,595
30	**Operational expenditure**	11,301	11,626	11,754	11,605	11,585	11,434	11,620	11,472	11,657	11,493	11,647
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												
41	**Difference between nominal and real forecasts**	**$000**										
42	Service interruptions and emergencies	-	-	32	65	98	132	167	203	239	276	313
43	Vegetation management	-	-	22	44	67	90	114	138	163	188	214
44	Routine and corrective maintenance and inspection	-	-	35	66	98	120	167	184	244	250	314
45	Asset replacement and renewal	-	-	14	28	42	56	75	91	107	127	145
46	**Network Opex**	-	-	103	202	305	399	523	615	753	841	986
47	System operations and network support	-	-	56	112	170	229	290	351	414	478	543
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**	-	-	235	469	709	942	1,209	1,447	1,733	1,973	2,272

Company Name **Eastland Network Limited**

AMP Planning Period **1 April 2021 – 31 March 2031**

SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a break down of asset condition by asset class as at the end of the disclosure year. Also required is a forecast of the percentage of assets to be replaced in the next 5 years. The data provided should be consistent with the information provided in the AMP and the capital expenditure forecast in Schedule 11a.

ref *Version 1.2 (Draft)*

							Asset Condition at end of year (percentage by grade)							
8	Voltage	Asset category	Asset class	Units	Quantity	Avg age	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade unknown	% of asset forecast to to be replaced in next 5 years	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	17262	23	–	–	1%	3%	96%	–	–	2
10	All	Overhead Line	Wood poles	No.	17921	38	2%	2%	28%	12%	56%		16%	2
11	All	Overhead Line	Other pole types	No.	0	0	–	–	–	–	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	336	43	–	–	49%	26%	25%	–	–	1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	307.0	54	–	–	37%	12%	51%	–	–	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1.4	18	–	–	–	5%	95%	–	–	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	0	0	–	–	–	–	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	0	0	–	–	–	–	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	0.01	13	–	–	–	–	100%	–	–	3
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	0	0	–	–	–	–	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	0	0	–	–	–	–	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	0	0	–	–	–	–	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	0	0	–	–	–	–	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	0	0	–	–	–	–	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	19	22	–	11%	42%	37%	11%	–	5%	2
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	11	27	–	–	82%	–	18%	–	–	2
25	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	0	0	–	–	–	–	–	–	–	N/A
26	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	15	–	–	–	–	100%	–	–	3
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	0	0	–	–	–	–	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	2	19	–	–	–	100%	–	–	–	3
29	HV	Zone substation switchgear	33kV RMU	No.	0	0	–	–	–	–	–	–	–	N/A
30	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	0	0	–	–	–	–	–	–	–	N/A
31	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	46	16	–	2%	4%	4%	89%	–	2%	2
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	113	19	1%	2%	37%	9%	51%	–	15%	2
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	7	14	–	29%	29%	–	43%	–	–	2
34	HV	ZoneSubstation Transformer	Zone Substation Transformers	No.	45	35	20%	9%	9%	7%	56%	–	36%	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2386.8	51	–	–	6%	22%	72%	–	3%	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	0	0	–	–	–	–	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	0.72	39	–	–	100%	–	–	–	–	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	37.8	20	1%	2%	11%	29%	56%	–	6%	1
39	HV	Distribution Cable	Distribution UG PILC	km	101.8	31	–	–	2%	56%	42%	–	2%	1
40	HV	Distribution Cable	Distribution Submarine Cable	km	0	0	–	–	–	–	–	–	–	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	40	23	5%	15%	53%	20%	8%	–	25%	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	15	31	–	–	33%	67%	–	–	–	1
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	4386	31	34%	11%	15%	24%	16%	–	5%	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	77	13	13%	3%	3%	6%	75%	–	–	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	314	16	4%	–	1%	1%	93%	–	6%	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3050	30	–	31%	28%	24%	17%	–	5%	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	548	20	0%	–	3%	4%	94%	–	7%	2
48	HV	Distribution Transformer	Voltage regulators	No.	11	30	–	27%	–	9%	64%	–	–	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	0	0	–	–	–	–	–	–	–	N/A
50	LV	LV Line	LV OH Conductor	km	504.9	52	–	–	64%	10%	26%	–	1%	1
51	LV	LV Cable	LV UG Cable	km	273.1	30	1%	10%	16%	43%	30%	–	–	1
52	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km	21.7	32	–	–	6%	3%	91%	–	–	1
53	LV	Connections	OH/UG customer service connections	No.	26300	0						–	–	3
54	Secondary assets	Protection	Protection relays (electromechanical, solid state and numeric)	No.	191	14	6%	13%	43%	15%	23%	–	13%	2
55	Secondary assets	SCADA and communications	SCADA and communications equipment including single systems	No.	1129	0	5%	12%	47%	36%		–	25%	N/A
56	All	Capacitor Banks	Capacitors including controls	No	1	0	–	100%	–	–	–	–	100%	3
57	Other	Load Control	Centralised plant	Lot	8	0	–	100%	–	–	–		50%	3
58	Other	Load Control	Relays	No	17013	0	7%	22%	29%	37%	3%	2%	–	1
59	Other	Civils	Cable Tunnels	km	0	0	–	–	–	–	–	–	–	N/A
60														

Company Name	Eastland Network Limited
AMP Planning Period	1 April 2021 - 31 March 2031

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	1	-	N-1 Switched	1	-	-	-	Transformer	Constraint supported by Generation AMP section 3.4
Ruatoria	1	-	N-1 Switched	2	-	-	-	Transformer	Constraint supported by Generation AMP section 3.4
Tokomaru	1	-	N-1 Switched	1	-	-	-	Transformer	Constraint suported by adjacent substations AMP table 41
Tolaga	1	-	N-1 Switched	2	-	-	-	Transformer	Constraint supported by Generation AMP section 3.4
Kaiti	7	-	N-1 Switched	8	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2
Port	6	-	N-1 Switched	8	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2
Gisborne	50	56	N-1	-	90%	58	89%	Subtransmission circuit	Load constraint being supported by work programmed as part of section 10.6.1
Carnarvon	14	13	N-1	11	108%	13	111%	Transformer	Current Peak caused when load transferred to site during contengency. 95th percentile value = 12.12MW
Parkinson	10	13	N-1	11	81%	13	84%	No constraint within +5 years	Constraint Suported by adjacent Substations AMP Appendix 2
Makaraka	7	-	N-1 Switched	7	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2
Patutahi	3	-	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	1	-	N-1 Switched	1	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2
Ngatapa	0	-	N-1 Switched	2	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2
Puha	2	-	N-1 Switched	2	-	-	-	Transformer	Constraint supported by Generation AMP section 3.4, Project proposed table 42 will alleviate constraint
JNL	2	-	N-1 Switched	5	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2
Matawhero	4	13	N-1	5	35%	13	37%	No constraint within +5 years	Current Peak caused when load transferred to site during contengency. 95th percentile load 3.92MW
Tuai	1	-	N	-	-	-	-	Transformer	Portable Generation Used for extended repair times
Wairoa	10	10	N-1	-	96%	10	96%	No constraint within +5 years	Constraint Suported by Generation AMP section 3.4
Blacks pad	2	-	N-1 Switched	2	-	-	-	Transformer	Constraint supported by Generation AMP section 3.4
Tahaenui	1	-	N-1 Switched	2	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP Appendix 2
Kiwi (Waihi)	5	-	N	-	-	-	-	Transformer	Generation Infeed for Waihi 5MW Hydro

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

12b(ii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	220
Distribution transformer capacity (Non-EDB owned)	48
Total distribution transformer capacity	268
Zone substation transformer capacity	330

Company Name	**Eastland Network Limited**
AMP Planning Period	**1 April 2021 - 31 March 2031**

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

for year ended	*Current Year CY* **31 Mar 21**	*CY+1* **31 Mar 22**	*CY+2* **31 Mar 23**	*CY+3* **31 Mar 24**	*CY+4* **31 Mar 25**	*CY+5* **31 Mar 26**
*Consumer types defined by EDB**						
Domestic	19,679	19,758	19,838	19,918	19,998	20,079
Non Domestic	5,987	5,998	6,009	6,020	6,031	6,042
Non Domestic Large	61	61	61	61	61	61
Non Domestic Industrial	5	5	5	5	5	5
[EDB consumer type]						
Connections total	25,732	25,822	25,913	26,004	26,095	26,187

**Distributed generation*include additional rows if needed*

Number of connections	310	449	519	568	665	743
Installed connection capacity of distributed generation (MVA)	14	15	15	15	16	16

12c(ii) System Demand

	for year ended	*Current Year CY* **31 Mar 21**	*CY+1* **31 Mar 22**	*CY+2* **31 Mar 23**	*CY+3* **31 Mar 24**	*CY+4* **31 Mar 25**	*CY+5* **31 Mar 26**
Maximum coincident system demand (MW)							
GXP demand		55	55	56	56	57	57
plus Distributed generation output at HV and above		4	5	5	5	5	5
Maximum coincident system demand		59	60	61	61	62	62
less Net transfers to (from) other EDBs at HV and above							
Demand on system for supply to consumers' connection points		59	60	61	61	62	62
Electricity volumes carried (GWh)							
Electricity supplied from GXPs		299	297	298	299	299	300
less Electricity exports to GXPs		-					
plus Electricity supplied from distributed generation		11.9	12.3	12.5	12.8	13.2	13.9
less Net electricity supplied to (from) other EDBs		-					
Electricity entering system for supply to ICPs		311	309	310	311	312	314
less Total energy delivered to ICPs		283	284	285	286	287	288
Losses		28	26	26	26	26	26
Load factor		59.63%	58.85%	58.52%	58.19%	57.86%	57.54%
Loss ratio		8.98%	8.28%	8.28%	8.28%	8.28%	8.28%

Company Name	**Eastland Network**
AMP Planning Period	**2021 - 2031**
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*
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	**2021 - 2031**
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*
10	**SAIDI**						
11	Class B (planned interruptions on the network)	22.0	129.1	129.1	129.1	129.1	129.1
12	Class C (unplanned interruptions on the network)	170.0	109.7	109.7	109.7	109.7	109.7
13	**SAIFI**						
14	Class B (planned interruptions on the network)	0.41	0.75	0.75	0.75	0.75	0.75
15	Class C (unplanned interruptions on the network)	2.90	1.58	1.58	1.58	1.58	1.58

Company Name	**Eastland Network**
AMP Planning Period	**2021 - 2031**
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		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
10	**SAIDI**						
11	Class B (planned interruptions on the network)	22.0	129.1	129.1	129.1	129.1	129.1
12	Class C (unplanned interruptions on the network)	170.0	109.7	109.7	109.7	109.7	109.7
13	**SAIFI**						
14	Class B (planned interruptions on the network)	0.41	0.75	0.75	0.75	0.75	0.75
15	Class C (unplanned interruptions on the network)	2.90	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. 2020/21 0.0% 2021/22 2.0% 2022/23 2.0% 2024/25 – 2029/30 2.0%

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. 2019/20 0.0% 2020/21 2.0% 2021/22 2.0% 2023/24 – 2029/30 2.0%