Company Name AMP Planning Period

ne Eastland Network Limited

## 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.

	Inflation adj	1.0000	1.0000	1.0200	1.0404	1.0612	1.0824	1.1041	1.1262	1.1487	1.1717	1.1
	for year ended	Current Year CY 31 Mar 20	<i>CY+1</i> <b>31 March 21</b>	CY+2 <b>31 March 22</b>	CY+3 31 March 23	CY+4 31 March 24	CY+5 31 March 25	<i>CY+6</i> <b>31 March 26</b>	<i>CY+7</i> <b>31 March 27</b>	CY+8 31 March 28	CY+9 31 March 29	CY+10 31 March 30
1a(i): Expenditure on Assets Forecast		\$000 (in nominal dollar	rs)									
Consumer connection		112 939	112 1,002	114 1,062	116 1,176	119 813	121 1,132	123 1,524	126 1,240	128 1,834	131 1,871	1
System growth Asset replacement and renewal		7,589	7,785	7,992	8,528	7,383	7,569	7,607	7,857	7,819	8,413	
Asset relocations		50	50	51	52	53	54	55	56	57	59	
Reliability, safety and environment:  Quality of supply	١	122	157	99	105	107	109	49	176	13	13	
Legislative and regulatory		-	-	171	174	-	-	-	-	-	-	
Other reliability, safety and environment		341	341	348	355	-	-	364	372	379	-	
Total reliability, safety and environment  Expenditure on network assets		463 9,153	498 9,446	618 9,837	634 10,506	107 8,474	109 8,984	414 9,724	548 9,827	392 10,231	13 10,486	
Non-network assets		501	54	699	166	117	119	121	124	126	129	
Expenditure on assets	L	9,654	9,500	10,536	10,672	8,591	9,103	9,845	9,950	10,358	10,615	
plus Cost of financing	[		I	I			I			T	I	
less Value of capital contributions		50	50	51	52	53	54	55	56	57	59	
plus Value of vested assets	L	200	600	510	520	531	541	552	563	574	586	
Capital expenditure forecast	[	9,804	10,050	10,995	11,140	9,069	9,591	10,342	10,457	10,875	11,142	
Value of a consistence of a contra	Capitalisation Rate	10 417	0.076	10.711	11 007	0.000	0.424	10 117	10 422	10.740	11.002	
Value of commissioned assets	70%	10,417	9,976	10,711	11,097	9,690	9,434	10,117	10,423	10,749	11,062	
	for year ended	Current Year CY 31 Mar 20	<i>CY+1</i> <b>31 March 21</b>	CY+2 31 March 22	CY+3 31 March 23	CY+4 31 March 24	<i>CY+5</i> <b>31 March 25</b>	<i>CY+6</i> <b>31 March 26</b>	<i>CY+7</i> <b>31 March 27</b>	CY+8 31 March 28	CY+9 31 March 29	CY+10 31 March
Consumer connection	-	5000 (in constant price	s) 112	112	112	112	112	112	112	112	112	
System growth		939	1,002	1,041	1,130	766	1,045	1,380	1,101	1,597	1,597	
Asset replacement and renewal		7,589	7,785	7,836	8,196	6,957	6,993	6,890	6,976	6,807	7,180	
Asset relocations Reliability, safety and environment:	l	50	50	50	50	50	50	50	50	50	50	
Quality of supply	[	122	157	97	101	101	101	45	156	11	11	
Legislative and regulatory Other reliability, safety and environment		341	- 341	168 341	168 341	-	-	330	330	330	-	
Total reliability, safety and environment		463	498	606	609	101	101	375	486	341	11	
Expenditure on network assets		9,153	9,446	9,644	10,098	7,986	8,300	8,807	8,726	8,907	8,950	
Non-network assets  Expenditure on assets		501 9,654	54 9,500	685 10,329	160 10,258	110 8,096	110 8,410	110 8,917	110 8,836	9,017	9,060	
Experiental Confession		3,034			10,230	0,050	0,410	0,517	0,030	3,017	3,000	
			<u> </u>									
Subcomponents of expenditure on assets (where known)	ŗ											
Energy efficiency and demand side management, reduction of energy losses	[											
	[											
Energy efficiency and demand side management, reduction of energy losses  Overhead to underground conversion	[	Current Veer CV	CV+1	CVL	CV42	CV+4	CVLS	CVLG	CVAZ	CV10	CV+0	CV±10
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development	for year ended	Current Year CY 31 Mar 20	CY+1 31 March 21	CY+2 31 March 22	CY+3 31 March 23	CY+4 31 March 24	CY+5 31 March 25	CY+6 31 March 26	CY+7 31 March 27	CY+8 31 March 28	CY+9 31 March 29	
Energy efficiency and demand side management, reduction of energy losses  Overhead to underground conversion	· ·											
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth	· ·	31 Mar 20		2 2 21	31 March 23 5 46	31 March 24 7 47	<b>31 March 25</b> 9 86	31 March 26 12 144	31 March 27  14  139	31 March 28 17 237	31 March 29 19 274	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal	· ·	31 Mar 20		2 2 21 157	31 March 23 5 46 331	<b>31 March 24</b>	<b>31 March 25</b>	31 March 26	31 March 27 14 139 880	31 March 28	31 March 29 19 274 1,233	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth	· ·	31 Mar 20		2 2 21	31 March 23 5 46	31 March 24 7 47	<b>31 March 25</b> 9 86	31 March 26 12 144	31 March 27  14  139	31 March 28 17 237	31 March 29 19 274	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply	· ·	31 Mar 20		2 2 21 157 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	31 March 23 5 46 331 2	31 March 24 7 47	<b>31 March 25</b> 9 86	31 March 26 12 144	31 March 27 14 139 880	31 March 28 17 237	31 March 29 19 274 1,233	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory	· ·	31 Mar 20		2 2 21 157 1	31 March 23 5 46 331 2	31 March 24 7 47	<b>31 March 25</b> 9 86	12 144 717 5 5	31 March 27  14  139  880  6	17 237 1,012 7 2 2	31 March 29 19 274 1,233	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply	· ·	31 Mar 20		2 2 21 157 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	31 March 23 5 46 331 2	31 March 24 7 47	<b>31 March 25</b> 9 86	31 March 26 12 144	31 March 27 14 139 880 6	31 March 28 17 237	31 March 29 19 274 1,233	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets	· ·	31 Mar 20		2 2 21 157 1 2 2 3 3 7 7 12 193	\$ 1 March 23 \$ 5 \$ 46 \$ 331 \$ 2 \$ 2 \$ 4 \$ 7 \$ 14 \$ 25 \$ 408 \$ \$ 408 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	31 March 24 7 47	9 9 86 576 4 8	12 144 717 5 5 - 34 39 917	31 March 27  14  139  880  6  20  - 42  61  1,101	17 237 1,012 7 7 2 2 - 49 51 1,324	19 274 1,233 9 2 2 2 1,536	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment	· ·	31 Mar 20		2 2 21 157 1 1 2 3 3 7 7 12	31 March 23 5 46 331 2 4 7 14 25	7 7 47 426 3 6 6 6 6	31 March 25  9  86  576  4  8	31 March 26  12 144 717 5  5 - 34 39	31 March 27  14  139  880  6  20  - 42  61	17 237 1,012 7 7 2 2 4 9 51	19 19 274 1,233 9 2 2	31 March
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets		31 Mar 20 5000	31 March 21	2 21 157 1 1 2 2 3 3 7 12 193 14 207	31 March 23  5 46 331 2  4 7 14 25 408 6 414  CY+3	7 7 47 426 3 3 6 6 6 489 7 496 CY+4	31 March 25  9 86 576 4  8 8 8 8 684 9 693	12 144 717 5 5 - - 34 39 917	31 March 27  14  139  880  6  20  - 42  61  1,101  14	17 237 1,012 7 7 2 2 2 - 49 49 51 1,324 16	19 274 1,233 9 2 2 - - 2 1,536 19	CY+10 31 March
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  La(ii): Consumer Connection	· ·	31 Mar 20 5000	31 March 21	2 2 21 157 1 2 2 3 3 7 7 12 193 14 207	\$\frac{5}{46}\$ \$\frac{331}{2}\$ \$\frac{4}{7}\$ \$\frac{14}{25}\$ \$\frac{408}{6}\$ \$\frac{414}{414}\$	7 7 47 426 3 3 6 6 6 489 7 496	9 86 576 4 8	12 144 717 5 5 - - 34 39 917	31 March 27  14  139  880  6  20  - 42  61  1,101  14	17 237 1,012 7 7 2 2 2 - 49 49 51 1,324 16	19 274 1,233 9 2 2 - - 2 1,536 19	31 March
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  La(ii): Consumer Connection Consumer types defined by EDB*	for year ended	31 Mar 20 5000	31 March 21	2 2 1 157 1 2 2 3 3 7 7 12 193 14 207 CY+2 31 March 22	31 March 23  5 46 331 2  4 7 14 25 408 6 414  CY+3 31 March 23	7 47 426 3 6 6 489 7 496 CY+4 31 March 24	9 86 576 4  8	12 144 717 5 5 - 34 39 917 11 928	14 139 880 6 20 - 42 61 1,101 14 1,115	17 237 1,012 7 7 2 2 - 49 51 1,324 16 1,341	19 274 1,233 9 2 2 2 1,536 19 1,555	31 March
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  La(ii): Consumer Connection	for year ended	31 Mar 20 5000 	31 March 21	2 21 157 1 1 2 2 3 3 7 12 193 14 207	31 March 23  5 46 331 2  4 7 14 25 408 6 414  CY+3	7 7 47 426 3 3 6 6 6 489 7 496 CY+4	31 March 25  9 86 576 4  8 8 8 8 684 9 693	12 144 717 5 5 - - 34 39 917	31 March 27  14  139  880  6  20  - 42  61  1,101  14	17 237 1,012 7 7 2 2 2 - 49 49 51 1,324 16	19 274 1,233 9 2 2 - - 2 1,536 19	31 March
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  a(ii): Consumer types defined by EDB* Residential Industrial *include additional rows if needed	for year ended	31 Mar 20 5000 	31 March 21	2 2 21 157 1 2 2 3 3 7 7 12 193 14 207 2 2 31 March 22 56 56	31 March 23  5 46 331 2  4 7 14 25 408 6 414   CY+3 31 March 23	7 7 47 426 3 3 6 6 489 7 496 CY+4 31 March 24	9 86 576 4 4 8 8 684 9 693 1 March 25 56 56	31 March 26  12 144 717 5  5  - 34 39 917 11 928	31 March 27  14  139  880  6  20  . 42  61  1,101  14  1,115	31 March 28  17 237 1,012 7  2 49 51 1,324 16 1,341	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555	31 March
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  in Consumer Connection Consumer types defined by EDB* Residential Industrial *include additional rows if needed Consumer connection expenditure	for year ended	31 Mar 20 5000 	31 March 21	2 2 2 1 157 1 2 2 3 3 7 7 12 193 14 207 2 31 March 22 36 56 56 112	31 March 23  5 46 331 2  4 7 14 25 408 6 414   CY+3 31 March 23	7 7 47 426 3 3 6 6	31 March 25  9 86 576 4  8 8 684 9 693  CY+5 31 March 25	31 March 26  12 144 717 5  5 - 34 39 917 11 928	31 March 27  14  139  880  6  20  - 42  61  1,101  14  1,115	31 March 28  17 237 1,012 7  2 49 51 1,324 16 1,341  56 56 56	31 March 29  19 274 1,233 9  2 1,536 19 1,555	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  in Consumer types defined by EDB* Residential Industrial *include additional rows if needed Consumer connection expenditure	for year ended	31 Mar 20 5000 	31 March 21	2 2 21 157 1 2 2 3 3 7 7 12 193 14 207 2 2 31 March 22 56 56	31 March 23  5 46 331 2  4 7 14 25 408 6 414   CY+3 31 March 23	7 7 47 426 3 3 6 6 489 7 496 CY+4 31 March 24	9 86 576 4 4 8 8 684 9 693 1 March 25 56 56	31 March 26  12 144 717 5  5  - 34 39 917 11 928	31 March 27  14  139  880  6  20  . 42  61  1,101  14  1,115	31 March 28  17 237 1,012 7  2 49 51 1,324 16 1,341	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  al(ii): Consumer Connection Consumer types defined by EDB* Residential Industrial *include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions	for year ended	31 Mar 20 5000	31 March 21	2 2 21 157 1 1 2 2 3 3 7 7 12 193 14 207 2 31 March 22 31 March 22 56 56 56	31 March 23  5 46 331 2  4 7 14 25 408 6 414   CY+3 31 March 23  56 56 56	7 47 426 3 3 6 6 489 7 496 CY+4 31 March 24	31 March 25  9 86 576 4  8 8 684 9 693  CY+5 31 March 25  56 56 56 50	31 March 26  12  144  717  5  5  - 34  39  917  11  928  56  56  51  112	31 March 27  14  139  880  6  20  - 42  61  1,101  14  1,115  56  56  56	31 March 28  17 237 1,012 7  2 49 51 1,324 16 1,341  56 56 56	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555  56 56 56 51 112	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  Initial: Consumer Connection Consumer types defined by EDB* Residential Industrial *include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions	for year ended	31 Mar 20 5000	31 March 21	2 2 21 157 1 1 2 2 3 3 7 7 12 193 14 207 2 31 March 22 31 March 22 56 56 56	31 March 23  5 46 331 2  4 7 14 25 408 6 414   CY+3 31 March 23  56 56 56	7 47 426 3 3 6 6 489 7 496 CY+4 31 March 24	31 March 25  9 86 576 4  8 8 684 9 693  CY+5 31 March 25  56 56 56 50	31 March 26  12  144  717  5  5  - 34  39  917  11  928  56  56  51  112	31 March 27  14  139  880  6  20  - 42  61  1,101  14  1,115  56  56  56	31 March 28  17 237 1,012 7  2 49 51 1,324 16 1,341  56 56 56	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555  56 56 56 51 112	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  al(ii): Consumer Connection Consumer types defined by EDB* Residential Industrial *include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions  al(iii): System Growth	for year ended	31 Mar 20 5000 	31 March 21	2 2 21 157 1 2 2 3 3 7 7 12 193 14 207 2 2 31 March 22 31 March 22 31 March 22 56 56 56 56 112 50 162	31 March 23  5 46 331 2  4 7 14 25 408 6 414   CY+3 31 March 23  56 56 56 112 50 162	7 47 426 3 3 6 6 489 7 496 CY+4 31 March 24	31 March 25  9 86 576 4  8 8 684 9 693  CY+5 31 March 25  56 56 56 50	31 March 26  12 144 717 5  5  - 34 39 917 11 928  56 56 56 56	31 March 27  14 139 880 6 20 . 42 61 1,101 14 1,115  56 56 56 112 50 162	31 March 28  17 237 1,012 7  2 49 51 1,324 16 1,341  56 56 56 56 112 50 162	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555  56 56 56 112 50 162	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  I(ii): Consumer Connection Consumer types defined by EDB* Residential Industrial **Include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions  I(iii): System Growth Subtransmission Zone substations Distribution and LV lines	for year ended	31 Mar 20 5000	31 March 21	2 2 21 157 157 1 1 2 2 3 3 7 7 12 12 193 14 207 2 2 31 March 22 31 March 22 56 56 56 56 56 56 550 550 550 555 555 5	31 March 23  5 46 331 2  4 7 7 14 25 408 6 414   CY+3 31 March 23  56 56 56 51 112 50 162	31 March 24  7 47 426 3  6 6 - 6 489 7 496    CY+4 31 March 24  56 56  112 50 162 - 275 155	31 March 25  9 86 576 4  8 8	31 March 26  12 144 717 5  5  - 34 39 917 11 928  56 56 56  112 50 162	31 March 27  14  139  880  6  20  42  61  1,101  144  1,115  56  56  51  112  50  162	31 March 28  17 237 1,012 7  2 2 49 51 1,324 16 1,341  566 56 56 56 1122 50 162 335 503 155	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555  56 56 56 112 50 162 335 503 155	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  Sommer types defined by EDB* Residential Industrial **Include additional rows if needed Consumer connection expenditure Less Capital contributions funding consumer connection Consumer connection less capital contributions Soliii): System Growth Subtransmission Zone substations Distribution and LV lines Distribution and LV cables	for year ended	31 Mar 20 5000	31 March 21	2 2 21 157 157 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31 March 23  5 46 48 331 2  4 7 14 25 408 6 414   CY+3 31 March 23  56 56 56 56 112 50 162	31 March 24  7 47 47 426 3 6 6 6 489 7 496  CY+4 31 March 24  112 50 162	31 March 25  9 86 576 4  8 8 684 9 693  CY+5 31 March 25  112 50 162	31 March 26  12 144 717 5  5  - 34 39 917 11 928  56 56 56 112 50 162	31 March 27  14  139  880  6  20  42  61  1,101  14  1,115  56  56  56  112  50  162  335  275  155  199	31 March 28  17 237 1,012 7  2  49 51 1,324 16 1,341  56 56 56 56 56 56 56 56 56 56 56 56 56	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555  56 56 56 112 50 162 335 503 155 467	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  Expenditure on assets  a(ii): Consumer Connection Consumer types defined by EDB* Residential Industrial **Include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions a(iii): System Growth Subtransmission Zone substations Distribution and LV lines	for year ended	31 Mar 20 5000	31 March 21	2 2 21 157 157 1 1 2 2 3 3 7 7 12 12 193 14 207 2 2 31 March 22 31 March 22 56 56 56 56 56 56 550 550 550 555 555 5	31 March 23  5 46 331 2  4 7 7 14 25 408 6 414   CY+3 31 March 23  56 56 56 51 112 50 162	31 March 24  7 47 426 3  6 6 - 6 489 7 496    CY+4 31 March 24  56 56  112 50 162	31 March 25  9 86 576 4  8 8	31 March 26  12 144 717 5  5  - 34 39 917 11 928  56 56 56  112 50 162	31 March 27  14  139  880  6  20  42  61  1,101  144  1,115  56  56  51  112  50  162	31 March 28  17 237 1,012 7  2 2 49 51 1,324 16 1,341  566 56 56 56 1122 50 162 335 503 155	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555  56 56 56 112 50 162 335 503 155	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Expenditure on assets  Expenditure on assets  a(ii): Consumer Connection Consumer types defined by EDB* Residential hotustrial *include additional rows if needed Consumer connection expenditure  less Capital contributions funding consumer connection Consumer connection less capital contributions  a(iii): System Growth Subtransmission Zone substations Distribution and LV cables Distribution switchgear Other network assets Other network assets	for year ended	31 Mar 20 5000	31 March 21	2 2 21 157 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31 March 23  5 46 331 2  4 7 14 25 408 6 414   CY+3 31 March 23  56 56 56 51 112 50 162 550 155 289 137	7 47 426 3 6 6 489 7 496  CY+4 31 March 24  56 56  112 50 162  - 275 155 199 137	31 March 25  9 86 576 4  8 8 8 8 684 9 693   CY+5 31 March 25  56 56  112 50 162	31 March 26  12 144 717 5 5 5 - 34 39 917 11 928  56 56 56 112 50 162  335 275 155 199 137 - 279	31 March 27  14  139  880  6  20  42  61  1,101  144  1,115  56  56  56  112  50  162  335  275  155  199  137  -	31 March 28  17 237 1,012 7 2 2 - 49 51 1,324 16 1,341  56 56 56 51 112 50 162  335 503 155 467 137	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555  56 56 56 56 467 112 50 162 503 155 467 137	
Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development  Difference between nominal and constant price forecasts Consumer connection System growth Asset replacement and renewal Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Non-network assets Non-network assets Expenditure on assets  a(ii): Consumer Connection Consumer types defined by EDB* Residential Industrial **include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions a(iii): System Growth Subtransmission Zone substations Distribution and LV lines Distribution and LV cibles Distribution substations and transformers Distribution switchgear	for year ended	31 Mar 20 5000	31 March 21	2 2 21 157 157 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31 March 23  5 46 48 331 2  4 7 14 25 408 6 414   CY+3 31 March 23  56 56 56 56 112 50 162	31 March 24  7 47 47 426 3 6 6 6 489 7 496  CY+4 31 March 24  112 50 162	31 March 25  9 86 576 4  8 8 8 684 9 693   CY+5 31 March 25  56 56 112 50 162	31 March 26  12 144 717 5  5	31 March 27  14  139  880  6  20  42  61  1,101  14  1,115  56  56  56  112  50  162  335  275  155  199	31 March 28  17 237 1,012 7  2  49 51 1,324 16 1,341  56 56 56 56 56 56 56 56 56 56 56 56 56	31 March 29  19 274 1,233 9  2 2 1,536 19 1,555  56 56 56 112 50 162 335 503 155 467	

for year ended 31 Mar 20 31 March 21 31 March 22 31 March 23 31 March 24 31 March 25

No. of the content	105	11a(iv): Asset Replacement and Renewal		6000 /in	251									
No. 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0			Ī		-	1,591	1,701	1,581	1,581	1,481	1,636	1,481	1,581	1,536
Control   Cont	107				735									
March   State   Stat			-	·	-								· · · · · · · · · · · · · · · · · · ·	
Mile Search Control   Mile Search Control			-		-									
100   100														452
100   100														
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Control   Cont	115	Asset replacement and renewal less capital contributions	[	7,589	7,785	7,836	8,196	6,957	6,993	6,890	6,976	6,807	7,180	6,808
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Manuscript   Man		Building/Switchyard Security Upgrade (2016/17 defer Kaiti)			-		-	-	-	-	-	-	-	-
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Section   Sect							-	56	-	-				56
Manual and Manual An		Alternate Massey Rd Control Room (defer from 2018/19)		44	-	-	-	-	-	-	-	-	-	-
1	120				50	-	-	-	-	-	-	-	-	-
10   10   10   10   10   10   10   10			Г	T							T			
14	138	Quality of supply expenditure		122	157	97	101	101	101	45	156	11	11	67
14   16   16   16   16   16   16   16				-	-	-	-	-	-	-	-	-	-	-
14		Quality of supply less capital contributions	L	122	157	97	101	101	101	45	156	11	11	67
Part   Content   Part   Part	141													
March   Control state   Control														
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Manual programme and program			L		-	168	168	-	-	-	-	-	-	
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Part   Control   Control				-	-	168	168	-	-	-	-	-	-	-
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Margin Congression   State   Margin Congression														
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10   Product an information of product   10   10   10   10   10   10   10   1	162 163	11a(viii): Other Reliability, Safety and Environment		31 Mar 20	31 March 21									
All Other reliability, safety and environment expects or programmins   34	162 163 164	11a(viii): Other Reliability, Safety and Environment  Project or programme*		31 Mar 20 \$000 (in constant price	31 March 21	31 March 22	31 March 23			31 March 26				
12   13   13   13   13   13   13   13	162 163 164 166	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety  Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson		31 Mar 20 \$000 (in constant price	31 March 21	31 March 22	31 March 23			31 March 26	31 March 27	31 March 28		
254   254   254   254   254   254   254   254   255	162 163 164 166	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety  Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed		31 Mar 20 \$000 (in constant price	31 March 21	31 March 22	31 March 23			31 March 26	31 March 27	31 March 28		
13   13   13   13   13   13   13   13	162 163 164 166 170 171	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety  Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed  All other reliability, safety and environment projects or programmes		31 Mar 20 \$000 (in constant price 341	31 March 21 es) 341	31 March 22	31 March 23 341			31 March 26	31 March 27 - 330	31 March 28		
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Test Instrument & Safety Equipment (fine Core worker \$7/20 additional/uggrade)   16   15   10   10   10   10   10   10   10	162 163 164 166 170 171 172 173 174 175 176	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety  Replace 11kV SWGR Matawhero, Kaliti, Kiwi & Parkinson  *include additional rows if needed  All other reliability, safety and environment projects or programmes  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions		31 Mar 20 \$000 (in constant price 341 341	31 March 21 28) 341 341	341 341 341 -	31 March 23  341 -  341			31 March 26	31 March 27 - 330 330	31 March 28		
Second Engineering of Solit office (Eastech, Warran Support)   186   190   1	162 163 164 166 170 171 172 173 174 175 176 177	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure		31 Mar 20 \$000 (in constant price 341 341	31 March 21 28) 341 341	341 341 341 -	31 March 23  341 -  341			31 March 26	31 March 27 - 330 330	31 March 28		
Some of the process	162 163 164 166 170 171 172 173 174 175 176 177	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*		31 Mar 20 \$000 (in constant price 341 341 341	31 March 21  28)  341  341  341	341 341 341 341	31 March 23  341  341  341	31 March 24	31 March 25	31 March 26	31 March 27 - 330 330 - 330	31 March 28	31 March 29	31 March 30
186	162 163 164 166 170 171 172 173 174 175 176 177 178 179 180 181	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  /ess Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)		31 Mar 20 \$000 (in constant price 341 341 - 341	31 March 21  28)  341  341  341	341 341 341 341 10 10 10	31 March 23  341 341 341 - 10	31 March 24	31 March 25	31 March 26  -	31 March 27 330 330 - 330	31 March 28	31 March 29	31 March 30
All other routine expenditure projects or programmes     116   54   150   11	162 163 164 166 170 171 172 173 174 175 176 177 178 179 180 181	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero,Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade) Vehicle Replacement @ \$60k each (Ntk) General asset replacement (Ntk)		31 Mar 20 \$000 (in constant price 341 341 341 41 60 60 20	31 March 21 28) 341 341 341 16	341 341 341 10 100 100 20	341 341 341 341 10 60 60 20	31 March 24	31 March 25	31 March 26	31 March 27  330  330  330  10 60 20	31 March 28  330  330  330  10  60 20	31 March 29	31 March 30
Routine expenditure   116   54   150   110   1	162 163 164 166 170 171 172 173 174 175 176 177 180 181 182 185	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets  Routine expenditure  Project or programme*  Test Instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ S60k each (Ntk) General building capex (ENL office, Eastech, Wairoa Depot)		31 Mar 20 \$000 (in constant price 341 341 341 41 60 60 20	31 March 21 28) 341 341 341 16	341 341 341 10 100 100 20	341 341 341 341 10 60 60 20	31 March 24	31 March 25	31 March 26	31 March 27  330  330  330  10 60 20	31 March 28  330  330  330  10  60 20	31 March 29	31 March 30
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Plan Plotter/Printer replacement	162 163 164 166 170 171 172 173 174 175 176 177 178 179 180 181 182 185	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaliti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test Instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ 560k each (Ntk) General asset replacement (Ntk) General building capex (ENL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure  Atypical expenditure		31 Mar 20 \$000 (in constant price 341 341 341 16 60 20 20	31 March 21 25) 341 341 341 16 20 18	341 341 341 10 100 100 20 20 20	341 341	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
Property Capital Projects (Carnarvon St security fence upgrade)   20   -   20   -   -   -   -   -   -   -   -   -	162 163 164 166 170 171 172 173 174 175 176 177 180 181 182 185 186 187 188 189 190	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets  Routine expenditure  Project or programme*  Test instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ 560k each (Ntk) General asset replacement (Ntk) General building capex (ENL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure  Project or programme*		31 Mar 20  \$000 (in constant price 341 341	31 March 21 25) 341 341 341 16 20 18	341 341 341 10 100 100 20 20 20	341 341	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
Property Capital Projects (Eastech office refurb)   30   -   30   -   -   -   -   -   -   -   -   -	162 163 164 166 170 171 172 173 174 175 176 177 178 180 181 182 185 186 187 188 189 190 193	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test Instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade) Vehicle Replacement (Mtk) General asset replacement (Mtk) General building capex (ENL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure  Project or programme* GIS Thin Client Softwaret		31 Mar 20 \$000 (in constant price 341 341 - 341 16 60 20 20	31 March 21 25) 341 341 341 16 20 18	341 341 341 10 100 100 20 20 20	341 341	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
Property Capital Projects (Wairoa office & w/shop refurb)   50lar PV Trial (Carnarvon & 1x Wairoa defer from 2016/17)   55	162 163 164 166 170 171 172 173 174 175 176 177 178 180 181 182 185 186 187 188 189 190 193	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaliti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test Instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ 560k each (Ntk) General asset replacement (Ntk) General building capex (ENL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure  Atypical expenditure  Atypical expenditure  Project or programme*  GIS Thin Client Softwaret Plan Plotter/Printer replacement Property Capital Projects (ENL Carnarvon St office refurb)		31 Mar 20  5000 (in constant price 341 341 - 341 - 16 60 20 20 20 116 50 15 150	31 March 21 25) 341 341 341 16 20 18	341 341 341 341 100 100 20 20 150 150 150 170 70	341 341	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
Solar PV Trial (Carnarvon & 1x Wairoa defer from 2016/17)   55   -   -   -   -   -   -   -   -	162 163 164 166 170 171 172 173 174 175 176 177 178 180 181 182 185 186 187 188 189 190 193	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets  Routine expenditure  Project or programme*  Test instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ S60k each (Ntk) General asset replacement (Ntk) General building capex (ENL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure  Project or programme*  GIS Thin Client Softwaret Plan Plotter/Printer replacement Property Capital Projects (ENL Carnarvon St office refurb) Property Capital Projects (Carnarvon St security fence upgrade)		31 Mar 20  \$000 (in constant price 341 341 341  16 60 20 20 116 50 15 150 20	31 March 21 25) 341 341 341 16 20 18	341 341 341 341 100 100 20 20 150 150 150 150 20 20 20 20 20 20 20 20 20 20 20 20 20	341 341	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
Property Capital Projects (ENL Carnaryon St earthquake strengthening)	162 163 164 166 170 171 172 173 174 175 176 177 178 180 181 182 185 186 187 188 189 190 193	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets  Routine expenditure  Project or programme*  Test instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade) Vehicle Replacement @ 560k each (Ntk) General asset replacement (Ntk) General asset replacement (Ntk) General building capex (ENL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure  Project or programme*  GIS Thin Client Softwaret Plan Plotter/Printer replacement Property Capital Projects (Carnarvon St office refurb) Property Capital Projects (Carnarvon St security fence upgrade) Property Capital Projects (Castach office refurb)		31 Mar 20  \$000 (in constant price 341 341 341  16 60 20 20 116 50 15 150 20	31 March 21 25) 341 341 341 16 20 18	341 341 341 341 341 341 341 341 341 341	31 March 23  341  341  341  10  60  20  20  110	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
Outage app	162 163 164 166 170 171 172 173 174 175 176 177 178 180 181 182 185 186 187 188 189 190 193	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  Jess Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test Instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade) Vehicle Replacement @ \$60k each (Ntk) General asset replacement (Ntk) General building capex (ENL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure  Project or programme*  Gis Thin Client Softwaret Plan Plotter/Printer replacement Property Capital Projects (ENL Carnarvon St office refurb) Property Capital Projects (Eastech office refurb)		31 Mar 20  \$000 (in constant price 341 341 341 - 341 16 60 20 116 50 15 150 20 30	31 March 21 25) 341 341 341 16 20 18	341 341 341 341 341 341 341 341 341 341	31 March 23  341  341  341  10  60  20  20  110	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
New billing system	162 163 164 166 170 171 172 173 174 175 176 177 178 180 181 182 185 186 187 188 189 190 193	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets  Routine expenditure  Project or programme*  Test Instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ S60k each (Ntk) General asset replacement (Ntk) General building capex (ENL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure projects or programmes  Routine expenditure  Project or programme*  GiST hin Client Softwaret Plan Plotter/Printer replacement Property Capital Projects (ENL Carnarvon St office refurb) Property Capital Projects (ESEA Carnarvon St security fence upgrade) Property Capital Projects (Estacten office refurb) Property Capital Projects (Wairoa office & wyshop refurb) Solar PY Trial (Carnarvon & 1x Wairoa defer from 2016/17) Home EV Charger trial (half cost with Energy Solutions)		31 Mar 20  5000 (in constant price  341  341  -  341  16  60  20  20  116  50  15  150  20  30  -  55  15	31 March 21 25) 341 341 341 16 20 18	341 341 341 341 341 341 341 341 341 341	31 March 23  341  341  341  10  60  20  20  110	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
196     *include additional rows if needed       197     All other atypical projects or programmes     Image: Control of the project of	162 163 164 166 170 171 172 173 174 175 176 177 178 180 181 182 185 186 187 188 189 190 193	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ 560k each (Ntk) General asset replacement (Ntk) General building capex (ENL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure projects or programmes Routine expenditure  Atypical expenditure  Project or programme*  Gis Thin Client Softwaret Plan Plotter/Printer replacement Property Capital Projects (ENL Carnarvon St office refurb) Property Capital Projects (Enaceh office swish Energy Solutions) Property Capital Projects (ENL Carnarvon St earthquake strengthening)		31 Mar 20  5000 (in constant price  341  341  -  341  16  60  20  20  116  50  15  150  20  30  -  55  15	31 March 21 25) 341 341 341 16 20 18	341 341 341 341 341 341 341 341 341 341	31 March 23  341  341  341  10  60  20  20  110	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
198 Atypical expenditure 385 - 535 50	162 163 164 166 170 171 172 173 174 175 176 177 178 180 181 182 185 186 187 188 189 190 193	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kiwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test Instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade) Vehicle Replacement @ 560k each (Ntk) General asset replacement (Ntk) General busiding capex (RNL office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure projects or programmes Routine expenditure  Project or programme*  GIS Thin Client Softwaret Plan Plotter/Printer replacement Property Capital Projects (Ean Carnarvon St office refurb) Property Capital Projects (Eastech office refurb) Property Capital Projects (Carnarvon St security fence upgrade) Property Capital Projects (Carnarvon St		31 Mar 20  5000 (in constant price  341  341  -  341  16  60  20  20  116  50  15  150  20  30  -  55  15	31 March 21 25) 341 341 341 16 20 18	31 March 22  341	31 March 23  341  341  341  10  60  20  20  110	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
199	162 163 164 166 170 171 172 173 174 175 176 177 178 179 180 181 182 185 186 187 188 189 190 193 194	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxe & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kaiti, Kwwi & Parkinson  *include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test Instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade) Vehicle Replacement @ S60k each (Ntk) General asset replacement (Ntk) General building capex (ENt. office, Eastech, Wairoa Depot)  *include additional rows if needed All other routine expenditure projects or programmes Routine expenditure  Atypical expenditure  Project or programme*  Gist Thin Client Softwaret Plan Plotter/Printer replacement Property Capital Projects (ENt. Carnarvon St office refurb) Property Capital Projects (Ent. Carnarvon St ecurity fence upgrade)  Property Capital Projects (Eastech office refurb) Property Capital Projects (Eastech office		31 Mar 20  5000 (in constant price  341  341  -  341  16  60  20  20  116  50  15  150  20  30  -  55  15	31 March 21 25) 341 341 341 16 20 18	31 March 22  341	31 March 23  341  341  341  10  60  20  20  110	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
	162 163 164 166 170 171 172 173 174 175 176 177 178 199 180 181 182 185 186 187 188 189 190 193 194	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety  Replace 11kV SWGR Matawhero, Kalit, Kiwi & Parkinson  *Include additional rows if needed  All other reliability, safety and environment projects or programmes  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets  Routine expenditure  Project or programme*  Test instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ 560k each (Ntk)  General asset replacement (Ntk)  General asset replacement (Ntk)  General building capex (ENL office, Eastech, Wairoa Depot)  *Include additional rows if needed  All other routine expenditure projects or programmes  Routine expenditure  Atypical expenditure  Project or programme*  GIS Thin Client Softwaret  Plan Plotter/Printer replacement  Property Capital Projects (ENL Carnarvon St office refurb)  Property Capital Projects (ENL Carnarvon St security fence upgrade)  Property Capital Projects (ENL Carnarvon St earthquake strengthening)  Outage app  New billing system  *include additional rows if needed  All other atypical projects (ENL Carnarvon St earthquake strengthening)  Outage app  New billing system  *include additional rows if needed  All other atypical projects (ENL Carnarvon St earthquake strengthening)  Outage app  New billing system  *include additional rows if needed  All other atypical projects or programmes		31 Mar 20  5000 (in constant price  341  341  341  16  60  20  20  20  116  50  15  150  20  30  30  55  15  50  20  30	31 March 21 25) 341 341 341 16 20 18	341 341 341 341 341 341 341 341 341 341	31 March 23  341  341  341  10 60 20 20 20  110	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
	162 163 164 166 170 171 172 173 174 175 176 177 178 189 180 181 182 185 186 187 188 189 190 193 194	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety  Replace 11kV SWGR Matawhero, Kalit, Kiwi & Parkinson  *Include additional rows if needed  All other reliability, safety and environment projects or programmes  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets  Routine expenditure  Project or programme*  Test instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ 560k each (Ntk)  General asset replacement (Ntk)  General asset replacement (Ntk)  General building capex (ENL office, Eastech, Wairoa Depot)  *Include additional rows if needed  All other routine expenditure projects or programmes  Routine expenditure  Atypical expenditure  Project or programme*  GIS Thin Client Softwaret  Plan Plotter/Printer replacement  Property Capital Projects (ENL Carnarvon St office refurb)  Property Capital Projects (ENL Carnarvon St security fence upgrade)  Property Capital Projects (ENL Carnarvon St earthquake strengthening)  Outage app  New billing system  *include additional rows if needed  All other atypical projects (ENL Carnarvon St earthquake strengthening)  Outage app  New billing system  *include additional rows if needed  All other atypical projects (ENL Carnarvon St earthquake strengthening)  Outage app  New billing system  *include additional rows if needed  All other atypical projects or programmes		31 Mar 20  5000 (in constant price  341  341  341  16  60  20  20  20  116  50  15  150  20  30  30  55  15  50  20  30	31 March 21 25) 341 341 341 16 20 18	341 341 341 341 341 341 341 341 341 341	31 March 23  341  341  341  10 60 20 20 20  110	31 March 24	31 March 25	31 March 26 330 330 330 330 330 10 60 20 20	31 March 27  330  330  330  - 330  10  60  20  20	31 March 28  330  330  330  - 330  10  60  20  20	31 March 29	31 March 30
	162 163 164 166 170 171 172 173 174 175 176 177 188 189 190 193 194	11a(viii): Other Reliability, Safety and Environment  Project or programme*  Service Fuse Boxes & Meter Bds to Replace Galv Meter Box (Asbestos), 100pa from 2017- Safety Replace 11kV SWGR Matawhero, Kalti, Kivi & Parkinson  *Include additional rows if needed All other reliability, safety and environment projects or programmes Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  11a(ix): Non-Network Assets Routine expenditure  Project or programme*  Test instrument & Safety Equipment, (inc Lone worker 19/20 additional/upgrade)  Vehicle Replacement @ 560k each (Ntk) General asset replacement (Ntk) General asset replacement (Ntk) General building capex (ENt. office, Eastech, Wairoa Depot)  *Include additional rows if needed All other routine expenditure  Project or programme*  GIS Thin Client Softwaret  Plan Plotter/Printer replacement Property Capital Projects (ENt. Carnarvon St office refurb) Property Capital Projects (ENt. Carnarvon St security fence upgrade) Property Capital Projects (Sariarvon St security fence upgrade) Property Capital Projects (Wairoa office & w/shop refurb) Solar PV trial (Carnarvon & tx Wairoa defer from 2016/17) Home EV Charget trial (half cost with Energy Solutions) Property Capital Projects (ENt. Carnarvon St earthquake strengthening) Outage app New billing system  *Include additional rows if needed All other atypical projects (ENt. Carnarvon St earthquake strengthening)  Outage app New billing system  *Include additional rows if needed All other atypical projects (ENt. Carnarvon St earthquake strengthening)		31 Mar 20  \$000 (in constant price 341 341 341 - 341 - 16 60 20 20 116 50 15 150 20 30 - 555 15 50 - 50 - 15 5	31 March 21  25)  341  341  341  -  341  -  341  -  -  -  -  -  -  -  -  -  -  -  -  -	31 March 22  341	31 March 23  341  341	31 March 24	10 60 20 110	31 March 26	31 March 27  330  330  330  10  60  20  20  110	31 March 28  330  330  330  330  10  60  20  20  110	31 March 29	31 March 30

Company Name

Eastland Network Limited AMP Planning Period 1 April 2020 - 1 April 2030

#### 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).

Current Year Cur	
Part	1.1717 1.1951
Service Interruption and emergencies   1,164   1,167   1,167   1,167   1,157   1,157   1,158   1,168   1,169	CY+10
Service interruptions and emergencies	h 29 31 March 30
Service interruptions and emergencies	
Material	1,653 1,686
Moutine & Corrective Maint & Impaction   1,570   1,486   1,433   1,654   1,491   1,088   1,535   1,733   1,564   1,525   1,415   1,725   1,723   1,725   1,7	1,248 1,273
Asst replacement and renewal   1,907   1,101   1,135   1,181   1,181   1,079   1,107	1,248 1,273
Network Ope	1,785 1,815
System operations and network support   2,010   2,202   2,202   2,207   2,208   2,200   2,20	6,507 6,452
Business support   Business su	2.820 3.013
Non-network opex	4,427 4,515
1,914   1,930   12,058   12,058   12,058   12,058   12,058   12,058   12,058   12,058   13,000   12,	7,247 7,528
Current Year Composition   Current Year Compos	13,754 13,980
Service Interruptions and emergencies   31 Marc 20   31 March 22   31 March 25   31 March 25   31 March 26   31 March 27   31 March 28   31	,
Service interruptions and emergencies   1,364   1,387   1,411   1,41	CY+10
Service interruptions and emergencies	h 29 31 March 30
Service interruptions and emergencies	
Vegetation management	
Routine & Corrective Maint & Inspection   1.520	1,411 1,411
Asset replacement and renewal  Network Opex System operations and network support  2,010	1,065 1,065
Network Opex	1,555 1,405
System operations and network support	1,524 1,519
Business support	5,554 5,399
Non-network operational expenditure   G,108   G,170   G,152   G,111   G,303   G,274   G,228   G,236   G,219	2,407 2,521
Subcomponents of operational expenditure (where known)   Subcomponents of operations of o	3,778 3,778
Subcomponents of operational expenditure (where known)	6,185 6,299
Energy efficiency and demand side management, reduction of energy   Source   Sourc	11,739 11,698
Service interruptions and emergencies   N/A	
Direct billing   Ni/A	<u> </u>
Research and Development	N/A N/A
Insurance	N/A N/A
37   Direct billing expenditure by suppliers that direct bill the majority of their consumers   Current Year CY   CY=1   CY=2   CY=3   CY+4   CY+5   CY+6   CY-7   CY+8   CY+9     40   for year ended   31 March   21   31 March   22   31 March   23   31 March   24   31 March   25   31 March   25   31 March   26   31 March   27   31 March   28   27     41   Difference between nominal and real forecasts   Soon	N/A N/A
Current Year CY	312 312
39 Current Year CY CY+1 CY+2 CY+3 CY+4 CY+5 CY+6 CY+7 CY+8 CY+9 40 for year ended 3 1M arch 2 31 March 2 31 Ma	
For year ended   31 Mar 20   31 March 21   31 March 23   31 March 23   31 March 25   31 March 25   31 March 26   31 March 27   31 March 28   31 March 28   31 March 24   31 March 26   31 March 27   31 March 27   31 March 28	CY+10
41         Difference between nominal and real forecasts         \$000           42         Service interruptions and emergencies         -         -         28         57         86         116         147         178         210           43         Vegetation management         -         -         21         43         65         88         111         134         158           44         Routine and corrective maintenance and inspection         -         -         28         64         86         128         146         196         214	
42 Service interruptions and emergencies	
43         Vegetation management         -         -         21         43         65         88         111         134         158           44         Routine and corrective maintenance and inspection         -         28         64         86         128         146         196         214	242 275
44 Routine and corrective maintenance and inspection - 28 64 86 128 146 196 214	183 208
	267 274
	262 296
46 Network Opex - 113 235 344 460 565 702 810	953 1,053
47 System operations and network support 47 94 155 206 255 310 363	413 492
48 Business support - 76 153 231 311 393 477 562	649 737
49 Non-network opex - 123 247 386 517 648 787 925	1,062 1,229
50 Operational expenditure - 236 482 730 977 1,213 1,489 1,734	2,015 2,282

Company Name Eastland Network Limited

AMP Planning Period 1 April 2020 – 31 March 2030

## 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)

rej	version 1.2 (Drajt)													% of asset forecast	
7									Asset	Condition at end of y	ear (percentage by gr	rade)		to	
0	Voltage	Accet category	Asset class	Units	Quantity	Ava ago	group 4 quantity group1 annual rep group2 = group1 x3 5 year=target rate*5	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade unknown	to be replaced in	Data accuracy (1–4)
0	voitage	Asset category	Asset tidass	Onits	Quantity	Avg age	group 4 quantity rate group2 = group1 x3 rate*5	Grade 1	Graue 2	Grade 5	Grade 4	Grade 5	Grade unknown	next 5 years	Data accuracy (1-4)
9	All	Overhead Line	Concrete poles / steel structure	No.	16467	22		_	1%	33%	46%	20%	-	1%	1
10	All	Overhead Line	Wood poles	No.	17610	38		3%	43%	27%	19%	9%	-	22%	1
11	All	Overhead Line	Other pole types	No.	0	0		-	_	-	-	_	-	_	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	334.8191871	48		_	-	88%	11%	0%	-		1
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	307.1014252	54		-	6%	94%	0%	0%	_	_	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1.4	0		-	_	-	100%	_	_	_	1
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	0	0		-	_	-	-	_	-	_	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	0	0		-	_	-	-	_	-	_	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	0	0		-	-	-	-	_	-		4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	0	0		_	_	_	_	_	-	_	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	0	0		-	-	-	-	_	-		4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	0	0		_	_	_	_	_	-	_	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	0	0		-	-	-	-	_	-		4
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	0	0		-	-	-	-	_	-		4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	16	0		_	6%	50%	38%	6%	_		1
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	14	0		-	7%	64%	21%	7%	_		1
25	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	0	0		-	-	-	_	_	-		4
26	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	0		-	-	-	100%	_	_		1
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	0	0		-	-	-	-		-		4
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	0	0		-	-	-	_		-		4
29	HV	Zone substation switchgear	33kV RMU	No.	0	0		-	-	-	-		-		4
30	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	0	0		-	-	-	-		-		4
31	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	50	0		2%	10%	10%	34%	44%	_	10%	1
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	110	0		-	26%	15%	36%	23%	_	18%	1
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	7	0		-	-	71%	29%		_		1
34	HV	ZoneSubstation Transformer	Zone Substation Transformers	No.	52	43		8%	31%	19%	31%	12%	-	10%	1
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2281.330791	51		_	7%	83%	8%	2%	_	2%	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	0	0		_	-		-		-	_	4
37	HV	Distribution Line	SWER conductor	km	0.71	0		-	-	100%	-	-	_		1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	34.88	0		_	5%	37%	29%	29%	_		1
39	HV	Distribution Cable	Distribution UG PILC	km	101.8	0		-	2%	52%	43%	3%	_		1
40	HV	Distribution Cable	Distribution Submarine Cable	km	47	0		- 9%	15%	60%	9%	9%		21%	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	47	0		370				9%		21%	1
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	NO.	73	0		12%	7%	22%	59%			70/	1
43	HV HV	Distribution switchgear Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted) 3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No. No.	4402 73	0		24%	27%	10% 19%	25% 78%	14%		1%	1
44	HV		3.3/6.6/11/22kV SWItch (ground mounted) - except kivio	NO.	289	0		1%	1%	28%	78% 44%	26%		11%	1
45	HV	Distribution switchgear Distribution Transformer	Pole Mounted Transformer	No.	289	31		20/.	30%	28%	22%	18%		8%	1
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	584	21		00/.	14%	12%	73%	0%		6%	1
48	HV	Distribution Transformer	Voltage regulators	No.	10	42		_	50%	30%	20%			- 076	1
19	HV	Distribution Substations	Ground Mounted Substation Housing	No.	584	21		00/	14%	12%	73%	- 0%	_	6%	1
50	LV	LV Line	LV OH Conductor	km	484.659738	50		5%	12%	35%	40%	8%		1%	1
51	IV	LV Cable	LV UG Cable	km	272.323018	30		1%	40%	43%	8%	8%	_		1
52	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km	21.7	0		_	+0%	3%	41%	56%	_		1
53	IV	Connections	OH/UG customer service connections	No.	13728	0		_	_	12%	61%	28%	_	_	1
54	Secondary assets		Protection relays (electromechanical, solid state and numeric)	No.	205	15		_	5%	60%	34%	_	_	10%	1
55	Secondary assets		SCADA and communications equipment including single systems	No.	1141	0		5%	12%	47%	36%	_	_	25%	1
56	All	Capacitor Banks	Capacitors including controls	No.	1	0		_	-	100%	-	_	_	-	1
57	Other	Load Control	Centralised plant	Lot	2	0		_	100%	_	_	_	_	50%	1
58	Other	Load Control	Relays	No	0	0		_	0%	1%	60%	39%	_	-	1
59	Other	Civils	Cable Tunnels	ķm	0	0		_	_	_	_	_	100%	_	4
60					-	-							23070		

IEDULE 12b: REPORT ON FORECAST CAP thedule requires a breakdown of current and forecast capacity at to the operation of the network in its normal steady state configure.	nd utilisation for each zone substation and cu	rrent distribution transformer o	apacity. The data provided should	d be consistent with the	e information provided	d in the AMP. Informa	Company Name AMP Planning Period tion provided in this table should	Eastland Network Limited 1 April 2020 - 31 March 2030
12b(i): System Growth - Zone Substations  Existing Zone Substations	Current Peak Load (MVA)	Installed Firm Security Capacity Classif (MVA) (ty)	cation Transfer Capacity	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 Switche	1	-	-	-	Transformer	Constraint supported by Generation AMP 4.2.2.4
Ruatoria	1	- N-1 Switche	1	-	-	-	Transformer	Constraint supported by Generation AMP 4.2.2.4
Tokomaru	1	- N-1 Switche	1 2	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP 4.2.2.4
Tolaga	1	- N-1 Switche	1	-	-	-	Transformer	Constraint supported by Generation AMP 4.2.2.4
Kaiti	7	- N-1 Switche	i 8	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP 4.2.2.4
Port	8	- N-1 Switche	i 8	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP 4.2.2.4
Gisborne	48	60 N-1		80%	60	75%	No constraint within +5 years	
Carnarvon Parkinson	15	13 N-1	8	118% 81%	13	90%	No constraint within +5 years No constraint within +5 years	Current Peak caused when load transferred to site during contengency Constraint Suported by adjacent Substations AMP 4.2.2.4
	10	- N-1 Switche		81%	15	3/70	Transformer	
Makaraka				-	-	-		Constraint Suported by adjacent Substations AMP 4.2.2.4
Patutahi	4	- N-1 Switche		-	-	-	Transformer	Constraint Suported by adjacent Substations AMP 4.2.2.4
Pehiri	1	- N-1 Switche		-	-	-	Transformer	Constraint Suported by adjacent Substations AMP 4.2.2.4
Ngatapa	0	- N-1 Switche		-	-	-	Transformer	Constraint Suported by adjacent Substations AMP 4.2.2.4
Puha	2	- N-1 Switche	i 3	-	-	-	Transformer	Constraint supported by Generation AMP 4.2.2.4
JNL	5	- N-1 Switche	1 8	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP 4.2.2.4
Matawhero	4	5 N-1		72%	5	70%	No constraint within +5 years	Current Peak caused when load transferred to site during contengence
Tuai	1	5 N	-	12%	-	-	Transformer	Portable Generation Used for extended repair times AMP 4.2.2.4
Kiwi	5	7 N		74%			Transformer	Generation Infeed
Wairoa	7	10 N-1		69%	10	102%		Constraint Suported by Generation AMP 4.2.2.4
Blacks pad	1	- N-1 Switche		-	-	-	Transformer	Constraint supported by Generation AMP 4.2.2.4
Tahaenui	1	- N-1 Switche	1	-	-	-	Transformer	Constraint Suported by adjacent Substations AMP 4.2.2.4
Waihi	5	7 N		74%	-	-	Transformer	Generation Infeed
Textend forecast capacity table as necessary to disc 12b(ii): Transformer Capacity  Distribution transformer capacity (EDB owned)  Distribution transformer capacity (Non-EDB owned)  Total distribution transformer capacity	(MVA)							
Zone substation transformer capacity	330							

Company Name **Eastland Network Limited** AMP Planning Period 1 April 2020 - 31 March 2030

## SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

ch ref								
7	12c(i): Consumer Connections							
8 9 10	Number of ICPs connected in year by consumer type	faccionarandad	Current Year CY 31 Mar 20	CY+1	Number of co	CY+3	CY+4	CY+5
11	Consumer types defined by EDB*	for year ended	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25
12	Domestic	Г	19,394	19,432	19,470	19,510	19,900	20,298
13	Non Domestic		6,059	6,071	6,082	6,095	6,217	6,341
14	Non Domestic Large		45	45	45	45	45	45
15	Non Domestic Industrial		4	4	4	4	4	
16	[EDB consumer type]							
17	Connections total		25,502	25,552	25,601	25,654	26,167	26,689
18	*include additional rows if needed	_						
19	Distributed generation	_						
20	Number of connections		477	727	927	1,127	1,352	1,48
21	Installed connection capacity of distributed generation (MVA)		16	16	16	16	16	1
22	12c(ii) System Demand		Comment Vern CV	CV.1	CY+2	CV.2	CV. A	CY+5
23 24	Maximum coincident system demand (MW)	for year ended	Current Year CY 31 Mar 20	CY+1 31 Mar 21	31 Mar 22	<i>CY+3</i> <b>31 Mar 23</b>	CY+4 31 Mar 24	31 Mar 25
25	GXP demand	Tor year ended	57	59	61	62	63	31 Wiai 23
26	plus Distributed generation output at HV and above		5	6	6	6	6	
27	Maximum coincident system demand		62	65	67	68	69	7
28	less Net transfers to (from) other EDBs at HV and above		02	0.5	0,	00	00	
29	Demand on system for supply to consumers' connection points		62	65	67	68	69	7
30	Electricity volumes carried (GWh)	-		•				
31	Electricity volumes carried (GWVII)  Electricity supplied from GXPs		294	295	296	298	300	30
32	less Electricity exports to GXPs		-	233	290	238	300	30
33	plus Electricity supplied from distributed generation		17	17	17	17	17	1
34	less Net electricity supplied to (from) other EDBs		-	-	-			
35	Electricity entering system for supply to ICPs		311	312	313	314	317	31
36	less Total energy delivered to ICPs		281	282	283	284	285	28
37	Losses	t	30	30	30	30	32	5
38 39	Load factor		57.19%	54.71%	53.24%	52.78%	52.41%	51.99%

6

			Co	ompany Name	Eas	tland Network	
			AMP PI	lanning Period		2020 - 2030	
			Network / Sub-r	network Name		Total	
	HEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION						
	s schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should b DI on the expenditures forecast provided in Schedule 11a and Schedule 11b.	e consistent with the suppor	ting intormation set o	ut in the AMP as well a	as the assumed impac	t of planned and unpla	anned SAIFI and
sch re	f						
8		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
8 9 10	SAIDI	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
8 9 10 11	SAIDI  Class B (planned interruptions on the network)	Current Year CY 40.0	CY+1 258.1	CY+2 258.1	CY+3 258.1	CY+4 258.1	CY+5 258.1
11 12	Class B (planned interruptions on the network) Class C (unplanned interruptions on the network)	40.0	258.1	258.1	258.1	258.1	258.1
11	Class B (planned interruptions on the network)	40.0	258.1	258.1	258.1	258.1	258.1

			C	ompany Name	Eas	tland Network	
			AMP P	lanning Period		2020 - 2030	
			Network / Sub-	network Name		Gisborne	
SCI	HEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION						
	schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should I on the expenditures forecast provided in Schedule 11a and Schedule 11b.	be consistent with the suppor	ting information set o	out in the AMP as well a	as the assumed impac	t of planned and unpla	anned SAIFI and
- Ĭ							
8		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
8 9 10	SAIDI	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
8 9 10 11	SAIDI Class B (planned interruptions on the network)	Current Year CY	CY+1 129.1	CY+2 129.1	CY+3 129.1	CY+4 129.1	CY+5 129.1
						-	
11	Class B (planned interruptions on the network)	22.0	129.1	129.1	129.1	129.1	129.1
11 12	Class B (planned interruptions on the network) Class C (unplanned interruptions on the network)	22.0	129.1	129.1	129.1	129.1	129.1

			C	ompany Name	Eas	tland Network	
			AMP P	lanning Period		2020 - 2030	
			Network / Sub-	network Name		Wairoa	
SC	HEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION						
	schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should I II on the expenditures forecast provided in Schedule 11a and Schedule 11b.	oe consistent with the suppor	ting information set o	out in the AMP as well a	as the assumed impac	ct of planned and unpla	anned SAIFI and
8		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
8 9 10	SAIDI	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
8 9 10 11	SAIDI Class B (planned interruptions on the network)	Current Year CY	CY+1 129.1	CY+2 129.1	CY+3 129.1	CY+4 129.1	CY+5
						-	
11	Class B (planned interruptions on the network)	22.0	129.1	129.1	129.1	129.1	129.1
11 12	Class B (planned interruptions on the network) Class C (unplanned interruptions on the network)	22.0	129.1	129.1	129.1	129.1	129.1

# **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%