EDB Information Disclosure Requirements
Information Templates
for
Schedules 1–10

Company Name	Firstlight Network
Disclosure Date	31 August 2023
Disclosure Year (year ended)	31 March 2023

Templates for Schedules 1–10 excluding 5f–5g
Template Version 5.1. Prepared 24 November 2022

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Company Name	**Firstlight Network**
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SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.

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

sch ref

7 1(i): Expenditure metrics

sch ref		Expenditure per GWh energy delivered to ICPs ($/GWh)	Expenditure per average no. of ICPs ($/ICP)	Expenditure per MW maximum coincident system demand ($/MW)	Expenditure per km circuit length ($/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers ($/MVA)
8						
9	**Operational expenditure**	45,029	498	235,078	3,268	70,585
10	Network	21,520	238	112,345	1,562	33,733
11	Non-network	23,509	260	122,733	1,706	36,852
12						
13	**Expenditure on assets**	53,165	588	277,552	3,859	83,339
14	Network	52,941	586	276,385	3,843	82,989
15	Non-network	223	2	1,166	16	350
16						

17 1(ii): Revenue metrics

sch ref		Revenue per GWh energy delivered to ICPs ($/GWh)	Revenue per average no. of ICPs ($/ICP)
18			
19	**Total consumer line charge revenue**	104,635	1,158
20	Standard consumer line charge revenue	104,635	1,158
21	Non-standard consumer line charge revenue	–	–
22			

23 1(iii): Service intensity measures

sch ref			
24			
25	Demand density	14	*Maximum coincident system demand per km of circuit length (for supply) (kW/km)*
26	Volume density	73	*Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)*
27	Connection point density	7	*Average number of ICPs per km of circuit length (for supply) (ICPs/km)*
28	Energy intensity	11,068	*Total energy delivered to ICPs per average number of ICPs (kWh/ICP)*
29			

30 1(iv): Composition of regulatory income

sch ref		($000)	% of revenue
31			
32	Operational expenditure	12,894	42.54%
33	Pass-through and recoverable costs excluding financial incentives and wash-ups	6,492	21.42%
34	Total depreciation	7,106	23.44%
35	Total revaluations	12,500	41.24%
36	Regulatory tax allowance	1,333	4.40%
37	Regulatory profit/(loss) including financial incentives and wash-ups	14,986	49.44%
38	**Total regulatory income**	30,310	
39			

40 1(v): Reliability

sch ref			
41			
42	Interruption rate	25.45	*Interruptions per 100 circuit km*

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SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).
EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref		CY-2	CY-1	Current Year CY
7	**2(i): Return on Investment**			
8		31 Mar 21	31 Mar 22	31 Mar 23
9	**ROI – comparable to a post tax WACC**	%	%	%
10	Reflecting all revenue earned	3.84%	9.41%	7.97%
11	Excluding revenue earned from financial incentives	3.74%	9.37%	7.97%
12	Excluding revenue earned from financial incentives and wash-ups	3.74%	9.37%	8.01%
13				
14	**Mid-point estimate of post tax WACC**	3.71%	3.52%	3.52%
15	25th percentile estimate	3.04%	2.84%	2.84%
16	75th percentile estimate	4.40%	4.20%	4.20%
17				
18				
19	**ROI – comparable to a vanilla WACC**			
20	Reflecting all revenue earned	4.17%	9.71%	8.27%
21	Excluding revenue earned from financial incentives	4.07%	9.66%	8.27%
22	Excluding revenue earned from financial incentives and wash-ups	4.07%	9.66%	8.30%
23				
24	**WACC rate used to set regulatory price path**	4.57%	4.57%	4.57%
25				
26	**Mid-point estimate of vanilla WACC**	4.05%	3.82%	3.82%
27	25th percentile estimate	3.37%	3.14%	3.14%
28	75th percentile estimate	4.73%	4.50%	4.50%
29				

30		**2(ii): Information Supporting the ROI**		**($000)**	
31					
32		Total opening RAB value	188,035		
33	*plus*	Opening deferred tax	(10,980)		
34		**Opening RIV**		177,056	
35					
36		**Line charge revenue**		29,963	
37					
38		Expenses cash outflow	19,386		
39	*add*	Assets commissioned	16,078		
40	*less*	Asset disposals	24		
41	*add*	Tax payments	(2,131)		
42	*less*	Other regulated income	348		
43		**Mid-year net cash outflows**		32,962	
44					
45		**Term credit spread differential allowance**		–	
46					
47		Total closing RAB value	209,446		
48	*less*	Adjustment resulting from asset allocation	–		
49	*less*	Lost and found assets adjustment	(38)		
50	*plus*	Closing deferred tax	(14,444)		
51		**Closing RIV**		195,041	
52					
53		**ROI – comparable to a vanilla WACC**			8.27%
54					
55		Leverage (%)			42%
56		Cost of debt assumption (%)			2.54%
57		Corporate tax rate (%)			28%
58					
59		**ROI – comparable to a post tax WACC**			7.97%
60					

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SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

sch ref

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

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

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

sch ref		
94	**Year-end ROI – comparable to a vanilla WACC**	8.15%
96	**Year-end ROI – comparable to a post tax WACC**	7.85%

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

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

sch ref			
102	Net recoverable costs allowed under incremental rolling incentive scheme	–	
103	Purchased assets – avoided transmission charge		
104	Energy efficiency and demand incentive allowance		
105	Quality incentive adjustment	(17)	
106	Other financial incentives		
107	**Financial incentives**		(17)
109	**Impact of financial incentives on ROI**		–0.01%
111	Input methodology claw-back		
112	CPP application recoverable costs		
113	Catastrophic event allowance		
114	Capex wash-up adjustment	(79)	
115	Transmission asset wash-up adjustment		
116	2013–15 NPV wash-up allowance		
117	Reconsideration event allowance		
118	Other wash-ups		
119	**Wash-up costs**		(79)
121	**Impact of wash-up costs on ROI**		–0.03%

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SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref			
7		**3(i): Regulatory Profit**	**($000)**
8		**Income**	
9		Line charge revenue	29,963
10	*plus*	Gains / (losses) on asset disposals	5
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)	342
12			
13		**Total regulatory income**	30,310
14		**Expenses**	
15	*less*	Operational expenditure	12,894
16			
17	*less*	Pass-through and recoverable costs excluding financial incentives and wash-ups	6,492
18			
19		**Operating surplus / (deficit)**	10,924
20			
21	*less*	Total depreciation	7,106
22			
23	*plus*	Total revaluations	12,500
24			
25		**Regulatory profit / (loss) before tax**	16,319
26			
27	*less*	Term credit spread differential allowance	–
28			
29	*less*	Regulatory tax allowance	1,333
30			
31		**Regulatory profit/(loss) including financial incentives and wash-ups**	14,986
32			

sch ref			
33	**3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups**	**($000)**	
34	**Pass through costs**		
35	Rates	248	
36	Commerce Act levies	93	
37	Industry levies	67	
38	CPP specified pass through costs		
39	**Recoverable costs excluding financial incentives and wash-ups**		
40	Electricity lines service charge payable to Transpower	5,582	
41	Transpower new investment contract charges	75	
42	System operator services		
43	Distributed generation allowance	402	
44	Extended reserves allowance		
45	Other recoverable costs excluding financial incentives and wash-ups	25	
46	**Pass-through and recoverable costs excluding financial incentives and wash-ups**		6,492
47			

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SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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sch ref

48 3(iii): Incremental Rolling Incentive Scheme

sch ref			**($000)**	
49			**CY-1**	**CY**
50			**31 Mar 22**	**31 Mar 23**
51	Allowed controllable opex			
52	Actual controllable opex			
53				
54	Incremental change in year			
55				
56			**Previous years' incremental change**	**Previous years' incremental change adjusted for inflation**
57	CY-5	31 Mar 18		
58	CY-4	31 Mar 19		
59	CY-3	31 Mar 20		
60	CY-2	31 Mar 21		
61	CY-1	31 Mar 22		
62	**Net incremental rolling incentive scheme**			–
63				
64	**Net recoverable costs allowed under incremental rolling incentive scheme**			–

65 3(iv): Merger and Acquisition Expenditure

70		**($000)**
66	Merger and acquisition expenditure	
67		

68 *Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)*

69 3(v): Other Disclosures

70		**($000)**
71	Self-insurance allowance	

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

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

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

sch ref			RAB	RAB	RAB	RAB	RAB
7		for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**
8			**($000)**	**($000)**	**($000)**	**($000)**	**($000)**
10		**Total opening RAB value**	154,613	161,678	166,070	172,870	188,035
11							
12	*less*	**Total depreciation**	6,089	6,248	6,483	6,504	7,106
13							
14	*plus*	**Total revaluations**	2,288	4,044	2,518	11,955	12,500
15							
16	*plus*	**Assets commissioned**	11,756	8,529	10,983	9,630	16,078
17							
18	*less*	**Asset disposals**	162	–	–	88	24
19							
20	*plus*	**Lost and found assets adjustment**	–	–	–	(21)	(38)
21							
22	*plus*	**Adjustment resulting from asset allocation**	(728)	(1,931)	(219)	193	–
23							
24		**Total closing RAB value**	161,678	166,070	172,870	188,035	209,446
25							

26 4(ii): Unallocated Regulatory Asset Base

sch ref			Unallocated RAB *		RAB	
28			($000)	($000)	($000)	($000)
29		**Total opening RAB value**		190,982		188,035
30	*less*					
31		**Total depreciation**		7,106		7,106
32	*plus*					
33		**Total revaluations**		12,696		12,500
34	*plus*					
35		Assets commissioned (other than below)	16,078		16,078	
36		Assets acquired from a regulated supplier				
37		Assets acquired from a related party				
38		**Assets commissioned**		16,078		16,078
39	*less*					
40		Asset disposals (other than below)	24		24	
41		Asset disposals to a regulated supplier				
42		Asset disposals to a related party				
43		**Asset disposals**		24		24
44						
45	*plus*	**Lost and found assets adjustment**		(38)		(38)
46						
47	*plus*	**Adjustment resulting from asset allocation**				–
48						
49		**Total closing RAB value**		212,590		209,446

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

50

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

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

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

sch ref

51

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

sch ref			Unallocated RAB *		RAB	
53						
54		CPI_4				1,218
55		CPI_4^{-4}				1,142
56		Revaluation rate (%)				6.65%
57						
58						
59			($000)	($000)	($000)	($000)
60		Total opening RAB value	190,982		188,035	
61	*less*	Opening value of fully depreciated, disposed and lost assets	204		204	
62						
63		Total opening RAB value subject to revaluation	190,778		187,831	
64		**Total revaluations**		12,696		12,500
65						

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

sch ref			Unallocated works under construction		Allocated works under construction	
67						
68		**Works under construction—preceding disclosure year**		3,140		1,209
69	*plus*	Capital expenditure	15,224		15,224	
70	*less*	Assets commissioned	16,078		16,078	
71	*plus*	Adjustment resulting from asset allocation			–	
72		**Works under construction - current disclosure year**		2,285		355
73						
74		Highest rate of capitalised finance applied				
75						

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

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

sch ref

4(v): Regulatory Depreciation

sch ref		Unallocated RAB *		RAB	
78		($000)	($000)	($000)	($000)
79	Depreciation - standard	7,106		7,106	
80	Depreciation - no standard life assets				
81	Depreciation - modified life assets				
82	Depreciation - alternative depreciation in accordance with CPP				
83	**Total depreciation**		7,106		7,106
84					

4(vi): Disclosure of Changes to Depreciation Profiles

($000 unless otherwise specified)

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

95 ** include additional rows if needed*

4(vii): Disclosure by Asset Category

($000 unless otherwise specified)

sch ref			Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99		**Total opening RAB value**	19,506	1,534	27,389	67,266	28,951	19,314	9,700	5,509	8,866	188,035
100	*less*	Total depreciation	742	39	1,113	2,187	882	759	452	462	469	7,106
101	*plus*	Total revaluations	1,298	102	1,822	4,472	1,926	1,284	645	366	585	12,500
102	*plus*	Assets commissioned	1,978	–	3,289	7,859	512	641	537	1,162	100	16,078
103	*less*	Asset disposals	–	–	–	–	–	–	–	–	24	24
104	*plus*	Lost and found assets adjustment	–	–	–	–	–	–	–	–	(38)	(38)
105	*plus*	Adjustment resulting from asset allocation	–	–	–	–	–	–	–	–	–	–
106	*plus*	Asset category transfers	–	–	–	–	–	–	–	–	–	–
107		**Total closing RAB value**	22,040	1,597	31,387	77,410	30,507	20,479	10,431	6,575	9,020	209,446
108												
109		**Asset Life**										
110		Weighted average remaining asset life	40	38	33	41	40	31	26	15	15	(years)
111		Weighted average expected total asset life	56	54	44	56	59	45	38	22	22	(years)

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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref				
7	**5a(i): Regulatory Tax Allowance**			**($000)**
8	**Regulatory profit / (loss) before tax**			16,319
9				
10	*plus* Income not included in regulatory profit / (loss) before tax but taxable		*	
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	4	*	
12	Amortisation of initial differences in asset values	1,901		
13	Amortisation of revaluations	904		
14				2,808
15				
16	*less* Total revaluations	12,500		
17	Income included in regulatory profit / (loss) before tax but not taxable		*	
18	Discretionary discounts and customer rebates			
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*	
20	Notional deductible interest	1,865		
21				14,365
22				
23	**Regulatory taxable income**			4,761
24				
25	*less* Utilised tax losses			
26	Regulatory net taxable income			4,761
27				
28	Corporate tax rate (%)	28%		
29	**Regulatory tax allowance**			1,333
30				
31	* Workings to be provided in Schedule 14			
32	**5a(ii): Disclosure of Permanent Differences**			
33	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).			
34	**5a(iii): Amortisation of Initial Difference in Asset Values**			**($000)**
35				
36	Opening unamortised initial differences in asset values	37,974		
37	*less* Amortisation of initial differences in asset values	1,901		
38	*plus* Adjustment for unamortised initial differences in assets acquired			
39	*less* Adjustment for unamortised initial differences in assets disposed			
40	Closing unamortised initial differences in asset values			36,073
41				
42	Opening weighted average remaining useful life of relevant assets (years)			20
43				

Company Name	**Firstlight Network**
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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref				($000)
44		**5a(iv): Amortisation of Revaluations**		**($000)**
45				
46		Opening sum of RAB values without revaluations	161,992	
47				
48		Adjusted depreciation	6,202	
49		Total depreciation	7,106	
50		Amortisation of revaluations		904
51				
52		**5a(v): Reconciliation of Tax Losses**		**($000)**
53				
54		**Opening tax losses**		
55	*plus*	Current period tax losses		
56	*less*	Utilised tax losses		
57		**Closing tax losses**		–
58		**5a(vi): Calculation of Deferred Tax Balance**		**($000)**
59				
60		**Opening deferred tax**	(10,980)	
61				
62	*plus*	Tax effect of adjusted depreciation	1,736	
63				
64	*less*	Tax effect of tax depreciation	4,770	
65				
66	*plus*	Tax effect of other temporary differences*	95	
67				
68	*less*	Tax effect of amortisation of initial differences in asset values	532	
69				
70	*plus*	Deferred tax balance relating to assets acquired in the disclosure year		
71				
72	*less*	Deferred tax balance relating to assets disposed in the disclosure year	(7)	
73				
74	*plus*	Deferred tax cost allocation adjustment	–	
75				
76		**Closing deferred tax**		(14,444)
77				
78		**5a(vii): Disclosure of Temporary Differences**		
79		*In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).*		
80				
81		**5a(viii): Regulatory Tax Asset Base Roll-Forward**		
82				**($000)**
83		**Opening sum of regulatory tax asset values**	79,160	
84	*less*	Tax depreciation	17,035	
85	*plus*	Regulatory tax asset value of assets commissioned	16,159	
86	*less*	Regulatory tax asset value of asset disposals		
87	*plus*	Lost and found assets adjustment		
88	*plus*	Adjustment resulting from asset allocation		
89	*plus*	Other adjustments to the RAB tax value		
90		**Closing sum of regulatory tax asset values**		78,285

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SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with clause 2.3.6 of the ID determination.
This information is part of audited disclosure information (as defined in clause 1.4 of the ID determination), and so is subject to the assurance report required by clause 2.8.

sch ref

sch ref		($000)	($000)
7	**5b(i): Summary—Related Party Transactions**		
8	**Total regulatory income**		734
9			
10	**Market value of asset disposals**		–
11			
12	Service interruptions and emergencies	–	
13	Vegetation management	–	
14	Routine and corrective maintenance and inspection	–	
15	Asset replacement and renewal (opex)	374	
16	**Network opex**		374
17	Business support	2,784	
18	System operations and network support	–	
19	**Operational expenditure**		3,157
20	Consumer connection	–	
21	System growth	–	
22	Asset replacement and renewal (capex)	–	
23	Asset relocations	–	
24	Quality of supply	–	
25	Legislative and regulatory	–	
26	Other reliability, safety and environment	–	
27	**Expenditure on non-network assets**		–
28	**Expenditure on assets**		–
29	Cost of financing		
30	Value of capital contributions		
31	Value of vested assets		
32	**Capital Expenditure**		–
33	**Total expenditure**		3,157
34			
35	**Other related party transactions**		152

36 5b(iii): Total Opex and Capex Related Party Transactions

sch ref	Name of related party	Nature of opex or capex service provided	Total value of transactions ($000)
38	Eastland Group Limited	Business support	2,784
39	Eastland Generation	Asset replacement and renewal (opex)	374
41	**Total value of related party transactions**		3,157

42 ** include additional rows if needed*

43

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7

8
5c(i): Qualifying Debt (may be Commission only)

9

sch ref	Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Debt issue cost readjustment
11									
12									
13									
14									
15									
16	** include additional rows if needed*						–	–	–

17

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

19

sch ref			
20	**Gross term credit spread differential**		–
21			
22	Total book value of interest bearing debt		
23	Leverage	42%	
24	Average opening and closing RAB values		
25	**Attribution Rate (%)**		–
26			
27	**Term credit spread differential allowance**		–

Company Name **Firstlight Network**

For Year Ended **31 March 2023**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref		Value allocated ($000s)				
7	**5d(i): Operating Cost Allocations**					
8						
9		**Arm's length deduction**	**Electricity distribution services**	**Non-electricity distribution services**	**Total**	**OVABAA allocation increase ($000s)**
10	**Service interruptions and emergencies**					
11	Directly attributable		3,015			
12	Not directly attributable				–	
13	**Total attributable to regulated service**		3,015			
14	**Vegetation management**					
15	Directly attributable		1,021			
16	Not directly attributable				–	
17	**Total attributable to regulated service**		1,021			
18	**Routine and corrective maintenance and inspection**					
19	Directly attributable		1,554			
20	Not directly attributable				–	
21	**Total attributable to regulated service**		1,554			
22	**Asset replacement and renewal**					
23	Directly attributable		573			
24	Not directly attributable				–	
25	**Total attributable to regulated service**		573			
26	**System operations and network support**					
27	Directly attributable		2,053			
28	Not directly attributable				–	
29	**Total attributable to regulated service**		2,053			
30	**Business support**					
31	Directly attributable		4,679			
32	Not directly attributable				–	
33	**Total attributable to regulated service**		4,679			
34						
35	**Operating costs directly attributable**		12,894			
36	**Operating costs not directly attributable**	–	–	–	–	–
37	**Operational expenditure**		12,894			
38						

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

39
5d(ii): Other Cost Allocations

sch ref		($000)
40	**Pass through and recoverable costs**	
41	**Pass through costs**	
42	Directly attributable	408
43	Not directly attributable	
44	**Total attributable to regulated service**	408
45	**Recoverable costs**	
46	Directly attributable	6,084
47	Not directly attributable	
48	**Total attributable to regulated service**	6,084
49		

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

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

78 ** a change in cost allocation must be completed for each cost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.*

79 *† include additional rows if needed*

Company Name **Firstlight Network**
For Year Ended **31 March 2023**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

7 5e(i): Regulated Service Asset Values

sch ref		Value allocated ($000s) Electricity distribution services
8		
9		
10	**Subtransmission lines**	
11	Directly attributable	22,040
12	Not directly attributable	
13	**Total attributable to regulated service**	22,040
14	**Subtransmission cables**	
15	Directly attributable	1,597
16	Not directly attributable	
17	**Total attributable to regulated service**	1,597
18	**Zone substations**	
19	Directly attributable	31,387
20	Not directly attributable	
21	**Total attributable to regulated service**	31,387
22	**Distribution and LV lines**	
23	Directly attributable	77,410
24	Not directly attributable	
25	**Total attributable to regulated service**	77,410
26	**Distribution and LV cables**	
27	Directly attributable	30,507
28	Not directly attributable	
29	**Total attributable to regulated service**	30,507
30	**Distribution substations and transformers**	
31	Directly attributable	20,479
32	Not directly attributable	
33	**Total attributable to regulated service**	20,479
34	**Distribution switchgear**	
35	Directly attributable	10,431
36	Not directly attributable	
37	**Total attributable to regulated service**	10,431
38	**Other network assets**	
39	Directly attributable	6,575
40	Not directly attributable	
41	**Total attributable to regulated service**	6,575
42	**Non-network assets**	
43	Directly attributable	9,020
44	Not directly attributable	
45	**Total attributable to regulated service**	9,020
46		
47	**Regulated service asset value directly attributable**	209,446
48	**Regulated service asset value not directly attributable**	–
49	**Total closing RAB value**	209,446
50		

51 5e(ii): Changes in Asset Allocations* †

sch ref				($000) CY-1	($000) Current Year (CY)
52					
53	**Change in asset value allocation 1**				
54	Asset category		Original allocation		
55	Original allocator or line items		New allocation		
56	New allocator or line items		Difference	–	–
57					
58	Rationale for change				
59					
60					
61					
62	**Change in asset value allocation 2**				
63	Asset category		Original allocation		
64	Original allocator or line items		New allocation		
65	New allocator or line items		Difference	–	–
66					
67	Rationale for change				
68					
69					
70					
71	**Change in asset value allocation 3**				
72	Asset category		Original allocation		
73	Original allocator or line items		New allocation		
74	New allocator or line items		Difference	–	–
75					
76	Rationale for change				
77					
78					

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

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.
EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref				
7		**6a(i): Expenditure on Assets**	**($000)**	**($000)**
8		Consumer connection		82
9		System growth		2,690
10		Asset replacement and renewal		11,670
11		Asset relocations		–
12		Reliability, safety and environment:		
13		Quality of supply	705	
14		Legislative and regulatory	4	
15		Other reliability, safety and environment	9	
16		**Total reliability, safety and environment**		718
17		**Expenditure on network assets**		15,160
18		Expenditure on non-network assets		64
19				
20		**Expenditure on assets**		15,224
21	*plus*	Cost of financing		
22	*less*	Value of capital contributions		–
23	*plus*	Value of vested assets		
24				
25		**Capital expenditure**		15,224
26		**6a(ii): Subcomponents of Expenditure on Assets (where known)**		**($000)**
27		Energy efficiency and demand side management, reduction of energy losses		
28		Overhead to underground conversion		
29		Research and development		
30		Cybersecurity (Commission only)		
31		**6a(iii): Consumer Connection**		
32		*Consumer types defined by EDB**	**($000)**	**($000)**
33		Residential	17	
34		Commercial	65	
35		Industrial	–	
36		** include additional rows if needed*		
37		**Consumer connection expenditure**		82
38				
39	*less*	Capital contributions funding consumer connection expenditure		
40		**Consumer connection less capital contributions**		82
41		**6a(iv): System Growth and Asset Replacement and Renewal**		**Asset Replacement and Renewal**
42			**System Growth**	
43			**($000)**	**($000)**
44		Subtransmission	1,826	1,750
45		Zone substations	–	703
46		Distribution and LV lines	790	7,869
47		Distribution and LV cables	–	209
48		Distribution substations and transformers	73	377
49		Distribution switchgear	–	548
50		Other network assets	–	214
51		**System growth and asset replacement and renewal expenditure**	2,690	11,670
52	*less*	Capital contributions funding system growth and asset replacement and renewal		
53		**System growth and asset replacement and renewal less capital contributions**	2,690	11,670
54				
55		**6a(v): Asset Relocations**		
56		*Project or programme**	**($000)**	**($000)**
57				
58		** include additional rows if needed*		
59		All other projects or programmes - asset relocations		
60		**Asset relocations expenditure**		–
61	*less*	Capital contributions funding asset relocations		
62		**Asset relocations less capital contributions**		–

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.
EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref				
63				
64		**6a(vi): Quality of Supply**		
65		*Project or programme**	**($000)**	**($000)**
66		SCADA Master Station Development	59	
67		11kV Field Recloser Automation Plan - additions	26	
68		Generator purchase (350kVA Container)	467	
69		Gen1 Te Araroa	20	
70		Mahia Genset - Muffler Replacement	27	
71		Ruatoria Genset - Radiator Rebuild	39	
72		Te Araroa Genset - Radiator Rebuild	33	
73		Tolaga Bay - Radiator Rebuild	34	
74		** include additional rows if needed*		
75		All other projects programmes - quality of supply		
76		**Quality of supply expenditure**		705
77	*less*	Capital contributions funding quality of supply		
78		**Quality of supply less capital contributions**		705
79		**6a(vii): Legislative and Regulatory**		
80		*Project or programme**	**($000)**	**($000)**
81		Other network assets	4	
82		** include additional rows if needed*		
83		All other projects or programmes - legislative and regulatory		
84		**Legislative and regulatory expenditure**		4
85	*less*	Capital contributions funding legislative and regulatory		
86		**Legislative and regulatory less capital contributions**		4
87		**6a(viii): Other Reliability, Safety and Environment**		
88		*Project or programme**	**($000)**	**($000)**
89		Replace Galv Meter Box (Asbestos)	9	
90		** include additional rows if needed*		
91		All other projects or programmes - other reliability, safety and environment		
92		**Other reliability, safety and environment expenditure**		9
93	*less*	Capital contributions funding other reliability, safety and environment		
94		**Other reliability, safety and environment less capital contributions**		9
95				
96		**6a(ix): Non-Network Assets**		
97		**Routine expenditure**		
98		*Project or programme**	**($000)**	**($000)**
99		additional/upgrade)	1	
100		General asset replacement (Ntk)	32	
101		General building capex (ENL office, Eastech, Wairoa Depot)	(1)	
102		Property Capital Projects Wairoa office rebuild	8	
103		Diesel Tanker Trailer	24	
104		** include additional rows if needed*		
105		All other projects or programmes - routine expenditure		
106		**Routine expenditure**		64
107		**Atypical expenditure**		
108		*Project or programme**	**($000)**	**($000)**
109				
110				
111		** include additional rows if needed*		
112		All other projects or programmes - atypical expenditure		
113		**Atypical expenditure**		–
114				
115		**Expenditure on non-network assets**		64

Company Name **Firstlight Network**

For Year Ended **31 March 2023**

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

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

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

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

sch ref			
7	**6b(i): Operational Expenditure**	**($000)**	**($000)**
8	Service interruptions and emergencies	3,015	
9	Vegetation management	1,021	
10	Routine and corrective maintenance and inspection	1,554	
11	Asset replacement and renewal	573	
12	**Network opex**		6,162
13	System operations and network support	2,053	
14	Business support	4,679	
15	**Non-network opex**		6,732
16			
17	**Operational expenditure**		12,894
18	**6b(ii): Subcomponents of Operational Expenditure (where known)**		
19	*EDBs’ must disclose both a public version of this Schedule (excluding cybersecurity cost data) and a confidential version of this Schedule (including cybersecurity costs)*		
20	Energy efficiency and demand side management, reduction of energy losses		
21	Direct billing*		
22	Research and development		
23	Insurance		469
24	Cybersecurity (Commission only)		
25	** Direct billing expenditure by suppliers that directly bill the majority of their consumers*		

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref				
7	**7(i): Revenue**	**Target ($000) ¹**	**Actual ($000)**	**% variance**
8	Line charge revenue	30,119	29,963	(1%)
9	**7(ii): Expenditure on Assets**	**Forecast ($000) ²**	**Actual ($000)**	**% variance**
10	Consumer connection	112	82	(26%)
11	System growth	2,091	2,690	29%
12	Asset replacement and renewal	9,967	11,670	17%
13	Asset relocations	50	–	(100%)
14	Reliability, safety and environment:			
15	Quality of supply	260	705	172%
16	Legislative and regulatory	10	4	(56%)
17	Other reliability, safety and environment	30	9	(70%)
18	**Total reliability, safety and environment**	300	718	140%
19	**Expenditure on network assets**	12,519	15,160	21%
20	Expenditure on non-network assets	176	64	(64%)
21	Expenditure on assets	12,695	15,224	20%
22	**7(iii): Operational Expenditure**			
23	Service interruptions and emergencies	1,700	3,015	77%
24	Vegetation management	1,095	1,021	(7%)
25	Routine and corrective maintenance and inspection	1,799	1,554	(14%)
26	Asset replacement and renewal	728	573	(21%)
27	**Network opex**	5,322	6,162	16%
28	System operations and network support	2,783	2,053	(26%)
29	Business support	3,812	4,679	23%
30	**Non-network opex**	6,595	6,732	2%
31	**Operational expenditure**	11,917	12,894	8%
32	**7(iv): Subcomponents of Expenditure on Assets (where known)**			
33	Energy efficiency and demand side management, reduction of energy losses		–	–
34	Overhead to underground conversion		–	–
35	Research and development		–	–
36				
37	**7(v): Subcomponents of Operational Expenditure (where known)**			
38	Energy efficiency and demand side management, reduction of energy losses		–	–
39	Direct billing		–	–
40	Research and development		–	–
41	Insurance	459	469	2%
42				

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

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

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-Network Name	**All**

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
DOMLFC	Domestic	Standard	12,563	64,450
DOMSTD	Domestic	Standard	7,794	67,375
COM0050	Non-Domestic, Commercial	Standard	4,626	39,387
COM0100	Non-Domestic, Commercial	Standard	429	23,642
COM0300	Non-Domestic, Commercial	Standard	116	20,338
COM0500	Non-Domestic, Commercial	Standard	23	9,458
COM1000	Non-Domestic, Commercial	Standard	24	29,399
COM4500	Non-Domestic, Industrial	Standard	3	24,495
COM6500	Non-Domestic, Industrial	Standard	1	6,112
GEN1000	Security - Gensets	Standard	5	–
GEN4500	Generation - Matawai Hydro	Standard	1	–
GEN6500	Generation - Waihi Hydro	Standard	1	99
OTH0003	Non-Domestic, Commercial	Standard	81	220
DUML	Non-Domestic, Distibuted Unmetered	Standard	174	1,342
STLGM	Non-Domestic, Streetlighting Metered	Standard	32	36
Add extra rows for additional consumer groups or price category codes as necessary				
		Standard consumer totals	25,872	286,353
		Non-standard consumer totals	–	–
		Total for all consumers	25,872	286,353

Billed quantities by price component

Price component	Fixed	Variable Uncontrolled	Variable Controlled	Variable Evening Peak (TOU)	Variable Morning Peak	Variable Off Peak	Variable Night
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Days	kWh	kWh	kWh	kWh	kWh	kWh
DOMLFC	4,585,578	22,821,431	14,852,323	–	8,614,812	18,161,535	–
DOMSTD	2,844,415	22,887,012	14,140,246	–	9,508,003	20,839,679	–
COM0050	1,688,574	28,018,401	2,328,996	–	2,641,654	6,398,180	–
COM0100	156,527	17,131,086	365,071	–	1,667,825	4,478,148	–
COM0300	42,368	9,928,011	–	1,662,615	2,768,538	3,479,762	2,498,974
COM0500	8,334	–	–	1,488,760	2,370,558	2,976,218	2,622,475
COM1000	8,697	–	–	4,661,284	7,231,914	9,293,289	8,212,224
COM4500	1,095	–	–	4,015,846	5,686,026	7,543,226	7,249,688
COM6500	365	–	–	746,508	1,847,839	2,014,594	1,503,001
GEN1000	365	–	–	–	–	–	–
GEN4500	365	–	–	–	–	–	–
GEN6500	365	98,971	–	–	–	–	–
OTH0003	29,506	219,570	–	–	–	–	–
DUML	1,878,294	1,342,437	–	–	–	–	–
STLGM	88,461	36,389	–	–	–	–	–
Standard consumer totals	11,333,309	102,483,310	31,686,637	12,575,013	42,337,168	75,184,631	22,086,362
Non-standard consumer totals	–	–	–	–	–	–	–
Total for all consumers	11,333,309	102,483,310	31,686,637	12,575,013	42,337,168	75,184,631	22,086,362

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-Network Name	**All**

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

36

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

									Line charge revenues ($000) by price component						
39								Price component	Fixed Component Only	Variable Uncontrolled	Variable Controlled	Variable Evening Peak (TOU)	Variable Morning Peak	Variable Off Peak	Variable Night (TOU)
40	Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, $ per day, $ per kWh, etc.)	$ per day	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh	$ per kWh
42	DOMLFC	Domestic	Standard	$9,003		8,238	765		1,376	2,722	1,545	–	1,559	1,801	–
43	DOMSTD	Domestic	Standard	$8,503		5,922	2,582		5,671	1,041	368	–	759	664	–
44	COM0050	Non-Domestic, Commercial	Standard	$5,411		3,860	1,551		3,884	1,110	56	–	183	178	–
45	COM0100	Non-Domestic, Commercial	Standard	$2,538		2,014	524		1,307	887	12	–	160	172	–
46	COM0300	Non-Domestic, Commercial	Standard	$1,377		1,100	276		678	407	–	62	96	96	38
47	COM0500	Non-Domestic, Commercial	Standard	$529		427	101		267	–	–	56	83	83	40
48	COM1000	Non-Domestic, Commercial	Standard	$1,248		1,043	205		435	–	–	175	253	258	126
49	COM4500	Non-Domestic, Industrial	Standard	$816		709	107		153	–	–	148	196	208	110
50	COM6500	Non-Domestic, Industrial	Standard	$241		205	37		73	–	–	27	63	55	23
51	GEN1000	Security - Gensets	Standard	–		–	–		–	–	–	–	–	–	–
52	GEN4500	Generation - Matawai Hydro	Standard	–		–	–		–	–	–	–	–	–	–
53	GEN6500	Generation - Waihi Hydro	Standard	$41		41	–		38	3	–	–	–	–	–
54	OTH0003	Non-Domestic, Commercial	Standard	$37		31	6		15	23	–	–	–	–	–
55	DUML	Non-Domestic, Distibuted Unmetered	Standard	$210		139	71		114	96	–	–	–	–	–
56	STLGM	Non-Domestic, Streetlighting metered	Standard	$9		6	3		6	3	–	–	–	–	–
57	*Add extra rows for additional consumer groups or price category codes as necessary*														
58			**Standard consumer totals**	$29,963	–	$23,735	$6,228		$14,016	$6,290	$1,982	$468	$3,353	$3,517	$337
59			**Non-standard consumer totals**	–	–	–	–		–	–	–	–	–	–	–
60			**Total for all consumers**	$29,963	–	$23,735	$6,228		$14,016	$6,290	$1,982	$468	$3,353	$3,517	$337

61

62

8(iii): Number of ICPs directly billed

Check **OK**

63 **Number of directly billed ICPs at year end** 6

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**ALL**

SCHEDULE 9a: ASSET REGISTER

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

sch ref								
8	**Voltage**	**Asset category**	**Asset class**	**Units**	**Items at start of year (quantity)**	**Items at end of year (quantity)**	**Net change**	**Data accuracy (1–4)**
9	All	Overhead Line	Concrete poles / steel structure	No.	17,063	18,122	1,059	3
10	All	Overhead Line	Wood poles	No.	18,043	17,016	(1,027)	3
11	All	Overhead Line	Other pole types	No.	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	336	336	–	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	307	307	–	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	–	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	19	19	–	2
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	11	11	–	2
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	45	45	–	2
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	2	2	–	3
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	N/A
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	1	–	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	112	112	–	2
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	7	7	–	2
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	44	36	(8)	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,387	2,387	–	2
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	1	1	–	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	38	40	2	2
39	HV	Distribution Cable	Distribution UG PILC	km	102	101	(1)	2
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	1	1	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	38	44	6	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	15	15	–	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	4,449	4,413	(36)	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	77	79	2	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	314	287	(27)	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,046	3,056	10	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	551	565	14	2
48	HV	Distribution Transformer	Voltage regulators	No.	11	9	(2)	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	N/A
50	LV	LV Line	LV OH Conductor	km	505	505	–	2
51	LV	LV Cable	LV UG Cable	km	273	277	4	2
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	22	8	(13)	2
53	LV	Connections	OH/UG consumer service connections	No.	26,300	26,300	–	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	191	191	–	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1,129	1,129	–	1
56	All	Capacitor Banks	Capacitors including controls	No	1	1	–	3
57	All	Load Control	Centralised plant	Lot	8	8	–	2
58	All	Load Control	Relays	No	17,013	17,013	–	1
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name **Firstlight Network**
For Year Ended **31 March 2023**
Network / Sub-network Name **GIS**

SCHEDULE 9a: ASSET REGISTER

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

sch ref

8	**Voltage**	**Asset category**	**Asset class**	**Units**	**Items at start of year (quantity)**	**Items at end of year (quantity)**	**Net change**	**Data accuracy (1–4)**
9	All	Overhead Line	Concrete poles / steel structure	No.	13,731	14,441	710	2
10	All	Overhead Line	Wood poles	No.	14,029	13,323	(706)	2
11	All	Overhead Line	Other pole types	No.	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	269	269	–	2
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	180	180	–	2
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	–	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	17	17	–	2
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	5	5	–	2
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	42	42	–	2
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	3
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	N/A
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	N/A
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	86	86	–	2
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	5	5	–	2
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	32	24	(8)	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,706	1,706	–	2
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	–	–	–	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	33	35	2	3
39	HV	Distribution Cable	Distribution UG PILC	km	87	86	(1)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	1	1	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	23	30	7	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	15	15	–	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,331	3,328	(3)	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	61	63	2	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	272	246	(26)	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,255	2,267	12	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	459	470	11	2
48	HV	Distribution Transformer	Voltage regulators	No.	8	6	(2)	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	N/A
50	LV	LV Line	LV OH Conductor	km	371	371	–	2
51	LV	LV Cable	LV UG Cable	km	222	224	2	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	21	8	(13)	2
53	LV	Connections	OH/UG consumer service connections	No.	21,329	21,329	–	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	152	152	–	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	969	969	–	1
56	All	Capacitor Banks	Capacitors including controls	No	1	1	–	3
57	All	Load Control	Centralised plant	Lot	5	5	–	2
58	All	Load Control	Relays	No	17,013	17,013	–	1
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**WRA**

SCHEDULE 9a: ASSET REGISTER

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

sch ref

8	**Voltage**	**Asset category**	**Asset class**	**Units**	**Items at start of year (quantity)**	**Items at end of year (quantity)**	**Net change**	**Data accuracy (1–4)**
9	All	Overhead Line	Concrete poles / steel structure	No.	3,332	3,681	349	2
10	All	Overhead Line	Wood poles	No.	4,014	3,693	(321)	2
11	All	Overhead Line	Other pole types	No.	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	67	67	–	2
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	127	127	–	2
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	2	2	–	2
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	6	6	–	2
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	3	3	–	2
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	2	2	–	3
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	N/A
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1	1	–	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	26	26	–	2
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	2	2	–	2
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	12	12	–	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	680	680	–	2
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	1	1	–	1
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	5	5	(0)	3
39	HV	Distribution Cable	Distribution UG PILC	km	15	15	(0)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	0	0	2
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	15	14	(1)	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	N/A
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1,118	1,089	(29)	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	16	16	–	1
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	42	41	(1)	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	791	789	(2)	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	92	95	3	2
48	HV	Distribution Transformer	Voltage regulators	No.	3	3	–	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	N/A
50	LV	LV Line	LV OH Conductor	km	134	134	(0)	1
51	LV	LV Cable	LV UG Cable	km	52	53	0	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1	1	(0)	2
53	LV	Connections	OH/UG consumer service connections	No.	4,971	4,971	–	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	39	39	–	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	160	160	–	1
56	All	Capacitor Banks	Capacitors including controls	No	–	–	–	N/A
57	All	Load Control	Centralised plant	Lot	3	3	–	2
58	All	Load Control	Relays	No	–	–	–	1
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name **Firstlight Network**
For Year Ended **31 March 2023**
Network / Sub-network Name **ALL**

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref

8 **Disclosure Year (year ended)** 31 March 2023

Number of assets at disclosure year end by installation date

9	Voltage	Asset category	Asset class	Units	pre-1940	1940 –1949	1950 –1959	1960 –1969	1970 –1979	1980 –1989	1990 –1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	No. with age unknown	Items at end of year	No. with default dates	Data accuracy (1–4)
10	All	Overhead Line	Concrete poles / steel structure	No.	–	1	94	254	1,890	3,174	2,856	525	1,420	798	244	274	393	253	226	389	400	424	418	439	358	388	390	260	222	368	481	328	395	460	–	–	–	–	18,122		2
11	All	Overhead Line	Wood poles	No.	–	145	1,866	3,743	1,594	1,424	2,906	457	830	246	130	186	150	170	187	286	268	241	210	185	207	147	198	192	101	163	139	292	141	212	–	–	–	–	17,016		2
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	72	116	71	37	6	7	4	3	11	–	5	4	0	0	–	–	–	–	0	–	0	0	–	0	–	–	–	–	–	–	–	–	336		2
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	17	86	61	111	30	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	0	0	–	–	–	–	–	–	–	307		2
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	–	–	–	–	0	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	–	–	–	–	2	3	5	–	2	–	1	1	–	1	1	1	–	1	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	19		2
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	–	7	2	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	11		2
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	–	4	1	5	2	2	–	3	6	4	6	2	–	2	2	2	–	–	–	3	–	–	4	–	–	–	–	–	–	–	48		2
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2		3
30	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	–	–	–	27	8	9	–	8	10	–	–	7	–	4	–	–	–	–	14	–	8	–	–	–	5	–	–	–	–	–	–	–	100		2
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	2	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	1	1	1	–	–	–	–	–	–	7		2
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	3	8	–	1	4	4	4	3	–	1	1	–	2	1	–	–	–	–	–	–	–	–	–	–	4	–	–	–	–	–	–	–	–	36		3
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	63	81	515	870	347	198	169	11	7	11	4	8	8	6	9	2	1	4	3	2	4	2	8	3	6	6	5	2	11	9	–	–	–	–	2,377		1
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
38	HV	Distribution Line	SWER conductor	km	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		1
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	–	0	1	3	6	6	0	1	0	0	0	1	2	1	2	0	1	1	0	0	0	1	2	1	3	3	1	1	0	–	–	–	–	40		1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	1	8	12	27	23	2	5	4	2	1	2	2	3	1	2	1	1	0	0	0	0	1	1	0	0	–	–	–	–	–	–	–	101		1
41	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	–	–	1	1	1	2	2	6	3	3	4	1	–	1	–	–	–	–	–	1	1	–	1	–	–	2	3	5	6	–	–	–	–	–	44		2
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	7	–	–	–	–	8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	15		1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	204	749	652	406	434	53	113	127	98	117	80	135	74	71	91	95	80	56	64	88	108	88	60	80	75	85	77	53	–	–	–	–	4,413		2
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	4	6	7	7	3	19	16	2	–	–	11	–	1	–	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	81		2
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	3	7	12	58	7	27	23	3	7	2	17	5	9	4	6	3	3	2	4	8	22	10	13	9	8	3	7	–	–	–	5	287		2
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	77	556	429	313	317	27	93	51	80	75	115	60	58	50	57	72	42	53	58	64	58	40	47	59	48	76	41	40	–	–	–	–	3,056		2
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	8	23	18	24	34	30	54	32	14	27	21	21	28	15	15	22	14	16	13	20	14	18	17	8	17	21	12	8	–	–	–	–	564		2
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	–	3	–	3	–	–	1	–	–	1	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	10		3
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
51	LV	LV Line	LV OH Conductor	km	7	32	111	163	68	52	48	1	7	4	1	2	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	–	–	–	–	503		1
52	LV	LV Cable	LV UG Cable	km	0	–	3	20	42	64	38	8	16	14	8	5	5	4	7	6	5	2	3	3	3	1	2	2	3	2	5	1	1	1	–	–	–	–	277		1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	1	1	2	5	6	0	2	1	1	0	0	0	1	0	–	–	0	0	0	0	0	–	0	–	–	–	–	–	–	–	–	–	22		2
54	LV	Connections	OH/UG consumer service connections	No.	45	524	1,957	5,012	4,836	4,848	3,853	292	319	313	352	320	272	349	360	287	215	185	233	157	173	158	186	145	156	171	175	172	278	256	10	–	–	–	26,609		1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	–	10	12	10	25	1	22	7	6	10	9	1	–	–	2	–	23	4	–	18	6	11	2	–	–	–	–	–	–	–	179		2
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot	–	–	–	1	–	27	129	66	61	41	104	50	65	26	21	24	22	19	35	23	40	161	135	29	23	22	5	–	–	–	–	–	–	–	1,129		1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		3
58	All	Load Control	Centralised plant	Lot	–	–	–	–	5	2	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	8		2
59	All	Load Control	Relays	No	–	–	–	–	2,294	2,555	3,773	522	1,014	1,133	1,010	477	835	624	931	110	87	50	88	104	62	64	86	50	28	51	44	19	17	129	–	–	–	–	16,157		1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**GIS**

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref

8 **Disclosure Year (year ended)** 31 March 2023

Number of assets at disclosure year end by installation date

9	Voltage	Asset category	Asset class	Units	pre-1940	1940 –1949	1950 –1959	1960 –1969	1970 –1979	1980 –1989	1990 –1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	No. with age unknown	Items at end of year	No. with default dates	Data accuracy (1–4)
10	All	Overhead Line	Concrete poles / steel structure	No.	–	1	30	162	1,612	2,328	2,677	380	1,045	593	160	193	324	198	196	331	349	410	408	432	330	364	344	227	110	176	293	221	232	315	–	–	–	–	14,441		2
11	All	Overhead Line	Wood poles	No.	–	63	1,276	3,315	1,240	1,149	2,349	194	582	189	87	124	96	99	127	267	176	230	190	159	165	131	181	184	62	83	110	207	124	164	–	–	–	–	13,323		2
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	72	116	37	5	6	7	4	3	11	–	5	4	0	0	–	–	–	–	0	–	0	0	–	0	–	–	–	–	–	–	–	–	269		2
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	17	29	61	49	23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	0	–	–	–	–	–	–	–	–	180		2
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	–	–	–	–	2	3	4	–	2	–	1	1	–	1	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	17		2
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	–	4	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5		2
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	–	4	1	3	2	2	–	3	5	4	6	2	–	2	2	2	–	–	–	3	–	–	3	–	–	–	–	–	–	–	44		2
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		3
30	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	–	–	–	17	8	9	–	8	10	–	–	4	–	4	–	–	–	–	14	–	–	–	–	–	–	–	–	–	–	–	–	–	74		2
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	1	1	–	–	–	–	–	–	–	5		2
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	3	–	–	1	2	4	1	3	–	1	1	–	2	1	–	–	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–	22		3
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0	6	308	691	302	136	164	11	5	7	2	2	5	4	3	2	1	4	3	2	3	1	7	2	5	5	2	2	4	7	–	–	–	–	1,697		1
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
38	HV	Distribution Line	SWER conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	–	0	0	3	6	4	0	1	0	0	0	1	2	1	2	0	1	1	0	0	0	1	2	1	2	3	1	1	0	–	–	–	–	35		1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	1	8	9	21	21	2	5	4	2	1	2	1	1	1	2	1	1	0	0	0	0	1	1	0	0	–	–	–	–	–	–	–	86		1
41	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	–	–	1	–	–	–	2	5	1	3	4	1	–	1	–	–	–	–	–	–	–	–	1	–	–	2	1	3	5	–	–	–	–	–	30		2
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	7	–	–	–	–	8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	15		1
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	201	484	480	258	324	41	98	94	63	75	64	112	50	60	80	87	68	51	53	82	88	74	44	60	63	68	59	43	–	–	–	–	3,324		1
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	4	6	3	7	3	14	16	1	–	–	5	–	1	–	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	65		2
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	3	3	6	53	7	21	22	1	7	2	13	4	8	3	6	3	2	2	2	8	21	9	12	9	8	2	5	–	–	–	4	246		2
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	77	319	318	225	242	20	82	43	55	51	75	49	50	42	55	61	34	51	43	57	44	31	36	46	34	65	30	33	–	–	–	–	2,268		2
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	6	16	15	19	28	29	52	27	12	20	12	17	20	7	15	21	11	13	12	14	12	17	12	8	16	21	10	7	–	–	–	–	469		2
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	–	3	–	3	–	–	–	–	–	1	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	8		3
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
51	LV	LV Line	LV OH Conductor	km	0	2	69	132	59	43	46	1	7	4	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–	370		1
52	LV	LV Cable	LV UG Cable	km	–	–	1	17	31	47	31	7	16	14	7	4	4	3	5	5	5	2	3	3	3	1	2	2	3	2	3	1	1	1	–	–	–	–	224		1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	1	1	0	4	4	0	1	0	–	0	–	0	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	13		1
54	LV	Connections	OH/UG consumer service connections	No.	45	524	1,882	3,535	3,997	4,002	3,353	256	256	183	79	205	229	311	315	245	170	154	201	136	134	123	151	121	121	150	137	149	238	224	10	–	–	–	21,636		1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	–	–	12	8	18	1	21	7	3	10	8	1	–	–	1	–	23	4	–	7	6	6	1	–	–	–	–	–	–	–	137		2
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot	–	–	–	1	–	25	114	60	35	32	85	47	35	21	20	16	19	17	32	20	39	159	126	26	18	20	2	–	–	–	–	–	–	–	969		1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		3
58	All	Load Control	Centralised plant	Lot	–	–	–	–	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5		2
59	All	Load Control	Relays	No	–	–	–	–	2,285	2,555	3,764	522	1,009	1,129	996	461	815	609	918	104	87	50	87	102	61	64	85	50	27	51	43	19	17	129	–	–	–	–	16,039		1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A

Company Name **Firstlight Network**
For Year Ended **31 March 2023**
Network / Sub-network Name **WRA**

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref

8 **Disclosure Year (year ended)** 31 March 2023

Number of assets at disclosure year end by installation date

9	Voltage	Asset category	Asset class	Units	pre-1940	1940 –1949	1950 –1959	1960 –1969	1970 –1979	1980 –1989	1990 –1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	No. with age unknown	Items at end of year	No. with default dates	Data accuracy (1–4)
10	All	Overhead Line	Concrete poles / steel structure	No.	–	–	64	92	278	846	179	145	375	205	84	81	69	55	30	58	51	14	10	7	28	24	46	33	112	192	188	107	163	145	–	–	–	–	3,681		2
11	All	Overhead Line	Wood poles	No.	–	82	590	428	354	275	557	263	248	57	43	62	54	71	60	19	92	11	20	26	42	16	17	8	39	80	29	85	17	48	–	–	–	–	3,693		2
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	–	–	34	32	–	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	67		1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	–	0	57	–	63	7	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	(0)	127		1
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	2		2
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	–	3	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6		2
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	–	–	–	2	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	4		2
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2		3
30	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	–	–	–	10	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–	8	–	–	–	5	–	–	–	–	–	–	–	26		2
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	2		2
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	–	8	–	–	2	–	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	14		3
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	62	76	207	179	45	62	5	–	2	3	2	6	3	2	6	1	–	0	–	0	1	0	1	1	1	0	3	0	7	2	–	–	–	–	679		1
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
38	HV	Distribution Line	SWER conductor	km	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1		1
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	–	–	0	–	0	1	0	0	0	0	0	0	0	0	1	–	0	–	0	0	0	0	–	0	1	0	0	0	0	–	–	–	(0)	5		1
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	–	0	3	6	2	0	0	0	0	0	0	1	2	0	–	–	–	–	0	–	–	0	0	0	–	–	–	–	–	–	–	–	15		1
41	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	–	–	–	1	1	2	–	1	2	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	2	2	1	–	–	–	–	–	14		2
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	–	3	265	172	148	110	12	15	33	35	42	16	23	24	11	11	8	12	5	11	6	20	14	16	20	12	17	18	10	–	–	–	–	1,089		1
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	–	–	4	–	–	5	–	1	–	–	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	16		1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	–	4	6	5	–	6	1	2	–	–	4	1	1	1	–	–	1	–	2	–	1	1	1	–	–	1	2	–	–	–	1	41		2
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	–	237	111	88	75	7	11	8	25	24	40	11	8	8	2	11	8	2	15	7	14	9	11	13	14	11	11	7	–	–	–	–	788		2
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	2	7	3	5	6	1	2	5	2	7	9	4	8	8	–	1	3	3	1	6	2	1	5	–	1	–	2	1	–	–	–	–	95		2
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	2		3
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
51	LV	LV Line	LV OH Conductor	km	7	31	42	30	9	9	2	1	0	0	0	1	0	0	0	–	–	0	–	–	–	0	1	0	0	0	0	0	0	0	–	–	–	–	134		1
52	LV	LV Cable	LV UG Cable	km	0	–	1	4	11	17	7	1	0	0	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	2	0	0	–	–	–	–	–	53		1
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	–	–	–	0	–	–	0	–	–	–	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0		2
54	LV	Connections	OH/UG consumer service connections	No.	–	–	75	1,477	839	846	500	36	63	130	273	115	43	38	45	42	45	31	32	21	39	35	35	24	35	21	38	23	40	32	–	–	–	–	4,973		1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	–	–	10	–	2	7	–	1	–	3	–	1	–	–	–	1	–	–	–	–	11	–	5	1	–	–	–	–	–	–	–	42		2
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot	–	–	–	–	–	2	15	6	26	9	19	3	30	5	1	8	3	2	3	3	1	2	9	3	5	2	3	–	–	–	–	–	–	–	160		1
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A
58	All	Load Control	Centralised plant	Lot	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3		2
59	All	Load Control	Relays	No	–	–	–	–	9	–	9	–	5	4	14	16	20	15	13	6	–	–	1	2	1	–	1	–	1	–	1	–	–	–	–	–	–	–	118		1
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		N/A

Company Name **Firstlight Network**
For Year Ended **31 March 2023**
Network / Sub-network Name **ALL**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref				
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	307	–	307
12	50kV & 66kV	302	1	303
13	33kV	34	0	34
14	SWER (all SWER voltages)	1	–	1
15	22kV (other than SWER)	–	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	2,380	141	2,521
17	Low voltage (< 1kV)	504	275	779
18	**Total circuit length (for supply)**	3,528	417	3,945
19				
20	Dedicated street lighting circuit length (km)	13	9	22
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			1,000
22				

23	**Overhead circuit length by terrain (at year end)**	**Circuit length (km)**	**(% of total overhead length)**
24	Urban	193	5%
25	Rural	1,490	42%
26	Remote only	312	9%
27	Rugged only	1,182	34%
28	Remote and rugged	347	10%
29	Unallocated overhead lines	5	0%
30	**Total overhead length**	3,528	100%
31			
32		**Circuit length (km)**	**(% of total circuit length)**
33	Length of circuit within 10km of coastline or geothermal areas (where known)		–
34		**Circuit length (km)**	**(% of total overhead length)**
35	Overhead circuit requiring vegetation management	3,528	100%

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**GIS**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref				
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	180	–	180
12	50kV & 66kV	269	1	271
13	33kV	–	–	–
14	SWER (all SWER voltages)	–	–	–
15	22kV (other than SWER)	–	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	1,699	121	1,820
17	Low voltage (< 1kV)	370	222	592
18	**Total circuit length (for supply)**	2,519	344	2,864
19				
20	Dedicated street lighting circuit length (km)	13	8	21
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			700
22				

23	**Overhead circuit length by terrain (at year end)**	**Circuit length (km)**	**(% of total overhead length)**
24	Urban	170	7%
25	Rural	1,185	47%
26	Remote only	259	10%
27	Rugged only	754	30%
28	Remote and rugged	148	6%
29	Unallocated overhead lines	3	0%
30	**Total overhead length**	2,519	100%
31			

32		**Circuit length (km)**	**(% of total circuit length)**
33	Length of circuit within 10km of coastline or geothermal areas (where known)		–

34		**Circuit length (km)**	**(% of total overhead length)**
35	Overhead circuit requiring vegetation management	2,519	100%

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**WRA**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref		Overhead (km)	Underground (km)	Total circuit length (km)
9				
10	**Circuit length by operating voltage (at year end)**			
11	> 66kV	127	–	127
12	50kV & 66kV	32	–	32
13	33kV	34	0	34
14	SWER (all SWER voltages)	1	–	1
15	22kV (other than SWER)	–	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	681	20	701
17	Low voltage (< 1kV)	134	53	187
18	**Total circuit length (for supply)**	1,009	73	1,082
19				
20	Dedicated street lighting circuit length (km)	0	0	1
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			300
22				

		Circuit length (km)	(% of total overhead length)
23	**Overhead circuit length by terrain (at year end)**		
24	Urban	23	2%
25	Rural	305	30%
26	Remote only	52	5%
27	Rugged only	428	42%
28	Remote and rugged	199	20%
29	Unallocated overhead lines	1	0%
30	**Total overhead length**	1,009	100%
31			

		Circuit length (km)	(% of total circuit length)
32			
33	Length of circuit within 10km of coastline or geothermal areas (where known)		–

		Circuit length (km)	(% of total overhead length)
34			
35	Overhead circuit requiring vegetation management	1,009	100%

Company Name **Firstlight Network**
For Year Ended **31 March 2023**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref			
8	**Location ***	**Number of ICPs served**	**Line charge revenue ($000)**
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

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

Company Name **Firstlight Network**
For Year Ended **31 March 2023**
Network / Sub-network Name **ALL**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

8 9e(i): Consumer Connections and Decommissionings

9 *Number of ICPs connected in year by consumer type*

sch ref		Number of connections (ICPs)
10	*Consumer types defined by EDB**	
11	Domestic/Residential	91
12	Commercial	154
13	Large Commercial	5
14	Industrial	–
15		–
16	** include additional rows if needed*	
17	**Connections total**	250
18		

19 *Number of ICPs decommissioned in year by consumer type*

sch ref		Number of decommissionings
20	*Consumer types defined by EDB**	
21	Domestic/Residential	24
22	Commercial	14
23	Large Commercial	2
24	Industrial	–
25		–
26	** include additional rows if needed*	
27	**Decommissionings total**	40
28		

29 Distributed generation

sch ref			
30	Number of connections made in year	72	**connections**
32	Capacity of distributed generation installed in year	0.38	**MVA**
33			

34 9e(ii): System Demand

35
36

sch ref			Demand at time of maximum coincident demand (MW)
37		**Maximum coincident system demand**	
38		GXP demand	58
39	*plus*	Distributed generation output at HV and above	7
40		**Maximum coincident system demand**	65
41	*less*	Net transfers to (from) other EDBs at HV and above	–
42		**Demand on system for supply to consumers' connection points**	65

sch ref			Energy (GWh)	
43		**Electricity volumes carried**		
44		Electricity supplied from GXPs	287	
45	*less*	Electricity exports to GXPs	–	
46	*plus*	Electricity supplied from distributed generation	25	
47	*less*	Net electricity supplied to (from) other EDBs	–	
48		**Electricity entering system for supply to consumers' connection points**	312	
49	*less*	Total energy delivered to ICPs	286	
51		**Electricity losses (loss ratio)**	26	8.3%
52				
53		**Load factor**	0.55	

54 9e(iii): Transformer Capacity

sch ref		(MVA)
55		
56	Distribution transformer capacity (EDB owned)	222
57	Distribution transformer capacity (Non-EDB owned, estimated)	50
58	**Total distribution transformer capacity**	273
59		
60	**Zone substation transformer capacity**	337
61		

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**GIS**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref			
8	**9e(i): Consumer Connections and Decommissionings**		
9	*Number of ICPs connected in year by consumer type*		
10	*Consumer types defined by EDB**	**Number of connections (ICPs)**	
11	Domestic/Residential	77	
12	Commercial	140	
13	Large Commercial	4	
14	Industrial	–	
15		–	
16	** include additional rows if needed*		
17	**Connections total**	221	
18			
19	*Number of ICPs decommissioned in year by consumer type*		
20	*Consumer types defined by EDB**	**Number of decommissionings**	
21	Domestic/Residential	19	
22	Commercial	12	
23	Large Commercial	–	
24	Industrial	–	
25		–	
26	** include additional rows if needed*		
27	**Decommissionings total**	31	
28			
29	**Distributed generation**		
30	Number of connections made in year	53	**connections**
32	Capacity of distributed generation installed in year	0.29	**MVA**
33			
34	**9e(ii): System Demand**		
35			
36			
37	**Maximum coincident system demand**	**Demand at time of maximum coincident demand (MW)**	
38	GXP demand	50	
39	*plus* Distributed generation output at HV and above	4	
40	**Maximum coincident system demand**	55	
41	*less* Net transfers to (from) other EDBs at HV and above	–	
42	**Demand on system for supply to consumers' connection points**	55	
43	**Electricity volumes carried**	**Energy (GWh)**	
44	Electricity supplied from GXPs	246	
45	*less* Electricity exports to GXPs	–	
46	*plus* Electricity supplied from distributed generation	8	
47	*less* Net electricity supplied to (from) other EDBs	–	
48	**Electricity entering system for supply to consumers' connection points**	254	
49	*less* Total energy delivered to ICPs	233	
51	**Electricity losses (loss ratio)**	21	8.3%
52			
53	**Load factor**	0.53	
54	**9e(iii): Transformer Capacity**		
55		**(MVA)**	
56	Distribution transformer capacity (EDB owned)	183	
57	Distribution transformer capacity (Non-EDB owned, estimated)	41	
58	**Total distribution transformer capacity**	224	
59			
60	**Zone substation transformer capacity**	284	
61			

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**WRA**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref				
8		**9e(i): Consumer Connections and Decommissionings**		
9		*Number of ICPs connected in year by consumer type*		
10		*Consumer types defined by EDB**	**Number of connections (ICPs)**	
11		Domestic/Residential	14	
12		Commercial	14	
13		Large Commercial	1	
14		Industrial	–	
15			–	
16		** include additional rows if needed*		
17		**Connections total**	29	
18				
19		*Number of ICPs decommissioned in year by consumer type*		
20		*Consumer types defined by EDB**	**Number of decommissionings**	
21		Domestic/Residential	5	
22		Commercial	2	
23		Large Commercial	2	
24		Industrial	–	
25			–	
26		** include additional rows if needed*		
27		**Decommissionings total**	9	
28				
29		**Distributed generation**		
30		Number of connections made in year	19	**connections**
32		Capacity of distributed generation installed in year	0.09	**MVA**
33				
34		**9e(ii): System Demand**		
35				
36				
37		**Maximum coincident system demand**	**Demand at time of maximum coincident demand (MW)**	
38		GXP demand	8	
39	*plus*	Distributed generation output at HV and above	3	
40		**Maximum coincident system demand**	11	
41	*less*	Net transfers to (from) other EDBs at HV and above	–	
42		**Demand on system for supply to consumers' connection points**	11	
43		**Electricity volumes carried**	**Energy (GWh)**	
44		Electricity supplied from GXPs	41	
45	*less*	Electricity exports to GXPs	–	
46	*plus*	Electricity supplied from distributed generation	17	
47	*less*	Net electricity supplied to (from) other EDBs	–	
48		**Electricity entering system for supply to consumers' connection points**	58	
49	*less*	Total energy delivered to ICPs	54	
51		**Electricity losses (loss ratio)**	5	8.3%
52				
53		**Load factor**	0.59	
54		**9e(iii): Transformer Capacity**		
55			**(MVA)**	
56		Distribution transformer capacity (EDB owned)	40	
57		Distribution transformer capacity (Non-EDB owned, estimated)	9	
58		**Total distribution transformer capacity**	49	
59				
60		**Zone substation transformer capacity**	54	
61				

Company Name **Firstlight Network**
For Year Ended **31 March 2023**
Network / Sub-network Name **All**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8 10(i): Interruptions

sch ref		Number of interruptions
9	**Interruptions by class**	
10	Class A (planned interruptions by Transpower)	–
11	Class B (planned interruptions on the network)	296
12	Class C (unplanned interruptions on the network)	708
13	Class D (unplanned interruptions by Transpower)	–
14	Class E (unplanned interruptions of EDB owned generation)	–
15	Class F (unplanned interruptions of generation owned by others)	–
16	Class G (unplanned interruptions caused by another disclosing entity)	–
17	Class H (planned interruptions caused by another disclosing entity)	–
18	Class I (interruptions caused by parties not included above)	–
19	**Total**	1,004

20

sch ref		≤3Hrs	>3hrs
21	**Interruption restoration**		
22	Class C interruptions restored within	372	336

23

sch ref		SAIFI	SAIDI
24	**SAIFI and SAIDI by class**		
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	0.74	133.47
27	Class C (unplanned interruptions on the network)	4.77	1,465.10
28	Class D (unplanned interruptions by Transpower)	–	–
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	–	–
31	Class G (unplanned interruptions caused by another disclosing entity)	–	–
32	Class H (planned interruptions caused by another disclosing entity)	–	–
33	Class I (interruptions caused by parties not included above)	–	–
34	**Total**	5.51	1,598.6

35

sch ref		Normalised SAIFI	Normalised SAIDI
36	**Normalised SAIFI and SAIDI**		
37	Classes B & C (interruptions on the network)	3.77	489.76

38

39 **Transitional SAIDI and SAIDI (previous method)** — SAIFI — SAIDI

40 *Where EDBs do not currently record their SAIFI and SAIDI values using the 'multi-count' approach, they shall continue to record their SAIFI and SAIDI values on the same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Transitional SAIDI' values, in addition to their SAIFI and SAIDI values (Classes B & C) using the 'multi-count approach'.* ***This is a transitional reporting requirement that shall be in place for the 2024, 2025, and 2026 disclosure years.***

sch ref		SAIFI	SAIDI
41	Class B (planned interruptions on the network)	–	–
42	Class C (unplanned interruptions on the network)	–	–

43

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**All**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

44 10(ii): Class C Interruptions and Duration by Cause

	Cause	**SAIFI**	**SAIDI**
47	Lightning	0.07	2.45
48	Vegetation	0.95	645.05
49	Adverse weather	2.14	530.06
50	Adverse environment	0.07	124.04
51	Third party interference	0.32	33.33
52	Wildlife	0.16	15.99
53	Human error	0.16	7.80
54	Defective equipment	0.57	72.99
55	Cause unknown	0.32	33.39

57	**Breakdown of third party interference**	**SAIFI**	**SAIDI**
58	Dig-in	–	–
59	Overhead contact	0.00	0.15
60	Vandalism	–	–
61	Vehicle damage	0.32	32.91
62	Other	0.00	0.26

64 10(iii): Class B Interruptions and Duration by Main Equipment Involved

66	**Main equipment involved**	**SAIFI**	**SAIDI**
67	Subtransmission lines	0.02	0.22
68	Subtransmission cables	–	–
69	Subtransmission other	–	–
70	Distribution lines (excluding LV)	0.71	131.92
71	Distribution cables (excluding LV)	0.01	1.33
72	Distribution other (excluding LV)	–	–

73 10(iv): Class C Interruptions and Duration by Main Equipment Involved

75	**Main equipment involved**	**SAIFI**	**SAIDI**
76	Subtransmission lines	2.31	158.61
77	Subtransmission cables	–	–
78	Subtransmission other	–	–
79	Distribution lines (excluding LV)	2.27	1,298.71
80	Distribution cables (excluding LV)	0.20	7.78
81	Distribution other (excluding LV)	–	–

82 10(v): Fault Rate

83	**Main equipment involved**	**Number of Faults**	**Circuit length (km)**	**Fault rate (faults per 100km)**
84	Subtransmission lines	17	643	2.64
85	Subtransmission cables	–	1	–
86	Subtransmission other	–		
87	Distribution lines (excluding LV)	679	2,379	28.54
88	Distribution cables (excluding LV)	12	141	8.51
89	Distribution other (excluding LV)	–		
90	**Total**	708		

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**GIS**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8 ## 10(i): Interruptions

sch ref		Number of interruptions
9	**Interruptions by class**	
10	Class A (planned interruptions by Transpower)	–
11	Class B (planned interruptions on the network)	205
12	Class C (unplanned interruptions on the network)	533
13	Class D (unplanned interruptions by Transpower)	–
14	Class E (unplanned interruptions of EDB owned generation)	–
15	Class F (unplanned interruptions of generation owned by others)	–
16	Class G (unplanned interruptions caused by another disclosing entity)	–
17	Class H (planned interruptions caused by another disclosing entity)	–
18	Class I (interruptions caused by parties not included above)	–
19	**Total**	738
20		

sch ref		≤3Hrs	>3hrs
21	**Interruption restoration**		
22	Class C interruptions restored within	269	264
23			

sch ref		SAIFI	SAIDI
24	**SAIFI and SAIDI by class**		
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	0.58	104.25
27	Class C (unplanned interruptions on the network)	4.81	1,392.85
28	Class D (unplanned interruptions by Transpower)	–	–
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	–	–
31	Class G (unplanned interruptions caused by another disclosing entity)	–	–
32	Class H (planned interruptions caused by another disclosing entity)	–	–
33	Class I (interruptions caused by parties not included above)	–	–
34	**Total**	5.40	1,497.1
35			

sch ref		Normalised SAIFI	Normalised SAIDI
36	**Normalised SAIFI and SAIDI**		
37	Classes B & C (interruptions on the network)	3.21	413.68
38			

sch ref		SAIFI	SAIDI
39	**Transitional SAIDI and SAIDI (previous method)**		
40	*Where EDBs do not currently record their SAIFI and SAIDI values using the 'multi-count' approach, they shall continue to record their SAIFI and SAIDI values on the same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Transitional SAIDI' values, in addition to their SAIFI and SAIDI values (Classes B & C) using the 'multi-count approach'.* ***This is a transitional reporting requirement that shall be in place for the 2024, 2025, and 2026 disclosure years.***		
41	Class B (planned interruptions on the network)	–	–
42	Class C (unplanned interruptions on the network)	–	–
43			

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**GIS**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

44

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

45

46	**Cause**	**SAIFI**	**SAIDI**
47	Lightning	0.06	1.89
48	Vegetation	0.96	646.88
49	Adverse weather	2.42	443.17
50	Adverse environment	0.08	145.97
51	Third party interference	0.38	40.47
52	Wildlife	0.12	13.36
53	Human error	0.05	2.67
54	Defective equipment	0.56	75.33
55	Cause unknown	0.18	23.11

56

57	**Breakdown of third party interference**	**SAIFI**	**SAIDI**
58	Dig-in	–	–
59	Overhead contact	0.00	0.19
60	Vandalism	–	–
61	Vehicle damage	0.37	39.97
62	Other	0.00	0.32

63

64

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

65

66	**Main equipment involved**	**SAIFI**	**SAIDI**
67	Subtransmission lines	0.02	–
68	Subtransmission cables	–	–
69	Subtransmission other	–	–
70	Distribution lines (excluding LV)	0.55	103.00
71	Distribution cables (excluding LV)	0.01	1.25
72	Distribution other (excluding LV)	–	–

73

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

74

75	**Main equipment involved**	**SAIFI**	**SAIDI**
76	Subtransmission lines	2.71	192.06
77	Subtransmission cables	–	–
78	Subtransmission other	–	–
79	Distribution lines (excluding LV)	2.03	1,195.71
80	Distribution cables (excluding LV)	0.07	5.08
81	Distribution other (excluding LV)	–	–

82

10(v): Fault Rate

83	**Main equipment involved**	**Number of Faults**	**Circuit length (km)**	**Fault rate (faults per 100km)**
84	Subtransmission lines	14	–	–
85	Subtransmission cables	–	–	–
86	Subtransmission other	–		
87	Distribution lines (excluding LV)	510	–	–
88	Distribution cables (excluding LV)	9	–	–
89	Distribution other (excluding LV)	–		
90	**Total**	533		

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**WRA**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8

10(i): Interruptions

sch ref		**Number of interruptions**
9	**Interruptions by class**	
10	Class A (planned interruptions by Transpower)	–
11	Class B (planned interruptions on the network)	91
12	Class C (unplanned interruptions on the network)	175
13	Class D (unplanned interruptions by Transpower)	–
14	Class E (unplanned interruptions of EDB owned generation)	–
15	Class F (unplanned interruptions of generation owned by others)	–
16	Class G (unplanned interruptions caused by another disclosing entity)	–
17	Class H (planned interruptions caused by another disclosing entity)	–
18	Class I (interruptions caused by parties not included above)	–
19	**Total**	266
20		

sch ref		**≤3Hrs**	**>3hrs**
21	**Interruption restoration**		
22	Class C interruptions restored within	103	72
23			

sch ref		**SAIFI**	**SAIDI**
24	**SAIFI and SAIDI by class**		
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	1.42	261.57
27	Class C (unplanned interruptions on the network)	4.59	1,781.94
28	Class D (unplanned interruptions by Transpower)	–	–
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	–	–
31	Class G (unplanned interruptions caused by another disclosing entity)	–	–
32	Class H (planned interruptions caused by another disclosing entity)	–	–
33	Class I (interruptions caused by parties not included above)	–	–
34	**Total**	6.01	2,043.5
35			

sch ref		**Normalised SAIFI**	**Normalised SAIDI**
36	**Normalised SAIFI and SAIDI**		
37	Classes B & C (interruptions on the network)	5.08	613.61
38			

sch ref		**SAIFI**	**SAIDI**
39	**Transitional SAIDI and SAIDI (previous method)**		
40	*Where EDBs do not currently record their SAIFI and SAIDI values using the 'multi-count' approach, they shall continue to record their SAIFI and SAIDI values on the same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Transitional SAIDI' values, in addition to their SAIFI and SAIDI values (Classes B & C) using the 'multi-count approach'.* ***This is a transitional reporting requirement that shall be in place for the 2024, 2025, and 2026 disclosure years.***		
41	Class B (planned interruptions on the network)	–	–
42	Class C (unplanned interruptions on the network)	–	–
43			

Company Name	**Firstlight Network**
For Year Ended	**31 March 2023**
Network / Sub-network Name	**WRA**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

44 10(ii): Class C Interruptions and Duration by Cause

45

		SAIFI	SAIDI
46	**Cause**		
47	Lightning	0.10	4.91
48	Vegetation	0.90	634.29
49	Adverse weather	0.92	913.31
50	Adverse environment	0.03	27.87
51	Third party interference	0.09	1.99
52	Wildlife	0.34	27.50
53	Human error	0.65	30.34
54	Defective equipment	0.64	63.27
55	Cause unknown	0.90	78.45

56

		SAIFI	SAIDI
57	**Breakdown of third party interference**		
58	Dig-in	–	–
59	Overhead contact	–	–
60	Vandalism	–	–
61	Vehicle damage	0.09	1.99
62	Other	–	–

63

64 10(iii): Class B Interruptions and Duration by Main Equipment Involved

65

		SAIFI	SAIDI
66	**Main equipment involved**		
67	Subtransmission lines	0.00	1.20
68	Subtransmission cables	–	–
69	Subtransmission other	–	–
70	Distribution lines (excluding LV)	1.41	258.72
71	Distribution cables (excluding LV)	0.01	1.65
72	Distribution other (excluding LV)	–	–

73 10(iv): Class C Interruptions and Duration by Main Equipment Involved

74

		SAIFI	SAIDI
75	**Main equipment involved**		
76	Subtransmission lines	0.51	11.92
77	Subtransmission cables	–	–
78	Subtransmission other	–	–
79	Distribution lines (excluding LV)	3.29	1,750.38
80	Distribution cables (excluding LV)	0.79	19.63
81	Distribution other (excluding LV)	–	–

82 10(v): Fault Rate

		Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
83	**Main equipment involved**			
84	Subtransmission lines	3	–	–
85	Subtransmission cables	–	–	–
86	Subtransmission other	–		
87	Distribution lines (excluding LV)	169	–	–
88	Distribution cables (excluding LV)	3	–	–
89	Distribution other (excluding LV)	–		
90	**Total**	175		

Company Name	Firstlight Network Limited
For Year Ended	31 March 2023

Schedule 14 Mandatory Explanatory Notes

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

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f),and 2.5.2(1)(e).

2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 11 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.

3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

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

Box 1: Explanatory comment on return on investment

There are no reclassified items.

Regulatory Profit (Schedule 3)

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-

   5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3

   5.2 information on reclassified items in accordance with subclause 2.7.1(2).

Box 2: Explanatory comment on regulatory profit

Our regulated profit including financial incentives and wash-ups for the year is $15.0m which is a 8% decrease compared to regulated profit in FY22. The $1.4m decrease is mostly due $1m lower line charge revenue and $0.8m higher operating expenditure.

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

Chorus pole rental income was reclassified for FY23 to be non-regulated income.

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

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-

   6.1 information on reclassified items in accordance with subclause 2.7.1(2).

   6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure

Eastland Network changed ownership on 1 April 2023 from Eastland Group to First Gas Group and changed name to Firstlight Network. First Gas Group does not own or manage any other EDBs. Apart from the acquisition by First Gas Group, Firstlight Network has not entered into any agreements with another EDB or Transpower for an amalgamation, merger, major transaction or transfer in the assessment period.

Value of the Regulatory Asset Base (Schedule 4)

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

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

The RAB has increased by 11.4% or $21.4m. The was again a historically abnormal revaluation ($12.5m) due to a CPI of 6.7%. Assets commissioned saw a significant increase of 67% or $6.4m compared to FY22. This was a combined result of a capital expenditure underspend of $1.1m in FY22, high work in progress ($1.1m) at the end of FY22, $1.7m higher capex budget in FY23 and $2.5m capex overspend in FY23 mostly due to cyclone Gabrielle recovery and remedial work.

During a 4-year period prior to FY23 (FY19-FY22), we incorrectly included vested assets value in capital expenditure increasing the Roll Forward of Works Under Construction balance. As we consider this misstatement immaterial due to no impact on RAB value, we have only corrected the opening balance of Allocated works under construction in FY23 disclosure.

See schedule 15 for more detail.

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

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

    8.1 Income not included in regulatory profit / (loss) before tax but taxable;

    8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;

    8.3 Income included in regulatory profit / (loss) before tax but not taxable;

    8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

Box 5: Regulatory tax allowance: permanent differences

There was a $0.6m decrease in regulatory tax allowance compared to FY22. The difference is mostly due to lower regulatory profit (-$2.0m) driving lower regulatory taxable income (-$2.2m).

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

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

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

The amounts are immaterial.

Cost allocation (Schedule 5d)

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

Box 7: Cost allocation

Not applicable.

Asset allocation (Schedule 5e)

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

Box 8: Commentary on asset allocation

No asset allocation has been applied.

Capital Expenditure for the Disclosure Year (Schedule 6a)

12. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-

    12.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;

    12.2 information on reclassified items in accordance with subclause 2.7.1.

Box 9: Explanation of capital expenditure for the disclosure year

77% of the capital expenditure is focused on asset replacement and renewal to maintain the network by replacing aging assets. While asset replacement and renewal expenditure is the most significant category, system growth expenditure saw a big increase year-on-year (+237% or $1.9m) due to sub-transmission thermal upgrade and upgrades in Mahia.

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

11kV pole replacements in Gisborne and Wairoa regions;

Red tag poles accelerated replacement project;

Cyclone Gabrielle restorative and remedial work;

Subtransmission grillage and foundations replacements.

There is no materiality threshold applied to the schedule.

There are no items reclassified during the year.

Capital expenditure for the year was $15.2m compared to $9.0m in FY22.

Operational Expenditure for the Disclosure Year (Schedule 6b)

13. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-

    13.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;

    13.2 Information on reclassified items in accordance with subclause 2.7.1(2);

    13.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

Box 10: Explanation of operational expenditure for the disclosure year

Operational expenditure is broken down to Network opex relating to network maintenance ($6.2) and non-network opex supporting the business operations ($6.7m).

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

Service interruptions and emergencies saw an increase of 46% (or $0.9m) for FY23 due to a significant increase in weather events during the disclosure year, most notably Cyclone Hale and Cyclone Gabrielle in January and February 2023.

System operations and network support (SONS) and business support (BS) make up the majority of operational spend, $2.1m and $4.7m respectively for FY23. SONS underspend of $0.5m was largely attributable to a $590k variance in labour capital on-charge on assets commissioned to budget. The single largest item contributing to business support is the shared services management fee $2.8m. This includes services such as costs of governance, IT, accounting, marketing/communications and HR.

There have been no reclassified items during the year.

Variance between forecast and actual expenditure (Schedule 7)

14. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 11: Explanatory comment on variance in actual to forecast expenditure

CAPITAL EXPENDITURE

Customer Connections variance (-$30k)

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

System Growth variances +$599k

The Mahia extension project contributed $435k overspend on forecast due to timing of the purchase and delivery of the 5MVA 33/11kV Tyree Transformer. The second injection point Gisborne Project was overspent by $305k on budget as a result of phasing and the cost of the 50kV 317Hz Ripple Control Transmitter being higher than originally anticipated.

Asset Replacement and Renewal variances +$1,703k

Assets Replacement and Renewal was significantly above forecast as a result of adverse weather, most notably Cyclones Hale and Gabrielle in January and February 23. Unplanned pole and line replacements saw an overspend of $2.4m, this was offset partially by underspends in planned works that had to be deferred as a result of the reactive work due to storms. Red Tag Pole project $697k and 50kV pole replacements $336k the major underspends on forecast.

Reliability, Safety and Environment +$419k

Overspend was a result of no forecast for diesel generator refurbishments and an overspend on forecast of the Cat 1250kVA Generator and purchase of an additional Cat 80kVA Generator and trailer to provide extra network resilience as a result of more frequent adverse weather events.

Non- network Assets (-$112k)

This variance mostly relates vehicle replacement $60k and office rebuild in Wairoa that has again been deferred $42k.

OPERATIONAL EXPENDITURE

Asset Replacement & Renewal (-$155k)

Asset Replacement and Renewal underspent by $155k (-27%). As with the previous year, FY23 saw an abnormally high number of significant weather events, hence unplanned work took priority. The majority of AR&R projects are planned, therefore we expected to see an underspend to budget for the year. Underspends on budget included 400V OH Service Fuse Base & Carrier replacement (-$42k) and TX Earthing system repairs ($-45k) and 110kV Zone Substation maintenance (-$27k).

Routine & Corrective Maintenance & Inspection (-$245k)

Costs in this area were underspent to budget by $245k (-16%). This was primarily due to underspends in 110kV Condition Assessment Report (-$130k), 110kV Inspections and Routine Maintenance (-$88k) and 110kV Repairs (-$63k). Partial offsets to the underspend were overspends in Zone Subs Ground Maintenance (+$34k) and 110kV Access Road Maintenance (+$20k).

Service Interruption & Emergencies +$1,314k

As alluded to above, there were again an abnormally high number of weather events in FY23 in particular Cyclones Hale and Gabrielle causing major damage to the Network and causing the large overspend in this category. Key contributing projects were 11kV Defect Fault Repairs (+$776k), 400V Defect Fault Repairs (+$203k), 50kV Fault Response (+$113k) and and Zone Sub Defect Fault Repairs (+$107k).

Vegetation Management (-$74k)

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

System Operations & Network Support Costs (-$730k)

SONS underspend to budget of $730k drivers were largely attributable a larger capital labour oncharge than budget of (-$590k) and SONS Recharge account which was not originally budgeted for of (-$240k). Increased payroll costs of $152k partially offset the underspend.

Business Support Costs +$867k

Variance against budget for Business Support Costs was due to an increase in Shared service management fee allocation on budget (+$404k) and payroll costs (+$478k).

Information relating to revenues and quantities for the disclosure year

15. In the box below provide-

    15.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and

15.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

Box 12: Explanatory comment relating to revenue for the disclosure year

There is no material difference between target and actual revenue.

Network Reliability for the Disclosure Year (Schedule 10)

16. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10.

Box 13: Commentary on network reliability for the disclosure year

In recent years, both Gisborne and Wairoa have experienced a notable rise in weather events. Specifically, the rain weather warnings have shown a substantial increase of 79% in FY22 compared to FY21, and this trend continued with a further 24% increase in FY23 compared to FY22. The wind event warnings in FY23 remained at a similar level to FY22.

As a consequence of these intensified weather events, the raw SAIDI has seen a significant rise of 263% compared to FY22, indicating a longer duration of power outages. On the other hand, the SAIFI has decreased by 6% compared to FY22, suggesting that although fewer customers were affected, the duration of their power outages was longer. This proves that the primary cause was limited access to fault locations, prolonging the time required for restoration of power.

Furthermore, these weather events caused a 1832% increase in out-of-zone vegetation outages compared to FY22. Adverse weather increased by 240%, and adverse environment increased by 167% during the same period.

There was a 49% increase in outages lasting longer than 3 hours.

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

The information provided in Schedule 10 has been derived from the records kept by the control room. These processes follow Firstlight Outage Data Recording Procedures contained in our Quality Standards Manuals and are typical of industry control room procedures. As these processes are reliant on initial manual paper-based data capture, external verification of completeness of data capture is difficult.

Insurance cover

17. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-

    17.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;

    17.2 In respect of any self-insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 14: Explanation of insurance cover

Network assets such as the substation buildings, zone sub transformers and switchgear, SCADA, other communications equipment excluding fibre-optic cables are insured but lines, poles and cables are not. These assets are insured for replacement cost to a maximum of $79 million.

Firstlight Network Limited has no self-insurance cover.

Amendments to previously disclosed information

18. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:

    18.1 a description of each error; and

    18.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 15: Disclosure of amendment to previously disclosed information

There were no amendments to the previously disclosed information.

Company Name Firstlight Network Limited

For Year Ended 31 March 2023

Schedule 14a Mandatory Explanatory Notes on Forecast Information

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.

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

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

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

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts

This information is being disclosed in the Asset Management Plan (AMP) at the same time as this Information Disclosure as part of Schedule 11a.

Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)

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

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts

This information is being disclosed in the Asset Management Plan (AMP) at the same time as this Information Disclosure as part of Schedule 11b.

Company Name Firstlight Network Limited

For Year Ended 31 March 2023

Schedule 15 Voluntary Explanatory Notes

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)

1. This schedule enables EDBs to provide, should they wish to-

    1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2.

    1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.

2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

As noted previously in Box 4 regarding RAB value, there has been an immaterial misstatement during periods FY19-22 with regards to Capital expenditure in Schedule 6a – Value of Vested Assets. For those four disclosure years the value should have been nil. While this overstatement of capital expenditure did not affect assets commissioned value and therefore regulatory asset base (RAB) value, it has resulted in erroneous calculation of Roll Forward of Works Under Construction.

Below are the submitted and restated values for Vested Assets and Capital expenditure affecting 4(iv): Roll Forward of Works Under Construction Roll Forward of Works Under Construction calculation.

Vested assets value used during periods FY19-22 was the value of assets vested to Eastland Network (now Firstlight Network), rather than the contribution by Eastland Network towards assets being vested to us.

Vested Assets $k

Year	Restated	Submitted
FY2019	-	783
FY2020	-	1,338
FY2021	-	1,552
FY2022	-	1,234

Capital expenditure $k

Year	Restated	Submitted
FY2019	10,668	11,451
FY2020	9,015	10,353
FY2021	9,229	10,781
FY2022	9,005	10,239

Clause 2.9.2

We, Mark Adrian Ratcliffe and Fiona Ann Oliver, being directors of Firstlight Network Limited certify that, having made all reasonable enquiry, to the best of our knowledge-

a) the information prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, and 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and

b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10, and 14 has been properly extracted from the Firstlight Network Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained except in the case of recording of outage information contained in Schedule 10. While we believe that sufficient records are maintained, third party verification of the completeness of this data is difficult to achieve.

c) In respect of information concerning assets, costs and revenues valued or disclosed in accordance with clause 2.3.6 of the Electricity Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012, we are satisfied that-

    i. the costs and values of assets or goods or services acquired from a related party comply, in all material respects, with clauses 2.3.6(1) and 2.3.6(3) of the Electricity Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5)(a)-2.2.11(5)(b) of the Electricity Distribution Services Input Methodologies Determination 2012; and

    ii. the value of assets or goods or services sold or supplied to a related party comply, in all material respects, with clause 2.3.6(2) of the Electricity Distribution Information Disclosure Determination 2012.

Director: Mark Adrian Ratcliffe	Director: Fiona Ann Oliver
25 August 2023	25 August 2023
Date	Date

Independent Assurance Report to the Directors of Firstlight Network Limited (Formerly Eastland Network Limited) and to the Commerce Commission on the Disclosure Information for the Disclosure Year Ended 31 March 2023 as required by the Electricity Distribution Information Disclosure Determination 2012 (Consolidated 6 July 2023)

The Firstlight Network Limited (the company) is required to disclose certain information under the Electricity Distribution Information Disclosure Determination 2012 (consolidated 6 July 2023) (the Determination) and to procure an assurance report by an independent auditor in terms of section 2.8.1 of the Determination.

The Auditor-General is the auditor of the company.

The Auditor-General has appointed me, Brett Tomkins, using the staff and resources of Deloitte Limited, to undertake a reasonable assurance engagement, on his behalf, on whether the information prepared by the company for the disclosure year ended 31 March 2023 (the Disclosure Information) complies, in all material respects, with the Determination.

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

- Schedules 1 to 4, 5a to 5g, 6a and 6b, 7, 10 and 14 (limited to the explanatory notes in boxes 1 to 11) of the Determination.
- Clause 2.3.6 of the Determination and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012 (consolidated 20 May 2020) (the IM Determination), in respect of the basis for valuation of related party transactions (the Related Party Transaction Information).

This assurance report should be read in conjunction with the Commerce Commission's Information Disclosure exemption, issued to all electricity distribution businesses on 26 May 2023 under clause 2.11.1 of the Determination. The Commerce Commission granted an exemption from the requirement that the assurance report, in respect of the information in Schedule 10 of the Determination, must take into account any issues arising out of the company's recording of SAIDI, SAIFI, and number of interruptions due to successive interruptions.

Opinion

In our opinion, in all material respects:

- as far as appears from an examination, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the company;
- as far as appears from an examination, the information used in the preparation of the Disclosure Information has been properly extracted from the company's accounting and other records, sourced from the company's financial and non-financial systems;
- the Disclosure Information complies, in all material respects, with the Determination; and
- the basis for valuation of related party transactions complies with the Determination and the IM Determination.

Basis for opinion

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

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

Key Assurance Matters

Key assurance matters are those matters that, in our professional judgement, required significant attention when carrying out the assurance engagement during the current disclosure year. These matters were addressed in the context of our compliance engagement, and in forming our opinion. We do not provide a separate opinion on these matters.

Key Assurance Matter	How our procedures addressed the key assurance matter
Valuation of related party goods and services at arms-length The basis of valuation of related party transactions are required to be disclosed on Schedule 5b of the disclosure information. The Directors have determined that the related party transactions identified have occurred at arms-length by comparing related party terms and conditions, including pricing, to external transactions and information. The Company also charges related parties for line charges. The Company receives fault, maintenance, and electrical contract services from related parties. The Company also received administration services provided to the Company by its related parties, and these services are on-charged in the form of a management fee using an annual allocation of costs. Due to the judgements and assumptions associated with the allocation of administration costs to the Company, along with the inherent judgment associated with the valuation of the goods or services on an arms-length basis, these matters have been identified as a key audit matter.	A detailed listing of all transactions impacting the company for the disclosure year ended 31 March 2023 was obtained and compared to the list of entities and transactions included on Schedule 5b. We also obtained management's methodology of how they determined the transactions were related party transactions and their assessment of these transactions at arm's length. Our procedures over the valuation of related party goods and services at arms-length included: Goods and services (excluding administration services) • agreeing on a sample basis, the transactions listed on Schedule 5b to external transactions and information and tracing the amounts to the terms, conditions and prices of comparative external transactions or information. Administration services • obtaining the management fees calculation from Group management; • assessing the rationale and basis of the management fees in line with our understanding of the Group; • agreeing the total costs allocated to budgets used to set the management fees and comparing to actual spend; • tracing the inputs used to perform the calculation to supporting documentation as considered relevant; and • recalculating the allocations and agreeing the amount charged to the Company reported on Schedule 5b.

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

Directors' responsibilities

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

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

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

Auditor's responsibilities

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

- as far as appears from an examination, the information used in the preparation of the audited Disclosure Information has been properly extracted from the company's accounting and other records, sourced from its financial and non-financial systems;
- as far as appears from an examination, proper records to enable the complete and accurate compilation of the audited Disclosure Information required by the Determination have been kept by the company and, if not, the records not so kept;
- the company complied, in all material respects, with the Determination in preparing the audited Disclosure Information; and
- the company's basis for valuation of related party transactions in the disclosure year has complied, in all material respects, with clause 2.3.6 of the Determination and clauses 2.2.11(1)(g) and 2.2.11(5) of the IM Determination.

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

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

Inherent limitations

Because of the inherent limitations of an assurance engagement, together with the internal control structure, it is possible that fraud, error or non-compliance with the Determination may occur and not be detected.

A reasonable assurance engagement throughout the disclosure year does not provide assurance on whether compliance with the Determination will continue in the future.

Restricted use

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

Independence and quality control

We complied with the Auditor-General's:

- independence and other ethical requirements, which incorporate the requirements of Professional and Ethical Standard 1 International Code of Ethics for Assurance Practitioners (including International Independence Standards) (New Zealand) (PES 1) issued by the New Zealand Auditing and Assurance Standards Board; and
- quality management requirements, which incorporate Professional and Ethical Standard 3 Quality Management for Firms that perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements (PES 3) issued by the New Zealand Auditing and Assurance Standards Board. PES 3 requires our firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

The Auditor-General, and his employees, and Deloitte Limited and its partners and employees may deal with the company[1] on normal terms within the ordinary course of trading activities of the company. Other than any dealings on normal terms within the ordinary course of trading activities of the company, this engagement[2], the assurance engagement on the

Default Price-Quality Path and the annual audit of the company's financial statements and performance information, we have no relationship with, or interests in, the company.[3]

Deloitte Limited

Brett Tomkins
Partner
for Deloitte Limited
On behalf of the Auditor-General
Auckland, New Zealand
25 August 2023