2019

thelines company

Information Disclosure

Year End 31 March 2019

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INDEX

Section 1	**FINANCIAL INFORMATION FOR THE DISCLOSURE YEAR**	
Schedule 1	Analytical Ratios	
Schedule 2	Report on Return on Investment	
Schedule 3	Report on Regulatory Profit	
Schedule 4	Report on Value of the Regulatory Asset Base (Rolled Forward)	
Schedule 5a	Report on Regulatory Tax Allowance	
Schedule 5b	Report on Related Party Transactions	
Schedule 5c	Report on Term Credit Spread Differential Allowance	
Schedule 5d	Report on Cost Allocations	
Schedule 5e	Report on Asset Allocations	
Schedule 6a	Report on Capital Expenditure for the Disclosure Year	
Schedule 6b	Report on Operational Expenditure for the Disclosure Year	
Schedule 7	Comparison of Forecasts to Actual Expenditure	
Section 2	**PRICING AND RELATED INFORMATION**	
Schedule 8	Report on Billed Quantities and Line Charge Revenues (by Price Component)	
Section 3	**NON-FINANCIAL INFORMATION RELATING TO NETWORK ASSETS**	
Schedule 9a	Asset Register	
Schedule 9b	Asset Age Profile	
Schedule 9c	Report on Overhead Lines	
Schedule 9d	Report on Embedded Networks	
Schedule 9e	Report on Demand	
Schedule 10	Report on Network Reliability	
Section 4	**ASSET MANAGEMENT PLANS AND FORECAST INFORMATION**	
Schedule 11a	Report on Forecast Capital Expenditure	
Schedule 11b	Report on Forecast Operational Expenditure	
Schedule 12a	Report on Asset condition	
Schedule 12b	Report on Forecast Capacity	
Schedule 12c	Report on Forecast Network Demand	
Schedule 12d	Report on Forecast Interruptions and Durations	
Section 5	**EXPLANATORY NOTES TO DISCLOSED INFORMATION**	
Schedule 14	Mandatory Explanation Notes	
Schedule 14a	Mandatory Explanation Notes on Forecast Information	
Schedule 15	Voluntary Explanatory Notes	
Section 6	**ASSURANCE REPORTS**	
Section 7	**CERTIFICATES**	
Schedule 18	Certification for Year-end Disclosures	

1

FINANCIAL INFORMATION FOR THE DISCLOSURE YEAR

		Page
Cover Sheet	Information Template for Schedules 1-10	4
Schedule 1	Analytical Ratios	5
Schedule 2	Report on Return on Investment	6
Schedule 3	Report on Regulatory Profit	8
Schedule 4	Report on Value of the Regulatory Asset Base (Rolled Forward)	10
Schedule 5a	Report on Regulatory Tax Allowance	13
Schedule 5b	Report on Related Party Transactions	15
Schedule 5c	Report on Term Credit Spread Differential Allowance	16
Schedule 5d	Report on Cost Allocations	17
Schedule 5e	Report on Asset Allocations	20
Schedule 6a	Report on Capital Expenditure for the Disclosure Year	21
Schedule 6b	Report on Operational Expenditure for the Disclosure Year	23
Schedule 7	Comparison of Forecasts to Actual Expenditure	24

EDB Information Disclosure Requirements

Information Templates

for

Schedules 1–10

Company Name	The Lines Company Limited
Disclosure Date	31 March 2019
Disclosure Year (year ended)	31 March 2019

Templates for Schedules 1–10 excluding 5f–5g

Template Version 4.1. Prepared 21 December 2017

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

1(i): Expenditure metrics

		Expenditure per GWh energy delivered to ICPs ($/GWh)	Expenditure per average no. of ICPs ($/ICP)	Expenditure per MW maximum coincident system demand ($/MW)	Expenditure per km circuit length ($/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers ($/MVA)
9	**Operational expenditure**	37,216	601	194,999	3,232	57,709
10	Network	10,013	162	52,465	870	15,527
11	Non-network	27,203	439	142,534	2,363	42,183
12						
13	**Expenditure on assets**	58,714	948	307,641	5,099	91,046
14	Network	53,171	859	278,593	4,618	82,449
15	Non-network	5,544	90	29,047	481	8,597

1(ii): Revenue metrics

		Revenue per GWh energy delivered to ICPs ($/GWh)	Revenue per average no. of ICPs ($/ICP)
19	**Total consumer line charge revenue**	113,217	1,829
20	Standard consumer line charge revenue	132,800	1,570
21	Non-standard consumer line charge revenue	60,254	98,315

1(iii): Service intensity measures

25	Demand density	17	*Maximum coincident system demand per km of circuit length (for supply) (kW/km)*
26	Volume density	87	*Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)*
27	Connection point density	5	*Average number of ICPs per km of circuit length (for supply) (ICPs/km)*
28	Energy intensity	16,151	*Total energy delivered to ICPs per average number of ICPs (kWh/ICP)*

1(iv): Composition of regulatory income

		($000)	% of revenue
32	Operational expenditure	14,173	33.09%
33	Pass-through and recoverable costs excluding financial incentives and wash-ups	7,576	17.69%
34	Total depreciation	8,412	19.64%
35	Total revaluations	2,794	6.52%
36	Regulatory tax allowance	1,877	4.38%
37	Regulatory profit/(loss) including financial incentives and wash-ups	13,591	31.73%
38	**Total regulatory income**	42,834	

1(v): Reliability

42	Interruption rate	33.87	*Interruptions per 100 circuit km*

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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 17	31 Mar 18	31 Mar 19
9	**ROI – comparable to a post tax WACC**	%	%	%
10	Reflecting all revenue earned	6.94%	6.89%	6.97%
11	Excluding revenue earned from financial incentives	6.94%	6.89%	7.11%
12	Excluding revenue earned from financial incentives and wash-ups	6.94%	6.89%	7.23%
13				
14	**Mid-point estimate of post tax WACC**	4.77%	5.04%	4.75%
15	25th percentile estimate	4.05%	4.36%	4.07%
16	75th percentile estimate	5.48%	5.72%	5.43%
17				
18				
19	**ROI – comparable to a vanilla WACC**			
20	Reflecting all revenue earned	7.49%	7.45%	7.48%
21	Excluding revenue earned from financial incentives	7.49%	7.45%	7.62%
22	Excluding revenue earned from financial incentives and wash-ups	7.49%	7.45%	7.74%
23				
24	**WACC rate used to set regulatory price path**	7.19%	7.19%	7.19%
25				
26	**Mid-point estimate of vanilla WACC**	5.31%	5.60%	5.26%
27	25th percentile estimate	4.59%	4.92%	4.58%
28	75th percentile estimate	6.03%	6.29%	5.94%
29				

30	**2(ii): Information Supporting the ROI**		($000)	
31				
32	Total opening RAB value	188,819		
33	*plus* Opening deferred tax	(12,008)		
34	**Opening RIV**		176,811	
35				
36	**Line charge revenue**		43,115	
37				
38	Expenses cash outflow	21,748		
39	*add* Assets commissioned	23,463		
40	*less* Asset disposals	347		
41	*add* Tax payments	(227)		
42	*less* Other regulated income	(281)		
43	**Mid-year net cash outflows**		44,918	
44				
45	**Term credit spread differential allowance**		–	
46				
47	Total closing RAB value	206,316		
48	*less* Adjustment resulting from asset allocation	(0)		
49	*less* Lost and found assets adjustment	–		
50	*plus* Closing deferred tax	(14,111)		
51	**Closing RIV**		192,205	
52				
53	**ROI – comparable to a vanilla WACC**			7.48%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			4.33%
57	Corporate tax rate (%)			28%
58				
59	**ROI – comparable to a post tax WACC**			6.97%
60				

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

2(iii): Information Supporting the Monthly ROI

Opening RIV — N/A

	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April						–
May						–
June						–
July						–
August						–
September						–
October						–
November						–
December						–
January						–
February						–
March						–
Total	–	–	–	–	–	–

Tax payments — N/A

Term credit spread differential allowance — N/A

Closing RIV — N/A

Monthly ROI – comparable to a vanilla WACC — N/A

Monthly ROI – comparable to a post tax WACC — N/A

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

Year-end ROI – comparable to a vanilla WACC — 7.55%

Year-end ROI – comparable to a post tax WACC — 7.04%

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

2(v): Financial Incentives and Wash-Ups

Net recoverable costs allowed under incremental rolling incentive scheme	–	
Purchased assets – avoided transmission charge		
Energy efficiency and demand incentive allowance		
Quality incentive adjustment	(351)	
Other financial incentives		
Financial incentives		(351)

Impact of financial incentives on ROI — –0.14%

Input methodology claw-back		
CPP application recoverable costs		
Catastrophic event allowance		
Capex wash-up adjustment	(291)	
Transmission asset wash-up adjustment		
2013–15 NPV wash-up allowance		
Reconsideration event allowance		
Other wash-ups		
Wash-up costs		(291)

Impact of wash-up costs on ROI — –0.12%

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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			($000)
7	**3(i): Regulatory Profit**		
8		**Income**	
9		Line charge revenue	43,115
10	*plus*	Gains / (losses) on asset disposals	(281)
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)	
12			
13		**Total regulatory income**	42,834
14		**Expenses**	
15	*less*	Operational expenditure	14,173
16			
17	*less*	Pass-through and recoverable costs excluding financial incentives and wash-ups	7,576
18			
19		**Operating surplus / (deficit)**	21,086
20			
21	*less*	Total depreciation	8,412
22			
23	*plus*	Total revaluations	2,794
24			
25		**Regulatory profit / (loss) before tax**	15,468
26			
27	*less*	Term credit spread differential allowance	–
28			
29	*less*	Regulatory tax allowance	1,877
30			
31		**Regulatory profit/(loss) including financial incentives and wash-ups**	13,591
32			

			($000)	
33	**3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups**			
34		**Pass through costs**		
35		Rates	321	
36		Commerce Act levies	84	
37		Industry levies	86	
38		CPP specified pass through costs		
39		**Recoverable costs excluding financial incentives and wash-ups**		
40		Electricity lines service charge payable to Transpower	5,411	
41		Transpower new investment contract charges		
42		System operator services		
43		Distributed generation allowance	1,673	
44		Extended reserves allowance		
45		Other recoverable costs excluding financial incentives and wash-ups		
46		**Pass-through and recoverable costs excluding financial incentives and wash-ups**		7,576
47				

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

3(iii): Incremental Rolling Incentive Scheme

($000)

	CY-1 31 Mar 18	CY 31 Mar 19
Allowed controllable opex		
Actual controllable opex		
Incremental change in year		

		Previous years' incremental change	Previous years' incremental change adjusted for inflation
CY-5	31 Mar 14		
CY-4	31 Mar 15		
CY-3	31 Mar 16		
CY-2	31 Mar 17		
CY-1	31 Mar 18		
Net incremental rolling incentive scheme			–
Net recoverable costs allowed under incremental rolling incentive scheme			–

3(iv): Merger and Acquisition Expenditure

	($000)
Merger and acquisition expenditure	

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)

3(v): Other Disclosures

	($000)
Self-insurance allowance	

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

		for year ended	RAB 31 Mar 15 ($000)	RAB 31 Mar 16 ($000)	RAB 31 Mar 17 ($000)	RAB 31 Mar 18 ($000)	RAB 31 Mar 19 ($000)
10		**Total opening RAB value**	175,959	177,215	179,554	184,139	188,819
12	*less*	**Total depreciation**	9,265	9,113	8,597	8,490	8,412
14	*plus*	**Total revaluations**	147	1,033	3,873	2,013	2,794
16	*plus*	**Assets commissioned**	10,691	10,848	9,767	12,035	23,463
18	*less*	**Asset disposals**	317	429	458	879	347
20	*plus*	**Lost and found assets adjustment**	–	–	–	–	–
22	*plus*	**Adjustment resulting from asset allocation**	–	–	–	0	(0)
24		**Total closing RAB value**	177,215	179,554	184,139	188,819	206,316

4(ii): Unallocated Regulatory Asset Base

			Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
29		**Total opening RAB value**		189,170		188,819
31	*less*	**Total depreciation**		8,516		8,412
33	*plus*	**Total revaluations**		2,799		2,794
35	*plus*	Assets commissioned (other than below)	12,074		11,546	
36		Assets acquired from a regulated supplier				
37		Assets acquired from a related party	11,917		11,917	
38		**Assets commissioned**		23,991		23,463
40	*less*	Asset disposals (other than below)	351		347	
41		Asset disposals to a regulated supplier				
42		Asset disposals to a related party				
43		**Asset disposals**		351		347
45	*plus*	**Lost and found assets adjustment**				
47	*plus*	**Adjustment resulting from asset allocation**				(0)
49		**Total closing RAB value**		207,093		206,316

** 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.*

					Company Name	**The Lines Company Limited**	
					For Year Ended	**31 March 2019**	

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**							
53								
54			CPI_4					1,026
55			CPI_4^{-4}					1,011
56			Revaluation rate (%)					1.48%
57								
58					**Unallocated RAB ***		**RAB**	
59					**($000)**	**($000)**	**($000)**	**($000)**
60			Total opening RAB value		189,170		188,819	
61		*less*	Opening value of fully depreciated, disposed and lost assets		526		502	
62								
63			Total opening RAB value subject to revaluation		188,644		188,317	
64			**Total revaluations**			2,799		2,794
65								
66	**4(iv): Roll Forward of Works Under Construction**							
67					**Unallocated works under construction**		**Allocated works under construction**	
68			**Works under construction—preceding disclosure year**			3,710		3,033
69		*plus*	Capital expenditure		22,752		22,726	
70		*less*	Assets commissioned		23,991		23,463	
71		*plus*	Adjustment resulting from asset allocation					
72			**Works under construction - current disclosure year**			2,471		2,297
73								
74			Highest rate of capitalised finance applied					1.93%
75								

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

		Unallocated RAB * ($000)	($000)	RAB ($000)	($000)
79	Depreciation - standard	7,995		7,995	
80	Depreciation - no standard life assets	520		417	
81	Depreciation - modified life assets				
82	Depreciation - alternative depreciation in accordance with CPP				
83	**Total depreciation**		8,516		8,412

4(vi): Disclosure of Changes to Depreciation Profiles

($000 unless otherwise specified)

	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					

** include additional rows if needed*

4(vii): Disclosure by Asset Category

($000 unless otherwise specified)

		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**	12,619	360	19,496	72,105	19,223	30,270	16,568	16,803	1,373	188,819	
100	*less* Total depreciation	654	13	822	2,801	1,234	1,470	724	278	417	8,412	
101	*plus* Total revaluations	194	5	319	1,088	366	452	256	89	24	2,794	
102	*plus* Assets commissioned	1,467	60	8,987	7,067	213	1,910	1,221	426	2,111	23,463	
103	*less* Asset disposals	–	–	8	–	–	308	12	–	19	347	
104	*plus* Lost and found assets adjustment										–	
105	*plus* Adjustment resulting from asset allocation										–	
106	*plus* Asset category transfers	1,189	–	2,239	1,308	4,902	501	729	(10,869)		–	
107	**Total closing RAB value**	14,816	412	30,212	78,768	23,471	31,355	18,038	6,171	3,073	206,316	
108												
109	**Asset Life**											
110	Weighted average remaining asset life	31.2	44.0	28.1	38.2	36.7	28.9	31.8	17.3	8.5		(years)
111	Weighted average expected total asset life	53.5	56.1	44.3	56.1	52.4	45.0	41.3	22.2	7.4		(years)

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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**			15,468
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		*	
12		Amortisation of initial differences in asset values	4,085		
13		Amortisation of revaluations	681		
14					4,766
15					
16	*less*	Total revaluations	2,794		
17		Income included in regulatory profit / (loss) before tax but not taxable		*	
18		Discretionary discounts and customer rebates	7,590		
19		Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*	
20		Notional deductible interest	3,148		
21					13,532
22					
23		**Regulatory taxable income**			6,702
24					
25	*less*	Utilised tax losses			
26		Regulatory net taxable income			6,702
27					
28		Corporate tax rate (%)	28%		
29		**Regulatory tax allowance**			1,877
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	88,046		
37	*less*	Amortisation of initial differences in asset values	4,085		
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			83,961
41					
42		Opening weighted average remaining useful life of relevant assets (years)			22
43					

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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					
44	**5a(iv): Amortisation of Revaluations**				**($000)**
45					
46		Opening sum of RAB values without revaluations		166,615	
47					
48		Adjusted depreciation		7,731	
49		Total depreciation		8,412	
50		Amortisation of revaluations			681
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**		(12,008)	
61					
62	*plus*	Tax effect of adjusted depreciation		2,165	
63					
64	*less*	Tax effect of tax depreciation		1,212	
65					
66	*plus*	Tax effect of other temporary differences*		(2,005)	
67					
68	*less*	Tax effect of amortisation of initial differences in asset values		1,144	
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		(93)	
73					
74	*plus*	Deferred tax cost allocation adjustment		0	
75					
76		**Closing deferred tax**			(14,111)
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**		45,756	
84	*less*	Tax depreciation		4,330	
85	*plus*	Regulatory tax asset value of assets commissioned		13,376	
86	*less*	Regulatory tax asset value of asset disposals		14	
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**			54,788

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

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

sch ref

5b(i): Summary—Related Party Transactions

	($000)	($000)
Total regulatory income		3
Market value of asset disposals		
Service interruptions and emergencies	703	
Vegetation management	14	
Routine and corrective maintenance and inspection	433	
Asset replacement and renewal (opex)	181	
Network opex		1,331
Business support	867	
System operations and network support	–	
Operational expenditure		2,198
Consumer connection	839	
System growth	963	
Asset replacement and renewal (capex)	7,842	
Asset relocations	2	
Quality of supply	942	
Legislative and regulatory	–	
Other reliability, safety and environment	1,328	
Expenditure on non-network assets		–
Expenditure on assets		11,917
Cost of financing		
Value of capital contributions		
Value of vested assets		
Capital Expenditure		11,917
Total expenditure		14,115
Other related party transactions		153

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

Name of related party	Nature of opex or capex service provided	Total value of transactions ($000)
Network Services	Service interruptions and emergencies	703
Network Services	Vegetation management	14
Network Services	Routine and corrective maintenance and inspection	433
Network Services	Asset replacement and renewal (opex)	181
Network Services	Consumer connection	839
Network Services	Quality of supply	942
Network Services	Other reliability, safety and environment	1,328
Network Services	Asset relocations	2
Network Services	Asset replacement and renewal (capex)	7,842
Network Services	System growth	963
Network Services	Business support	33
Financial Corporation Limited	Business support	834
Total value of related party transactions		14,115

** include additional rows if needed*

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

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

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

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

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

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

5d(i): Operating Cost Allocations

		Value allocated ($000s)			
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000s)
Service interruptions and emergencies					
Directly attributable		1,188			
Not directly attributable				–	
Total attributable to regulated service		1,188			
Vegetation management					
Directly attributable		1,090			
Not directly attributable				–	
Total attributable to regulated service		1,090			
Routine and corrective maintenance and inspection					
Directly attributable		1,248			
Not directly attributable				–	
Total attributable to regulated service		1,248			
Asset replacement and renewal					
Directly attributable		287			
Not directly attributable				–	
Total attributable to regulated service		287			
System operations and network support					
Directly attributable		1,902			
Not directly attributable				–	
Total attributable to regulated service		1,902			
Business support					
Directly attributable		3,570			
Not directly attributable		4,887	1,320	6,208	
Total attributable to regulated service		8,457			
Operating costs directly attributable		9,285			
Operating costs not directly attributable	–	4,887	1,320	6,208	–
Operational expenditure		14,173			

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

5d(ii): Other Cost Allocations

		($000)
	Pass through and recoverable costs	
	Pass through costs	
	Directly attributable	491
	Not directly attributable	
	Total attributable to regulated service	491
	Recoverable costs	
	Directly attributable	7,084
	Not directly attributable	
	Total attributable to regulated service	7,084

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

Change in cost allocation 1

			CY-1	Current Year (CY)
Cost category	Corporate	Original allocation	1,041	1,299
Original allocator or line items	Specific Analysis	New allocation	833	1,039
New allocator or line items	Revenue	Difference	208	260

Rationale for change: Reviewed proxy percentage allocation based on total revenue (2018-90%,2019-80%)

Change in cost allocation 2

			CY-1	Current Year (CY)
Cost category	Finance	Original allocation	1,070	1,201
Original allocator or line items	Specific Analysis	New allocation	877	985
New allocator or line items	Time Allocation	Difference	193	216

Rationale for change: Reviewed proxy percentage allocation based on time (2018-75%,2019-82%)

Change in cost allocation 3

			CY-1	Current Year (CY)
Cost category	HR	Original allocation	300	543
Original allocator or line items	Specific Analysis	New allocation	225	407
New allocator or line items	Head Count	Difference	75	136

Rationale for change: Reviewed proxy percentage allocation based on head count (2018-50%,2019-75%)

Change in cost allocation 4

			CY-1	Current Year (CY)
Cost category	IT	Original allocation	519	696
Original allocator or line items	Specific Analysis	New allocation	472	634

				Company Name	**The Lines Company Limited**	
				For Year Ended	**31 March 2019**	

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						
82	New allocator or line items	Head Count		Difference	47	62
83						
84	Rationale for change	Reviewed proxy percentage allocation based on head count (2018-90%,2019-91%)				
85						
86						
87						
88	**Change in cost allocation 5**				**CY-1**	**Current Year (CY)**
89	Cost category	PR		Original allocation	721	909
90	Original allocator or line items	Specific Analysis		New allocation	649	818
91	New allocator or line items	Time Allocation		Difference	72	91
92						
93	Rationale for change	Reviewed proxy percentage allocation based on time (2018-90%,2019-90%)				
94						
95						
96						
97	**Change in cost allocation 6**				**CY-1**	**Current Year (CY)**
98	Cost category	Building		Original allocation	169	208
99	Original allocator or line items	Specific Analysis		New allocation	154	194
100	New allocator or line items	Head Count		Difference	15	14
101						
102	Rationale for change	Reviewed proxy percentage allocation based on head count (2018-90%,2019-91%)				
103						
104						
105						
106	**Change in cost allocation 7**				**CY-1**	**Current Year (CY)**
107	Cost category	Metering		Original allocation	–	1,352
108	Original allocator or line items	Not Allocated		New allocation	–	811
109	New allocator or line items	Pricing Methodology		Difference	–	541
110						
111	Rationale for change	Due to pricing methodology changes, allocated 60%				
112						
113						
114	** 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.*					
115	*† include additional rows if needed*					

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

5e(i): Regulated Service Asset Values

	Value allocated ($000s) Electricity distribution services
Subtransmission lines	
Directly attributable	14,816
Not directly attributable	
Total attributable to regulated service	14,816
Subtransmission cables	
Directly attributable	412
Not directly attributable	
Total attributable to regulated service	412
Zone substations	
Directly attributable	30,212
Not directly attributable	
Total attributable to regulated service	30,212
Distribution and LV lines	
Directly attributable	78,768
Not directly attributable	
Total attributable to regulated service	78,768
Distribution and LV cables	
Directly attributable	23,471
Not directly attributable	
Total attributable to regulated service	23,471
Distribution substations and transformers	
Directly attributable	31,355
Not directly attributable	
Total attributable to regulated service	31,355
Distribution switchgear	
Directly attributable	18,038
Not directly attributable	
Total attributable to regulated service	18,038
Other network assets	
Directly attributable	6,171
Not directly attributable	
Total attributable to regulated service	6,171
Non-network assets	
Directly attributable	2,458
Not directly attributable	615
Total attributable to regulated service	3,073
Regulated service asset value directly attributable	205,702
Regulated service asset value not directly attributable	615
Total closing RAB value	206,316

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

Change in asset value allocation 1

			($000) CY-1	($000) Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–

Rationale for change

Change in asset value allocation 2

			($000) CY-1	($000) Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–

Rationale for change

Change in asset value allocation 3

			($000) CY-1	($000) Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–

Rationale for change

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

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

6a(i): Expenditure on Assets

			($000)	($000)
8		Consumer connection		6,281
9		System growth		1,073
10		Asset replacement and renewal		9,078
11		Asset relocations		3
12		Reliability, safety and environment:		
13		Quality of supply	1,685	
14		Legislative and regulatory	–	
15		Other reliability, safety and environment	2,129	
16		**Total reliability, safety and environment**		3,813
17		**Expenditure on network assets**		20,248
18		Expenditure on non-network assets		2,111
19				
20		**Expenditure on assets**		22,359
21	*plus*	Cost of financing		392
22	*less*	Value of capital contributions		25
23	*plus*	Value of vested assets		
24				
25		**Capital expenditure**		22,726

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	

6a(iii): Consumer Connection

		*Consumer types defined by EDB**	($000)	($000)
32		Standard: Service Level Urban A	4,749	
33		Standard: Service Level Rural B	115	
		Standard: Service Level Rural C	189	
		Standard: Service Level Rural D	247	
		Standard: Service Level Remote Rural E	51	
34		Standard: Service Level Remote Rural F	32	
36		Non Standard Customer Connection	899	
37		** include additional rows if needed*		
38		**Consumer connection expenditure**		6,281
39				
40	*less*	Capital contributions funding consumer connection expenditure	25	
41		**Consumer connection less capital contributions**		6,256

6a(iv): System Growth and Asset Replacement and Renewal

			System Growth ($000)	Asset Replacement and Renewal ($000)
45		Subtransmission	–	1,275
46		Zone substations	48	1,058
47		Distribution and LV lines	822	5,496
48		Distribution and LV cables	27	93
49		Distribution substations and transformers	–	472
50		Distribution switchgear	176	401
51		Other network assets	–	284
52		**System growth and asset replacement and renewal expenditure**	1,073	9,078
53	*less*	Capital contributions funding system growth and asset replacement and renewal		
54		**System growth and asset replacement and renewal less capital contributions**	1,073	9,078
55				

6a(v): Asset Relocations

		*Project or programme**	($000)	($000)
58		Equipment Relocations - Miscellaneous	3	
59				
60				
61				
62				
63		** include additional rows if needed*		
64		All other projects or programmes - asset relocations		
65		**Asset relocations expenditure**		3
66	*less*	Capital contributions funding asset relocations		
67		**Asset relocations less capital contributions**		3

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

6a(vi): Quality of Supply

	*Project or programme**	($000)	($000)
	11kV Fdr Dev - Feeder Development	78	
	11kV Fdr Dev - Switch Automation and Renewal	161	
	Sub & 33 Dev - 33kV Lines	280	
	Sub & 33 Dev - Substations	1,165	
	** include additional rows if needed*		
	All other projects programmes - quality of supply		
	Quality of supply expenditure		1,685
less	Capital contributions funding quality of supply		
	Quality of supply less capital contributions		1,685

6a(vii): Legislative and Regulatory

	*Project or programme**	($000)	($000)
	** include additional rows if needed*		
	All other projects or programmes - legislative and regulatory		
	Legislative and regulatory expenditure		–
less	Capital contributions funding legislative and regulatory		
	Legislative and regulatory less capital contributions		–

6a(viii): Other Reliability, Safety and Environment

	*Project or programme**	($000)	($000)
	11kV Fdr Dev - Switchgear for Safety	333	
	Sub & 33 Dev - Substations	541	
	Sub & 33 Dev - Supply Points	73	
	Tx & Service Boxes - 2 Pole Structures	115	
	Tx & Service Boxes - GMT	1,067	
	** include additional rows if needed*		
	All other projects or programmes - other reliability, safety and environment		
	Other reliability, safety and environment expenditure		2,129
less	Capital contributions funding other reliability, safety and environment		
	Other reliability, safety and environment less capital contributions		2,129

6a(ix): Non-Network Assets

Routine expenditure

	*Project or programme**	($000)	($000)
	Computers	168	
	Furniture & Fittings	86	
	Intangibles	132	
	Motor Vehicles	188	
	Office Equipments	12	
	Plant	28	
	** include additional rows if needed*		
	All other projects or programmes - routine expenditure		
	Routine expenditure		615

Atypical expenditure

	*Project or programme**	($000)	($000)
	Billing Software	1,497	
	** include additional rows if needed*		
	All other projects or programmes - atypical expenditure		
	Atypical expenditure		1,497
	Expenditure on non-network assets		2,111

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

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

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.
EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref		($000)	($000)
7	**6b(i): Operational Expenditure**		
8	Service interruptions and emergencies	1,188	
9	Vegetation management	1,090	
10	Routine and corrective maintenance and inspection	1,248	
11	Asset replacement and renewal	287	
12	**Network opex**		3,813
13	System operations and network support	1,902	
14	Business support	8,457	
15	**Non-network opex**		10,359
16			
17	**Operational expenditure**		14,173
18	**6b(ii): Subcomponents of Operational Expenditure (where known)**		
19	Energy efficiency and demand side management, reduction of energy losses		84
20	Direct billing*		1,855
21	Research and development		
22	Insurance		279
23	** Direct billing expenditure by suppliers that directly bill the majority of their consumers*		

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

sch ref

		Target ($000) [1]	Actual ($000)	% variance
7	**7(i): Revenue**			
8	Line charge revenue	41,900	43,115	3%
		Forecast ($000) [2]	**Actual ($000)**	**% variance**
9	**7(ii): Expenditure on Assets**			
10	Consumer connection	4,937	6,281	27%
11	System growth	1,097	1,073	(2%)
12	Asset replacement and renewal	7,882	9,078	15%
13	Asset relocations	12	3	(79%)
14	Reliability, safety and environment:			
15	Quality of supply	2,054	1,685	(18%)
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	1,610	2,129	32%
18	**Total reliability, safety and environment**	3,664	3,813	4%
19	**Expenditure on network assets**	17,592	20,248	15%
20	Expenditure on non-network assets	785	2,111	169%
21	Expenditure on assets	18,377	22,359	22%
22	**7(iii): Operational Expenditure**			
23	Service interruptions and emergencies	1,165	1,188	2%
24	Vegetation management	984	1,090	11%
25	Routine and corrective maintenance and inspection	1,199	1,248	4%
26	Asset replacement and renewal	190	287	51%
27	**Network opex**	3,538	3,813	8%
28	System operations and network support	2,520	1,902	(25%)
29	Business support	6,143	8,457	38%
30	**Non-network opex**	8,663	10,359	20%
31	**Operational expenditure**	12,201	14,173	16%
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	–	84	–
39	Direct billing	2,207	1,855	(16%)
40	Research and development		–	–
41	Insurance	193	279	45%
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)*

2

PRICING AND RELATED INFORMATION

		Page
Schedule 8	Report on Billed Quantities and Line Charge Revenues (by Price Component)	26

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)
Hangatiki (HT)	Standard	Standard	8,905	50,471
	Streetlights	Standard		
	Major Use - Standard	Standard	18	26,148
	Major Use - Non-standard	Non-standard	8	77,787
National Park (NP)	Standard	Standard	803	8,964
	Streetlights	Standard		
	Major Use - Standard	Standard	3	3,261
	Major Use - Non-standard	Non-standard	11	2,112
Ohakune (OK)	Standard	Standard	1,997	21,985
	Streetlights	Standard		
	Major Use - Standard	Standard	–	–
	Major Use - Non-standard	Non-standard	2	2,175
Onganue (ON)	Standard	Standard	4,468	23,652
	Streetlights	Standard		
	Major Use - Standard	Standard	2	2,187
	Major Use - Non-standard	Non-standard	2	–
Tokaanu (TK)	Standard	Standard	4,819	19,637
	Streetlights	Standard		
	Major Use - Standard	Standard	2	1,173
	Major Use - Non-standard	Non-standard	1	1,830
Whakamaru (WK)	Standard	Standard	2,497	21,057
	Streetlights	Standard		
	Major Use - Standard	Standard	2	3,686
	Major Use - Non-standard	Non-standard	39	18,892
RX-LFC-HC	Residential	Standard	4,860	11,142
RX-LFC-LC	Residential	Standard	1,100	2,805
RX-LFC-HU	Residential	Standard	1,221	2,602
RX-LFC-LU	Residential	Standard	366	818
RX-STD-HC	Residential	Standard	3,450	13,822
RX-STD-LC	Residential	Standard	1,251	6,078
RX-STD-HU	Residential	Standard	685	2,774
RX-STD-LU	Residential	Standard	249	1,230
GX-1S-HC	General	Standard	777	1,800
GX-1S-LC	General	Standard	389	1,007
GX-1S-HU	General	Standard	2,309	6,086
GX-1S-LU	General	Standard	1,965	5,045
GX-3D-HC	General	Standard	71	1,038
GX-3D-LC	General	Standard	15	314
GX-3D-HU	General	Standard	281	4,273
GX-3D-LU	General	Standard	64	969
GX-70-H	General	Standard	143	3,706
GX-70-L	General	Standard	19	679
GX-150-H	General	Standard	34	876
GX-150-L	General	Standard	4	26
TX-1S-HC	Temporary Accommodation	Standard	2,267	2,481
TX-1S-LC	Temporary Accommodation	Standard	162	202
TX-1S-HU	Temporary Accommodation	Standard	1,017	1,116
TX-1S-LU	Temporary Accommodation	Standard	218	223
TX-3D-HC	Temporary Accommodation	Standard	52	325
TX-3D-LC	Temporary Accommodation	Standard	9	47
TX-3D-HU	Temporary Accommodation	Standard	52	336
TX-3D-LU	Temporary Accommodation	Standard	17	88
TX-70-H	Temporary Accommodation	Standard	43	578
TX-70-L	Temporary Accommodation	Standard	33	291
TX-150-H	Temporary Accommodation	Standard	9	153
TX-150-L	Temporary Accommodation	Standard	2	22
DX-1S-HC	Dairy	Standard	13	76
DX-1S-LC	Dairy	Standard	5	73
DX-1S-HU	Dairy	Standard	12	101
DX-1S-LU	Dairy	Standard	10	127
DX-3D-HC	Dairy	Standard	26	818
DX-3D-LC	Dairy	Standard	10	256
DX-3D-HU	Dairy	Standard	28	779
DX-3D-LU	Dairy	Standard	18	603
DX-70-H	Dairy	Standard	126	6,756
DX-70-L	Dairy	Standard	151	9,337
DX-150-H	Dairy	Standard	15	985
DX-150-L	Dairy	Standard	37	2,951
Other	Other	Standard	(23,585)	

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

Standard consumer totals	23,516	278,020
Non-standard consumer totals	63	102,796
Total for all consumers	23,579	380,816

Billed quantities by price component

Price component	Standard/LFC Transmission	Standard kW Load	Standard Low Voltage/High Density Network	Standard Low Voltage/Low Density Network	Standard High Voltage/High Density Network	Standard High Voltage/Low Density Network	LFC Low Voltage/High Density kW Load (FP__LL)	LFC Low Voltage/Low Density kW Load (FP__LR)	LFC High Voltage/High Density kW Load (FP__LUT)	LFC High Voltage/Low Density kW Load (FP__LRT)	Low Fixed Charge	Daily Fixed Charge distribution	Peak pass-through	Shoulder pass-through	Off Peak pass-through	Anytime pass-through	Peak distribution	Shoulder distribution	Off Peak distribution
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	kW of demand	kW of demand	kVA of capacity	kVA of capacity	kVA of capacity	kVA of capacity	kW of demand	kW of demand	kW of demand	kW of demand	Months	Days	kWh	kWh	kWh	kWh	kWh	kWh	kWh
	27,304	22,271	23,273	4,755	14,149	10,044	3,404	394	590	645	2,963								
	3,279	2,989	2,683	3,298	733	1,218	143	54	26	66	182								
	6,416	5,750	11,465	0	1,741	0	599	0	67	0	412								
	12,057	9,111	12,539	2,036	2,971	3,891	2,034	349	255	307	1,848								
	10,528	8,504	21,782	199	2,127	648	1,947	12	39	26	1,313								
	9,476	8,383	3,376	2,613	1,987	15,102	437	177	45	435	678								
												894,232	2,668,695	5,056,407	2,357,286	1,060,017	2,668,695	5,056,407	2,357,286
												201,244	654,653	1,241,179	598,501	310,732	654,653	1,241,179	598,501
												224,143	630,833	1,218,318	597,629	155,565	630,833	1,218,318	597,629
												67,014	194,273	374,229	177,592	71,529	194,273	374,229	177,592
												645,229	3,227,273	6,153,548	2,869,671	1,576,232	3,227,273	6,153,548	2,869,671
												231,198	1,467,348	2,753,119	1,302,951	554,144	1,467,348	2,753,119	1,302,951
												128,817	688,281	1,273,668	685,778	126,252	688,281	1,273,668	685,778
												45,692	305,253	574,988	271,309	78,260	305,253	574,988	271,309
												146,090	361,521	756,252	351,511	330,572	361,521	756,252	351,511
												71,893	220,502	420,428	207,570	158,576	220,502	420,428	207,570
												420,059	1,197,040	2,885,536	1,338,383	664,647	1,197,040	2,885,536	1,338,383
												358,006	1,021,358	2,236,424	1,211,252	576,124	1,021,358	2,236,424	1,211,252
												12,993	210,539	478,782	209,674	138,810	210,539	478,782	209,674
												2,730	79,048	141,922	62,480	30,262	79,048	141,922	62,480
												51,364	831,628	2,076,286	785,164	580,387	831,628	2,076,286	785,164
												11,648	197,827	421,555	217,944	131,633	197,827	421,555	217,944
												26,185	605,114	1,487,094	555,926	1,051,799	605,114	1,487,094	555,926
												3,458	149,196	316,092	214,035	14	149,196	316,092	214,035
												6,126	83,459	213,749	90,546	488,170	83,459	213,749	90,546
												728	666	1,455	1,172	23,027	666	1,455	1,172
												417,308	599,446	1,160,854	575,670	144,979	599,446	1,160,854	575,670
												29,741	46,741	93,327	48,310	13,469	46,741	93,327	48,310
												186,528	268,603	522,425	278,306	40,280	268,603	522,425	278,306
												39,825	49,946	101,917	52,325	18,607	49,946	101,917	52,325
												9,464	63,349	120,345	64,340	76,715	63,349	120,345	64,340
												1,638	8,419	14,635	8,722	15,147	8,419	14,635	8,722
												9,448	83,938	154,625	82,347	14,721	83,938	154,625	82,347
												3,094	22,529	39,435	23,540	2,835	22,529	39,435	23,540
												7,707	78,868	165,799	75,030	258,503	78,868	165,799	75,030
												6,006	58,389	101,758	76,330	54,698	58,389	101,758	76,330
												1,638	31,628	54,108	29,557	35,435	31,628	54,108	29,557
												364	5,132	8,165	4,779	4,118	5,132	8,165	4,779
												2,366	22,636	32,793	13,003	7,911	22,636	32,793	13,003
												910	15,826	31,396	17,266	8,150	15,826	31,396	17,266
												2,184	28,123	47,474	25,656	0	28,123	47,474	25,656
												1,820	36,756	52,633	35,366	2,714	36,756	52,633	35,366
												4,732	258,400	371,153	188,948	266	258,400	371,153	188,948
												1,820	69,284	97,078	55,125	34,188	69,284	97,078	55,125
												5,096	232,848	347,043	198,875	0	232,848	347,043	198,875
												3,276	154,796	243,148	127,311	77,536	154,796	243,148	127,311
												22,898	1,999,793	3,011,409	1,606,158	138,260	1,999,793	3,011,409	1,606,158
												27,466	2,544,793	4,309,912	2,026,134	456,263	2,544,793	4,309,912	2,026,134
												2,730	254,805	437,566	228,348	64,207	254,805	437,566	228,348
												6,576	716,438	1,297,386	655,362	282,031	716,438	1,297,386	655,362
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Standard consumer totals	69,060	57,007	75,118	12,901	23,708	30,905	8,564	987	1,022	1,480	7,396	4,343,486	22,446,048	42,897,416	20,603,167	9,857,784	22,446,048	42,897,416	20,603,167
Non-standard consumer totals	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total for all consumers	69,060	57,007	75,118	12,901	23,708	30,905	8,564	987	1,022	1,480	7,396	4,343,486	22,446,048	42,897,416	20,603,167	9,857,784	22,446,048	42,897,416	20,603,167

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 c

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)
Hangatiki (HT)	Standard	Standard	8,905	50,471
	Streetlights	Standard		
	Major Use - Standard	Standard	18	26,143
	Major Use - Non-standard	Non-standard	8	77,787
National Park (NP)	Standard	Standard	803	8,964
	Streetlights	Standard		
	Major Use - Standard	Standard	3	3,261
	Major Use - Non-standard	Non-standard	11	2,112
Ohakune (OK)	Standard	Standard	1,997	21,985
	Streetlights	Standard		
	Major Use - Standard	Standard	–	–
	Major Use - Non-standard	Non-standard	2	2,175
Ongarue (ON)	Standard	Standard	4,468	23,652
	Streetlights	Standard		
	Major Use - Standard	Standard	2	2,187
	Major Use - Non-standard	Non-standard	2	–
Tokaanu (TK)	Standard	Standard	4,819	19,637
	Streetlights	Standard		
	Major Use - Standard	Standard	2	1,173
	Major Use - Non-standard	Non-standard	1	1,830
Whakamaru (WK)	Standard	Standard	2,497	21,057
	Streetlights	Standard		
	Major Use - Standard	Standard	2	3,686
	Major Use - Non-standard	Non-standard	33	18,892
RX-LFC-HC	Residential	Standard	4,860	11,142
RX-LFC-LC	Residential	Standard	1,100	2,805
RX-LFC-HU	Residential	Standard	1,221	2,602
RX-LFC-LU	Residential	Standard	366	818
RX-STD-HC	Residential	Standard	3,450	13,827
RX-STD-LC	Residential	Standard	1,251	6,078
RX-STD-HU	Residential	Standard	685	2,774
RX-STD-LU	Residential	Standard	249	1,230
GX-15-HC	General	Standard	777	1,800
GX-15-LC	General	Standard	389	1,007
GX-15-HU	General	Standard	2,309	6,086
GX-15-LU	General	Standard	1,965	5,045
GX-30-HC	General	Standard	71	1,038
GX-30-LC	General	Standard	15	314
GX-30-HU	General	Standard	281	4,273
GX-30-LU	General	Standard	64	969
GX-70-H	General	Standard	143	3,706
GX-70-L	General	Standard	19	679
GX-150-H	General	Standard	34	876
GX-150-L	General	Standard	4	26
TX-15-HC	Temporary Accommodation	Standard	2,267	2,481
TX-15-LC	Temporary Accommodation	Standard	162	202
TX-15-HU	Temporary Accommodation	Standard	1,017	1,116
TX-15-LU	Temporary Accommodation	Standard	218	223
TX-30-HC	Temporary Accommodation	Standard	52	325
TX-30-LC	Temporary Accommodation	Standard	9	47
TX-30-HU	Temporary Accommodation	Standard	52	336
TX-30-LU	Temporary Accommodation	Standard	17	88
TX-70-H	Temporary Accommodation	Standard	43	578
TX-70-L	Temporary Accommodation	Standard	33	291
TX-150-H	Temporary Accommodation	Standard	9	153
TX-150-L	Temporary Accommodation	Standard	2	22
DX-15-HC	Dairy	Standard	13	76
DX-15-LC	Dairy	Standard	5	73
DX-15-HU	Dairy	Standard	12	101
DX-15-LU	Dairy	Standard	10	127
DX-30-HC	Dairy	Standard	26	819
DX-30-LC	Dairy	Standard	10	256
DX-30-HU	Dairy	Standard	28	779
DX-30-LU	Dairy	Standard	18	603
DX-70-H	Dairy	Standard	126	6,756
DX-70-L	Dairy	Standard	151	9,337
DX-150-H	Dairy	Standard	11	985
DX-150-L	Dairy	Standard	37	2,954
Other	Other	Standard	(23,585)	–
Add extra rows for additional consumer groups or price category codes as necessary				
		Standard consumer totals	23,516	278,020
		Non-standard consumer totals	63	102,796
		Total for all consumers	23,579	380,816

Price component	Anytime distribution	Metering distribution	Major Use Connection Transmission	Major Use Demand Transmission	Major Use Demand Coincidental Transmission	Major Use Standard Network	Major Use 33 kV Network	Major Use Stepped Network	Major Use Low Voltage Network	Billing Charge	Transformer 5 kVA	Transformer 10 kVA	Transformer 15 kVA	Transformer 30 kVA	Transformer 50 kVA	Transformer 75 kVA	Transformer 100 kVA	Transformer 200 kVA	Transformer 300 kVA
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	kWh	Days	kVA of demand	kVA of demand	kVA of demand	kVA of capacity	kVA of capacity	kVA of capacity	kVA of capacity	Months	Months	Months	Months	Months	Months	Months	Months	Months	Months
											1,327	625	817	102	93	50	17	11	5
			8,605	198	3,336	11,359	0	0	0	21									
			19,803	0	8,728	4,100	1,350	700	0	4									
											87	15	92	8	14	5	2	2	0
			819	0	575	1,400	0	0	0	1									
			2,354	0	869	0	0	0	0	1									
											88	32	73	14	5	2	2	0	1
			84	51	0	100	0	0	0	1									
			2,831	0	587	0	0	0	0	1									
											604	178	407	26	9	8	1	2	3
			1,060	300	525	1,048	0	0	240	0									
			0	0	0	0	0	0	0	0									
											85	33	83	19	4	1	5	5	1
			706	0	377	1,320	0	0	0	7									
			460	0	299	975	0	0	0	1									
											442	246	342	61	65	49	21	6	1
			0	0	410	1,000	0	0	0	1									
			0	410	0	0	0	0	0	1									
1,060,017	894,232																		
310,732	201,244																		
155,565	224,143																		
71,529	67,014																		
1,576,232	645,229																		
554,144	231,198																		
126,252	128,817																		
78,260	45,692																		
330,572	146,090																		
158,576	71,893																		
664,647	420,059																		
576,124	358,006																		
138,810	12,993																		
30,262	2,730																		
580,387	51,364																		
131,633	11,648																		
1,051,799	26,185																		
14	3,458																		
488,170	6,126																		
23,027	728																		
144,979	417,308																		
13,469	29,741																		
40,280	186,528																		
18,607	39,825																		
76,715	9,464																		
15,147	1,638																		
14,721	9,448																		
2,835	3,094																		
258,503	7,707																		
54,698	6,008																		
35,435	1,638																		
4,138	364																		
7,911	2,366																		
8,150	910																		
0	2,184																		
2,714	1,820																		
248	4,732																		
34,188	1,820																		
0	5,096																		
77,536	3,276																		
138,260	22,898																		
456,263	27,466																		
64,207	2,730																		
282,031	6,576																		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9,857,784	4,343,486	11,246	549	5,223	16,227	–	–	240	38	2,633	1,129	1,812	230	190	115	48	26	11
–	–	25,449	410	10,482	5,075	1,350	700	–	8	–	–	–	–	–	–	–	–	–
9,857,784	4,343,486	36,694	959	15,705	21,302	1,350	700	240	46	2,633	1,129	1,812	230	190	115	48	26	11

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 c

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)	Transformer 500 kVA	Transformer 750 kVA	Transformer 1000 kVA	Non Standard Customer Charges	Load Control Fee	Generation Transpower Injection Overhead	Streetlight Mounting Service	Network - Streetlights	Transmission Demand - Streetlights	Transmission Connection - Streetlights	Load Plant Operation	Streetlight Assets	De-energisation/Re-energisation 1A	De-energisation/Re-energisation 1B	De-energisation/Re-energisation 1C	De-energisation/Re-energisation 1D	De-energisation/Re-energisation 2A	De-energisation/Re-energisation 2B	De-energisation/Re-energisation 2C
				Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Months	Months	Months	Months	Months	Years	Months	kVA of capacity	kW of demand	kW of demand	Units	Years	Units	Units	Units	Units	Units	Units	Units
Hangatiki (HT)	Standard	Standard	8,905	50,471	11	1	1		6,291														
	Streetlights	Standard									866	188	188	177	2,590	0							
	Major Use - Standard	Standard	18	26,143																			
	Major Use - Non-standard	Non-standard	8	77,787				10		0													
National Park (NP)	Standard	Standard	803	8,964	2	0	0		539														
	Streetlights	Standard									0	0	0	0	0	0							
	Major Use - Standard	Standard	3	3,261																			
	Major Use - Non-standard	Non-standard	11	2,112				3		0													
Ohakune (OK)	Standard	Standard	1,997	21,985	0	0	0		1,515														
	Streetlights	Standard									0	0	0	0	0	0							
	Major Use - Standard	Standard	–	–																			
	Major Use - Non-standard	Non-standard	2	2,175				5		0													
Ongarue (ON)	Standard	Standard	4,468	23,652	0	0	0		3,443														
	Streetlights	Standard									959	165	165	165	2,190	0							
	Major Use - Standard	Standard	2	2,187																			
	Major Use - Non-standard	Non-standard	2	–				2		1													
Tokaanu (TK)	Standard	Standard	4,819	19,637	2	0	0		3,899														
	Streetlights	Standard									0	0	0	0	0	0							
	Major Use - Standard	Standard	2	1,173																			
	Major Use - Non-standard	Non-standard	1	1,830				1		1													
Whakamaru (WK)	Standard	Standard	2,497	21,057	3	2	0		1,866														
	Streetlights	Standard									0	76	76	76	1,460	0							
	Major Use - Standard	Standard	2	3,686																			
	Major Use - Non-standard	Non-standard	39	18,892				3		0													
RX-LFC-HC	Residential	Standard	4,860	11,142																			
RX-LFC-LC	Residential	Standard	1,100	2,805																			
RX-LFC-HU	Residential	Standard	1,221	2,602																			
RX-LFC-LU	Residential	Standard	366	818																			
RX-STD-HC	Residential	Standard	3,450	13,827																			
RX-STD-LC	Residential	Standard	1,251	6,078																			
RX-STD-HU	Residential	Standard	685	2,774																			
RX-STD-LU	Residential	Standard	249	1,230																			
GX-15-HC	General	Standard	777	1,800																			
GX-15-LC	General	Standard	389	1,007																			
GX-15-HU	General	Standard	2,309	6,086																			
GX-15-LU	General	Standard	1,965	5,045																			
GX-30-HC	General	Standard	71	1,038																			
GX-30-LC	General	Standard	15	314																			
GX-30-HU	General	Standard	281	4,273																			
GX-30-LU	General	Standard	64	969																			
GX-70-H	General	Standard	143	3,700																			
GX-70-L	General	Standard	19	679																			
GX-150-H	General	Standard	34	876																			
GX-150-L	General	Standard	4	26																			
TX-15-HC	Temporary Accommodation	Standard	2,267	2,481																			
TX-15-LC	Temporary Accommodation	Standard	162	202																			
TX-15-HU	Temporary Accommodation	Standard	1,017	1,110																			
TX-15-LU	Temporary Accommodation	Standard	218	223																			
TX-30-HC	Temporary Accommodation	Standard	52	325																			
TX-30-LC	Temporary Accommodation	Standard	9	47																			
TX-30-HU	Temporary Accommodation	Standard	52	336																			
TX-30-LU	Temporary Accommodation	Standard	17	88																			
TX-70-H	Temporary Accommodation	Standard	43	578																			
TX-70-L	Temporary Accommodation	Standard	33	291																			
TX-150-H	Temporary Accommodation	Standard	9	151																			
TX-150-L	Temporary Accommodation	Standard	2	22																			
DX-15-HC	Dairy	Standard	13	76																			
DX-15-LC	Dairy	Standard	5	73																			
DX-15-HU	Dairy	Standard	12	101																			
DX-15-LU	Dairy	Standard	10	127																			
DX-30-HC	Dairy	Standard	26	819																			
DX-30-LC	Dairy	Standard	10	256																			
DX-30-HU	Dairy	Standard	28	779																			
DX-30-LU	Dairy	Standard	18	603																			
DX-70-H	Dairy	Standard	126	6,756																			
DX-70-L	Dairy	Standard	151	9,337																			
DX-150-H	Dairy	Standard	15	985																			
DX-150-L	Dairy	Standard	37	2,951																			
Other	Other	Standard	(23,585)		0	0	0	0	0	0	0	0	0	0	0	4	246	152	69	13	48	26	26
Add extra rows for additional consumer groups or price category codes as necessary																							
		Standard consumer totals	23,516	278,020	18	3	1	–	17,553	–	1,825	429	429	418	6,240	4	246	152	69	13	48	26	26
		Non-standard consumer totals	63	102,796	–	–	–	24	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–
		Total for all consumers	23,579	380,816	18	3	1	24	17,553	2	1,825	429	429	418	6,240	4	246	152	69	13	48	26	26

Company Name	The Lines Company Limited
For Year Ended	31 March 2019
Network / Sub-Network Name	

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 c

sch ref

8 **8(i): Billed Quantities by Price Component**

sch ref	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)	De-energisation/Re-energisation 3A	De-energisation/Re-energisation 3B	De-energisation/Re-energisation 3C	De-energisation/Re-energisation 4A	De-energisation/Re-energisation 4B	De-energisation/Re-energisation 4C	De-energisation/Re-energisation 5A	De-energisation/Re-energisation 7A	To balance De-energisation/Re-energisation	Metering Data Provision	Discount Not Taken Up by Consumers	To balance Schedule 8 and Financial Accounts
12					Price component												
13					Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Units	Units	Units	Units	Units	Units	Units	Units	Years	$/annum	$/annum	Years
15	Hangatiki (HT)	Standard	Standard	8,905	50,471												
16		Streetlights	Standard														
17		Major Use - Standard	Standard	18	26,143												
18		Major Use - Non-standard	Non-standard	8	77,787												
19	National Park (NP)	Standard	Standard	803	8,964												
20		Streetlights	Standard														
21		Major Use - Standard	Standard	3	3,261												
22		Major Use - Non-standard	Non-standard	11	2,112												
23	Ohakune (OK)	Standard	Standard	1,997	21,985												
24		Streetlights	Standard														
25		Major Use - Standard	Standard	–	–												
26		Major Use - Non-standard	Non-standard	2	2,175												
27	Ongarue (ON)	Standard	Standard	4,468	23,652												
28		Streetlights	Standard														
29		Major Use - Standard	Standard	2	2,187												
30		Major Use - Non-standard	Non-standard	2	–												
31	Tokaanu (TK)	Standard	Standard	4,819	19,637												
32		Streetlights	Standard														
33		Major Use - Standard	Standard	2	1,173												
34		Major Use - Non-standard	Non-standard	1	1,830												
35	Whakamaru (WK)	Standard	Standard	2,497	21,057												
36		Streetlights	Standard														
37		Major Use - Standard	Standard	2	3,686												
38		Major Use - Non-standard	Non-standard	39	18,892												
39	RX-LFC-HC	Residential	Standard	4,860	11,142												
40	RX-LFC-LC	Residential	Standard	1,100	2,805												
41	RX-LFC-HU	Residential	Standard	1,221	2,602												
42	RX-LFC-LU	Residential	Standard	366	818												
43	RX-STD-HC	Residential	Standard	3,450	13,827												
44	RX-STD-LC	Residential	Standard	1,251	6,078												
45	RX-STD-HU	Residential	Standard	685	2,774												
46	RX-STD-LU	Residential	Standard	249	1,230												
47	GX-15-HC	General	Standard	777	1,800												
48	GX-15-LC	General	Standard	389	1,007												
49	GX-15-HU	General	Standard	2,309	6,086												
50	GX-15-LU	General	Standard	1,965	5,045												
51	GX-30-HC	General	Standard	71	1,038												
52	GX-30-LC	General	Standard	15	314												
53	GX-30-HU	General	Standard	281	4,273												
54	GX-30-LU	General	Standard	64	969												
55	GX-70-H	General	Standard	143	3,700												
56	GX-70-L	General	Standard	19	679												
57	GX-150-H	General	Standard	34	876												
58	GX-150-L	General	Standard	4	26												
59	TX-15-HC	Temporary Accommodation	Standard	2,267	2,481												
60	TX-15-LC	Temporary Accommodation	Standard	162	202												
61	TX-15-HU	Temporary Accommodation	Standard	1,017	1,110												
62	TX-15-LU	Temporary Accommodation	Standard	218	223												
63	TX-30-HC	Temporary Accommodation	Standard	52	325												
64	TX-30-LC	Temporary Accommodation	Standard	9	47												
65	TX-30-HU	Temporary Accommodation	Standard	52	336												
66	TX-30-LU	Temporary Accommodation	Standard	17	88												
67	TX-70-H	Temporary Accommodation	Standard	43	578												
68	TX-70-L	Temporary Accommodation	Standard	33	291												
69	TX-150-H	Temporary Accommodation	Standard	9	151												
70	TX-150-L	Temporary Accommodation	Standard	2	22												
71	DX-15-HC	Dairy	Standard	13	76												
72	DX-15-LC	Dairy	Standard	5	73												
73	DX-15-HU	Dairy	Standard	12	101												
74	DX-15-LU	Dairy	Standard	10	127												
16	DX-30-HC	Dairy	Standard	26	819												
17	DX-30-LC	Dairy	Standard	10	256												
18	DX-30-HU	Dairy	Standard	28	779												
19	DX-30-LU	Dairy	Standard	18	603												
20	DX-70-H	Dairy	Standard	126	6,756												
21	DX-70-L	Dairy	Standard	151	9,337												
22	DX-150-H	Dairy	Standard	15	985												
23	DX-150-L	Dairy	Standard	37	2,951												
24	Other	Other	Standard	(23,585)		140	64	47	64	34	24	1	15	1		1	1
25	*Add extra rows for additional consumer groups or price category codes as necessary*																
26			**Standard consumer totals**	23,516	278,020	140	64	47	64	34	24	1	15	1	–	1	1
27			**Non-standard consumer totals**	63	102,796	–	–	–	–	–	–	–	–	–	–	–	–
28			**Total for all consumers**	23,579	380,816	140	64	47	64	34	24	1	15	1	–	1	1

Add extra columns for additional billed quantities by price component as necessary

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)
Hangatiki (HT)	Standard	Standard	$6,312	$701	$5,300	$1,011
	Streetlights	Standard	$84	$9	$70	$14
	Major Use - Standard	Standard	$1,731	$192	$1,284	$447
	Major Use - Non-standard	Non-standard	$3,878	$431	$2,762	$1,116
National Park (NP)	Standard	Standard	$927	$103	$710	$217
	Streetlights	Standard	–	–	–	–
	Major Use - Standard	Standard	$328	$36	$229	$99
	Major Use - Non-standard	Non-standard	$704	$78	$509	$195
Ohakune (OK)	Standard	Standard	$1,276	$142	$1,027	$249
	Streetlights	Standard	–	–	–	–
	Major Use - Standard	Standard	$17	$2	$13	$4
	Major Use - Non-standard	Non-standard	$625	$69	$509	$116
Ongarue (ON)	Standard	Standard	$2,976	$331	$2,369	$606
	Streetlights	Standard	$83	$9	$71	$12
	Major Use - Standard	Standard	$273	$30	$166	$107
	Major Use - Non-standard	Non-standard	$121	$13	$84	$38
Tokaanu (TK)	Standard	Standard	$2,202	$245	$1,877	$326
	Streetlights	Standard	–	–	–	–
	Major Use - Standard	Standard	$218	$24	$171	$47
	Major Use - Non-standard	Non-standard	$234	$26	$188	$46
Whakamaru (WK)	Standard	Standard	$2,376	$264	$2,340	$36
	Streetlights	Standard	$18	$2	$12	$5
	Major Use - Standard	Standard	$257	$29	$210	$47
	Major Use - Non-standard	Non-standard	$631	$70	$628	$3
RX-LFC-HC	Residential	Standard	$1,747	$194	$1,501	$246
RX-LFC-LC	Residential	Standard	$510	$57	$449	$62
RX-LFC-HU	Residential	Standard	$454	$50	$397	$57
RX-LFC-LU	Residential	Standard	$165	$18	$147	$18
RX-STD-HC	Residential	Standard	$2,040	$227	$1,735	$305
RX-STD-LC	Residential	Standard	$1,083	$120	$949	$135
RX-STD-HU	Residential	Standard	$407	$45	$346	$61
RX-STD-LU	Residential	Standard	$220	$24	$193	$27
GX-15-HC	General	Standard	$432	$48	$393	$38
GX-15-LC	General	Standard	$271	$30	$249	$22
GX-15-HU	General	Standard	$1,406	$156	$1,282	$124
GX-15-LU	General	Standard	$1,404	$156	$1,300	$104
GX-30-HC	General	Standard	$147	$16	$125	$22
GX-30-LC	General	Standard	$44	$5	$37	$7
GX-30-HU	General	Standard	$611	$68	$523	$88
GX-30-LU	General	Standard	$148	$16	$128	$20
GX-70-H	General	Standard	$528	$59	$451	$77
GX-70-L	General	Standard	$93	$10	$72	$14
GX-150-H	General	Standard	$163	$18	$145	$18
GX-150-L	General	Standard	$16	$2	$15	$1
TX-15-HC	Temporary Accommodation	Standard	$1,119	$124	$1,065	$54
TX-15-LC	Temporary Accommodation	Standard	$107	$12	$102	$4
TX-15-HU	Temporary Accommodation	Standard	$514	$57	$490	$24
TX-15-LU	Temporary Accommodation	Standard	$141	$16	$136	$5
TX-30-HC	Temporary Accommodation	Standard	$71	$8	$64	$7
TX-30-LC	Temporary Accommodation	Standard	$13	$1	$12	$1
TX-30-HU	Temporary Accommodation	Standard	$73	$8	$66	$7
TX-30-LU	Temporary Accommodation	Standard	$25	$3	$23	$2
TX-70-H	Temporary Accommodation	Standard	$123	$14	$110	$12
TX-70-L	Temporary Accommodation	Standard	$96	$11	$90	$6
TX-150-H	Temporary Accommodation	Standard	$43	$5	$39	$3
TX-150-L	Temporary Accommodation	Standard	$11	$1	$10	$1
DX-15-HC	Dairy	Standard	$11	$1	$9	$2
DX-15-LC	Dairy	Standard	$9	$1	$8	$2
DX-15-HU	Dairy	Standard	$15	$2	$13	$2
DX-15-LU	Dairy	Standard	$18	$2	$15	$3
DX-30-HC	Dairy	Standard	$97	$11	$77	$20
DX-30-LC	Dairy	Standard	$32	$4	$26	$6
DX-30-HU	Dairy	Standard	$94	$10	$76	$18
DX-30-LU	Dairy	Standard	$74	$8	$60	$14
DX-70-H	Dairy	Standard	$748	$83	$587	$161
DX-70-L	Dairy	Standard	$1,061	$118	$845	$216
DX-150-H	Dairy	Standard	$112	$12	$90	$22
DX-150-L	Dairy	Standard	$349	$38	$279	$66
Other	Other	Standard	$1,008	$128	$1,008	–

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

		Standard consumer totals	$36,921	$4,118	$31,591	$5,330
		Non-standard consumer totals	$6,194	$688	$4,679	$1,515
		Total for all consumers	$43,115	$4,806	$36,270	$6,844

Check: OK

Line charge revenues ($000) by price component

Price component	Standard/LFC Transmission	Standard kW Load	Standard Low Voltage/High Density Network	Standard Low Voltage/Low Density Network	Standard High Voltage/High Density Network	Standard High Voltage/Low Density Network	LFC Low Voltage/High Density kW Load (FP__L)	LFC Low Voltage/Low Density kW Load (FP__LR)	LFC High Voltage/High Density kW Load (FP__LUT)	LFC High Voltage/Low Density kW Load (FP__LRT)	Low Fixed Charge	Daily Fixed Charge distribution	Peak pass-through	Shoulder pass-through	Off Peak pass-through	Anytime pass-through	Peak distribution	Shoulder distribution	Off Peak distribution
Rate (eg, $ per day, $ per kWh, etc.)	kW of demand	kW of demand	kVA of capacity	kVA of capacity	kVA of capacity	kVA of capacity	kW of demand	kW of demand	kW of demand	kW of demand	Months	Days	kWh	kWh	kWh	kWh	kWh	kWh	kWh
Hangatiki (HT)	$1,011	$2,388	$637	$221	$169	$222	$485	$73	$70	$89	$81								
Ohakune (OK)	$249	$505	$334	–	$20	–	$74	–	$10	–	$11								
Ongarue (ON)	$606	$1,026	$305	$88	$34	$87	$301	$67	$32	$44	$51								
Tokaanu (TK)	$326	$870	$531	$9	$24	$14	$268	$2	$4	$3	$36								
Whakamaru (WK)	$36	$1,203	$82	$122	$22	$309	$78	$38	$7	$75	$19								
National Park (NP)	$217	$333	$65	$154	$10	$25	$22	$10	$3	$9	$5								
RX-LFC-HC												$134	$149	$51	$24	$23	$257	$658	$193
RX-LFC-LC												$30	$37	$12	$6	$7	$81	$196	$65
RX-LFC-HU												$34	$35	$12	$6	$3	$100	$159	$49
RX-LFC-LU												$10	$11	$4	$2	$2	$36	$59	$19
RX-STD-HC												$468	$181	$61	$29	$34	$226	$640	$158
RX-STD-LC												$110	$82	$28	$13	$12	$195	$280	$72
RX-STD-HU												$93	$39	$13	$7	$3	$48	$133	$36
RX-STD-LU												$61	$17	$6	$3	$2	$41	$60	$15
GX-15-HC												$219	$20	$8	$4	$7	$24	$79	$19
GX-15-LC												$154	$12	$4	$2	$3	$15	$44	$11
GX-15-HU												$630	$87	$29	$13	$14	$139	$300	$74
GX-15-LU												$766	$57	$22	$12	$12	$118	$233	$67
GX-30-HC												$40	$12	$5	$2	$3	$18	$44	$9
GX-30-LC												$11	$4	$1	$1	$1	$7	$13	$3
GX-30-HU												$157	$47	$21	$8	$12	$80	$189	$35
GX-30-LU												$47	$11	$4	$2	$3	$19	$38	$10
GX-70-H												$177	$34	$15	$6	$23	$42	$120	$25
GX-70-L												$31	$8	$3	$2	$0	$10	$26	$10
GX-150-H												$86	$5	$2	$1	$11	$5	$15	$4
GX-150-L												$13	$0	$0	$0	$0	$0	$0	$0
TX-15-HC												$799	$34	$12	$6	$3	$40	$121	$32
TX-15-LC												$81	$3	$1	$0	$0	$3	$10	$3
TX-15-HU												$357	$15	$5	$3	$1	$31	$54	$15
TX-15-LU												$109	$3	$1	$1	$0	$6	$11	$3
TX-30-HC												$37	$4	$1	$1	$2	$6	$11	$2
TX-30-LC												$8	$0	$0	$0	$0	$1	$1	$0
TX-30-HU												$37	$5	$2	$1	$0	$8	$14	$4
TX-30-LU												$16	$1	$0	$0	$0	$2	$4	$1
TX-70-H												$66	$4	$2	$1	$6	$3	$13	$3
TX-70-L												$69	$3	$1	$1	$1	$4	$8	$3
TX-150-H												$29	$2	$1	$0	$1	$2	$4	$1
TX-150-L												$9	$0	$0	$0	$0	$0	$1	$0
DX-15-HC												$3	$1	$0	$0	$0	$1	$1	$1
DX-15-LC												$1	$1	$0	$0	$0	$1	$1	$1
DX-15-HU												$2	$2	$0	$0	–	$3	$5	$1
DX-15-LU												$3	$2	$1	$0	$0	$4	$5	$2
DX-30-HC												$11	$14	$4	$2	$0	$23	$34	$9
DX-30-LC												$6	$4	$1	$1	$1	$6	$9	$2
DX-30-HU												$12	$13	$3	$2	–	$22	$32	$9
DX-30-LU												$10	$9	$2	$1	$2	$13	$22	$6
DX-70-H												$118	$112	$30	$16	$3	$138	$244	$72
DX-70-L												$189	$142	$43	$20	$10	$176	$349	$91
DX-150-H												$29	$14	$4	$2	$1	$14	$31	$10
DX-150-L												$93	$40	$13	$7	$6	$39	$92	$29
Other	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	$2,445	$6,325	$1,953	$594	$270	$657	$1,229	$189	$126	$221	$202	$5,565	$1,257	$429	$206	$212	$2,012	$4,373	$1,177
	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	$2,445	$6,325	$1,953	$594	$270	$657	$1,229	$189	$126	$221	$202	$5,565	$1,257	$429	$206	$212	$2,012	$4,373	$1,177

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end	23,579

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 c

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Price component	Anytime distribution	Metering distribution	Major Use Connection Transmission	Major Use Demand Transmission	Major Use Demand Coincidental Transmission	Major Use Standard Network	Major Use 33 kV Network	Major Use Stepped Network	Major Use Low Voltage Network	Billing Charge	Transformer 5 kVA	Transformer 10 kVA	Transformer 15 kVA	Transformer 30 kVA	Transformer 50 kVA	Transformer 75 kVA	Transformer 100 kVA	Transformer 200 kVA	Transformer 300 kVA
							Rate (eg, $ per day, $ per kWh, etc.)	kWh	Days	kVA of demand	kVA of demand	kVA of demand	kVA of capacity	kVA of capacity	kVA of capacity	kVA of capacity	Months	Months	Months	Months	Months	Months	Months	Months	Months	Months
Hangatiki (HT)	Standard	Standard	$6,312	$701	$5,300	$1,011												$199	$156	$279	$46	$47	$31	$12	$13	$7
	Streetlights	Standard	$84	$9	$70	$14																				
	Major Use - Standard	Standard	$1,731	$192	$1,284	$447				$54	$13	$380	$1,249	–	–	–	$36									
	Major Use - Non-standard	Non-standard	$3,878	$431	$2,762	$1,116				$124	–	$993	$451	$90	$58	–	$7									
National Park (NP)	Standard	Standard	$927	$103	$710	$217												$13	$4	$31	$4	$7	$3	$1	$2	–
	Streetlights	Standard	–	–	–	–																				
	Major Use - Standard	Standard	$328	$36	$229	$99				$34	–	$65	$224	–	–	–	$5									
	Major Use - Non-standard	Non-standard	$704	$78	$509	$195				$96	–	$99	–	–	–	–	$2									
Ohakune (OK)	Standard	Standard	$1,276	$142	$1,027	$249												$13	$8	$24	$6	$3	$1	$1	–	$1
	Streetlights	Standard	–	–	–	–																				
	Major Use - Standard	Standard	$17	$2	$13	$4				$1	$3	–	$12	–	–	–	$2									
	Major Use - Non-standard	Non-standard	$625	$69	$509	$116				$49	–	$67	–	–	–	–	$2									
Ongarue (ON)	Standard	Standard	$2,976	$331	$2,369	$606												$91	$44	$139	$12	$3	$5	$1	$2	$4
	Streetlights	Standard	$83	$9	$71	$12																				
	Major Use - Standard	Standard	$273	$30	$166	$107				$24	$23	$60	$129	–	–	$28	$9									
	Major Use - Non-standard	Non-standard	$121	$13	$84	$38				–	–	–	–	–	–	–	–									
Tokaanu (TK)	Standard	Standard	$2,202	$246	$1,877	$326												$13	$8	$28	$9	$2	$1	$3	$6	$1
	Streetlights	Standard	–	–	–	–																				
	Major Use - Standard	Standard	$218	$24	$171	$47				$4	–	$43	$159	–	–	–	$12									
	Major Use - Non-standard	Non-standard	$234	$26	$188	$46				$3	–	$34	$118	–	–	–	$2									
Whakamaru (WK)	Standard	Standard	$2,376	$264	$2,340	$36												$66	$61	$117	$28	$33	$30	$14	$7	$1
	Streetlights	Standard	$18	$2	$12	$5																				
	Major Use - Standard	Standard	$257	$29	$210	$47				–	–	$47	$208	–	–	–	$2									
	Major Use - Non-standard	Non-standard	$631	$70	$628	$3				–	$3	–	–	–	–	–	$2									
RX-LFC-HC	Residential	Standard	$1,747	$194	$1,501	$246		$123	$137																	
RX-LFC-LC	Residential	Standard	$510	$57	$449	$62		$45	$31																	
RX-LFC-HU	Residential	Standard	$454	$50	$397	$57		$22	$34																	
RX-LFC-LU	Residential	Standard	$165	$18	$147	$18		$12	$10																	
RX-STD-HC	Residential	Standard	$2,040	$227	$1,735	$305		$142	$101																	
RX-STD-LC	Residential	Standard	$1,083	$120	$949	$135		$50	$36																	
RX-STD-HU	Residential	Standard	$407	$45	$346	$61		$14	$20																	
RX-STD-LU	Residential	Standard	$220	$24	$193	$27		$9	$7																	
GX-15-HC	General	Standard	$432	$48	$393	$38		$29	$23																	
GX-15-LC	General	Standard	$271	$30	$249	$22		$14	$11																	
GX-15-HU	General	Standard	$1,406	$156	$1,282	$124		$71	$68																	
GX-15-LU	General	Standard	$1,404	$156	$1,300	$104		$62	$55																	
GX-30-HC	General	Standard	$147	$16	$125	$22		$12	$2																	
GX-30-LC	General	Standard	$44	$5	$37	$7		$3	$0																	
GX-30-HU	General	Standard	$611	$68	$523	$88		$53	$9																	
GX-30-LU	General	Standard	$148	$16	$128	$20		$12	$2																	
GX-70-H	General	Standard	$528	$59	$451	$77		$82	$5																	
GX-70-L	General	Standard	$91	$10	$72	$14		$0	$1																	
GX-150-H	General	Standard	$163	$18	$145	$18		$34	$1																	
GX-150-L	General	Standard	$16	$2	$15	$1		$2	$0																	
TX-15-HC	Temporary Accommodation	Standard	$1,119	$124	$1,065	$54		$13	$61																	
TX-15-LC	Temporary Accommodation	Standard	$107	$12	$102	$4		$1	$5																	
TX-15-HU	Temporary Accommodation	Standard	$514	$57	$490	$24		$4	$28																	
TX-15-LU	Temporary Accommodation	Standard	$141	$16	$136	$5		$2	$6																	
TX-30-HC	Temporary Accommodation	Standard	$71	$8	$64	$7		$7	$2																	
TX-30-LC	Temporary Accommodation	Standard	$13	$1	$12	$1		$1	$0																	
TX-30-HU	Temporary Accommodation	Standard	$73	$8	$66	$7		$1	$2																	
TX-30-LU	Temporary Accommodation	Standard	$25	$3	$23	$2		$0	$1																	
TX-70-H	Temporary Accommodation	Standard	$123	$14	$110	$12		$20	$1																	
TX-70-L	Temporary Accommodation	Standard	$96	$11	$90	$6		$4	$1																	
TX-150-H	Temporary Accommodation	Standard	$43	$5	$39	$3		$2	$0																	
TX-150-L	Temporary Accommodation	Standard	$11	$1	$10	$1		$0	$0																	
DX-15-HC	Dairy	Standard	$11	$1	$9	$2		$1	$0																	
DX-15-LC	Dairy	Standard	$9	$1	$8	$2		$1	$0																	
DX-15-HU	Dairy	Standard	$15	$2	$13	$2		–	$0																	
DX-15-LU	Dairy	Standard	$18	$2	$15	$3		$0	$0																	
DX-30-HC	Dairy	Standard	$97	$11	$77	$20		$0	$1																	
DX-30-LC	Dairy	Standard	$32	$4	$26	$6		$1	$0																	
DX-30-HU	Dairy	Standard	$94	$10	$76	$18		–	$1																	
DX-30-LU	Dairy	Standard	$74	$8	$60	$14		$7	$1																	
DX-70-H	Dairy	Standard	$748	$83	$587	$161		$11	$4																	
DX-70-L	Dairy	Standard	$1,061	$118	$845	$216		$36	$5																	
DX-150-H	Dairy	Standard	$112	$12	$90	$22		$4	$1																	
DX-150-L	Dairy	Standard	$349	$38	$279	$66		$19	$1																	
Other	Other	Standard	$1,008	$228	$1,008	–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Add extra rows for additional consumer groups or price category codes as necessary																										
		Standard consumer totals	$36,921	$4,118	$31,591	$5,330		$930	$676	$117	$40	$594	$1,981	–	–	$28	$65	$396	$281	$619	$104	$95	$70	$33	$31	$16
		Non-standard consumer totals	$6,194	$688	$4,679	$1,515		–	–	$272	$3	$1,193	$569	$90	$58	–	$14	–	–	–	–	–	–	–	–	–
		Total for all consumers	$43,115	$4,806	$36,270	$6,844		$930	$676	$389	$43	$1,787	$2,550	$90	$58	$28	$79	$396	$281	$619	$104	$95	$70	$33	$31	$16

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end	23,579

Check: OK

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 c

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)
Price component						
Rate (eg, $ per day, $ per kWh, etc.)						
Hangatiki (HT)	Standard	Standard	$6,312	$701	$5,300	$1,011
	Streetlights	Standard	$84	$9	$70	$14
	Major Use - Standard	Standard	$1,731	$192	$1,284	$447
	Major Use - Non-standard	Non-standard	$3,878	$431	$2,762	$1,116
National Park (NP)	Standard	Standard	$927	$103	$710	$217
	Streetlights	Standard	–	–	–	–
	Major Use - Standard	Standard	$328	$36	$229	$99
	Major Use - Non-standard	Non-standard	$704	$78	$509	$195
Ohakune (OK)	Standard	Standard	$1,276	$142	$1,027	$249
	Streetlights	Standard	–	–	–	–
	Major Use - Standard	Standard	$17	$2	$13	$4
	Major Use - Non-standard	Non-standard	$625	$69	$509	$116
Ongarue (ON)	Standard	Standard	$2,976	$331	$2,369	$606
	Streetlights	Standard	$83	$9	$71	$12
	Major Use - Standard	Standard	$273	$30	$166	$107
	Major Use - Non-standard	Non-standard	$121	$13	$84	$38
Tokaanu (TK)	Standard	Standard	$2,202	$246	$1,877	$326
	Streetlights	Standard	–	–	–	–
	Major Use - Standard	Standard	$218	$24	$171	$47
	Major Use - Non-standard	Non-standard	$234	$26	$188	$46
Whakamaru (WK)	Standard	Standard	$2,376	$264	$2,340	$36
	Streetlights	Standard	$18	$2	$12	$5
	Major Use - Standard	Standard	$257	$29	$210	$47
	Major Use - Non-standard	Non-standard	$631	$70	$628	$3
RX-LFC-HC	Residential	Standard	$1,747	$194	$1,501	$246
RX-LFC-LC	Residential	Standard	$510	$57	$449	$62
RX-LFC-HU	Residential	Standard	$454	$50	$397	$57
RX-LFC-LU	Residential	Standard	$165	$18	$147	$18
RX-STD-HC	Residential	Standard	$2,040	$227	$1,735	$305
RX-STD-LC	Residential	Standard	$1,083	$120	$949	$135
RX-STD-HU	Residential	Standard	$407	$45	$346	$61
RX-STD-LU	Residential	Standard	$220	$24	$193	$27
GX-15-HC	General	Standard	$432	$48	$393	$38
GX-15-LC	General	Standard	$271	$30	$249	$22
GX-15-HU	General	Standard	$1,406	$156	$1,282	$124
GX-15-LU	General	Standard	$1,404	$156	$1,300	$104
GX-30-HC	General	Standard	$147	$16	$125	$22
GX-30-LC	General	Standard	$44	$5	$37	$7
GX-30-HU	General	Standard	$611	$68	$523	$88
GX-30-LU	General	Standard	$148	$16	$128	$20
GX-70-H	General	Standard	$528	$59	$451	$77
GX-70-L	General	Standard	$91	$10	$77	$14
GX-150-H	General	Standard	$163	$18	$145	$18
GX-150-L	General	Standard	$16	$2	$15	$1
TX-15-HC	Temporary Accommodation	Standard	$1,119	$124	$1,065	$54
TX-15-LC	Temporary Accommodation	Standard	$107	$12	$102	$4
TX-15-HU	Temporary Accommodation	Standard	$514	$57	$490	$24
TX-15-LU	Temporary Accommodation	Standard	$141	$16	$136	$5
TX-30-HC	Temporary Accommodation	Standard	$71	$8	$64	$7
TX-30-LC	Temporary Accommodation	Standard	$13	$1	$12	$1
TX-30-HU	Temporary Accommodation	Standard	$73	$8	$66	$7
TX-30-LU	Temporary Accommodation	Standard	$25	$3	$23	$2
TX-70-H	Temporary Accommodation	Standard	$123	$14	$110	$12
TX-70-L	Temporary Accommodation	Standard	$96	$11	$90	$6
TX-150-H	Temporary Accommodation	Standard	$43	$5	$39	$3
TX-150-L	Temporary Accommodation	Standard	$11	$1	$10	$1
DX-15-HC	Dairy	Standard	$11	$1	$9	$2
DX-15-LC	Dairy	Standard	$9	$1	$8	$2
DX-15-HU	Dairy	Standard	$15	$2	$13	$2
DX-15-LU	Dairy	Standard	$18	$2	$15	$3
DX-30-HC	Dairy	Standard	$97	$11	$77	$20
DX-30-LC	Dairy	Standard	$32	$4	$26	$6
DX-30-HU	Dairy	Standard	$94	$10	$76	$18
DX-30-LU	Dairy	Standard	$74	$8	$60	$14
DX-70-H	Dairy	Standard	$748	$83	$587	$161
DX-70-L	Dairy	Standard	$1,061	$118	$845	$216
DX-150-H	Dairy	Standard	$112	$12	$90	$22
DX-150-L	Dairy	Standard	$348	$38	$279	$66
Other	Other	Standard	$1,008	$128	$1,008	–
Add extra rows for additional consumer groups or price category codes as necessary						
		Standard consumer totals	$36,921	$4,118	$31,591	$5,330
		Non-standard consumer totals	$6,194	$688	$4,679	$1,515
		Total for all consumers	$43,115	$4,806	$36,270	$6,844

Price component	Transformer 500 kVA	Transformer 750 kVA	Transformer 1000 kVA	Non Standard Customer Charges	Load Control Fee	Generation Transpower Injection Overhead	Streetlight Mounting Service	Network - Streetlights	Transmission Demand - Streetlights	Transmission Connection - Streetlights	Load Plant Operation	Streetlight Assets	De-energisation/Re-energisation 1A	De-energisation/Re-energisation 1B	De-energisation/Re-energisation 1C	De-energisation/Re-energisation 1D	De-energisation/Re-energisation 2A	De-energisation/Re-energisation 2B	De-energisation/Re-energisation 2C
Rate (eg, $ per day, $ per kWh, etc.)	Months	Months	Months	Months	Months	Years	Months	kVA of capacity	kW of demand	kW of demand	Units	Years	Units	Units	Units	Units	Units	Units	Units
Hangatiki (HT)	$18	$2	$2		$62														
							$43	$20	$10	$4	$8	–							
				$2,156		–													
National Park (NP)	$3	–	–		$5														
							–	–	–	–	–	–							
				$507		–													
Ohakune (OK)	–	–	–		$15														
							–	–	–	–	–	–							
				$507		–													
Ongarue (ON)	–	–	–		$34														
							$54	$10	$10	$2	$6	–							
				$84		$38													
Tokaanu (TK)	3	–	–		$39														
							–	–	–	–	–	–							
				$69		$9													
Whakamaru (WK)	$5	$4	–		$18														
							–	$8	$3	$2	$4	–							
				$627		–													
RX-LFC-HC																			
RX-LFC-LC																			
RX-LFC-HU																			
RX-LFC-LU																			
RX-STD-HC																			
RX-STD-LC																			
RX-STD-HU																			
RX-STD-LU																			
GX-15-HC																			
GX-15-LC																			
GX-15-HU																			
GX-15-LU																			
GX-30-HC																			
GX-30-LC																			
GX-30-HU																			
GX-30-LU																			
GX-70-H																			
GX-70-L																			
GX-150-H																			
GX-150-L																			
TX-15-HC																			
TX-15-LC																			
TX-15-HU																			
TX-15-LU																			
TX-30-HC																			
TX-30-LC																			
TX-30-HU																			
TX-30-LU																			
TX-70-H																			
TX-70-L																			
TX-150-H																			
TX-150-L																			
DX-15-HC																			
DX-15-LC																			
DX-15-HU																			
DX-15-LU																			
DX-30-HC																			
DX-30-LC																			
DX-30-HU																			
DX-30-LU																			
DX-70-H																			
DX-70-L																			
DX-150-H																			
DX-150-L																			
Other	–	–	–	–	–	–	–	–	–	–	–	$555	$22	$15	$20	$8	$10	$6	$13
	$30	$6	$2	–	$174	–	$97	$39	$23	$8	$18	$555	$22	$15	$20	$8	$10	$6	$13
	–	–	–	$3,949	–	$47	–	–	–	–	–	–	–	–	–	–	–	–	–
	$30	$6	$2	$3,949	$174	$47	$97	$39	$23	$8	$18	$555	$22	$15	$20	$8	$10	$6	$13

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end	23,579

Check: OK

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**
Network / Sub-Network Name	

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 c

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Price component	De-energisation/Re-energisation 3A	De-energisation/Re-energisation 3B	De-energisation/Re-energisation 3C	De-energisation/Re-energisation 4A	De-energisation/Re-energisation 4B	De-energisation/Re-energisation 4C	De-energisation/Re-energisation 5A	De-energisation/Re-energisation 7A	To balance De-energisation/Re-energisation	Metering Data Provision	Discount Not Taken Up by Consumers	To balance Schedule 8 and Financial Accounts	*Add extra columns for additional line charge revenues by price component as necessary*
							Rate (eg, $ per day, $ per kWh, etc.)	Units	Units	Units	Units	Units	Units	Units	Units	Years	$/annum	$/annum	Years	
Hangatiiki (HT)	Standard	Standard	$6,312	$701	$5,300	$1,011														
	Streetlights	Standard	$84	$9	$70	$14														
	Major Use - Standard	Standard	$1,731	$192	$1,284	$447														
	Major Use - Non-standard	Non-standard	$3,878	$431	$2,762	$1,116														
National Park (NP)	Standard	Standard	$927	$103	$710	$217														
	Streetlights	Standard	–	–	–	–														
	Major Use - Standard	Standard	$328	$36	$229	$99														
	Major Use - Non-standard	Non-standard	$704	$78	$509	$195														
Ohakune (OK)	Standard	Standard	$1,276	$142	$1,027	$249														
	Streetlights	Standard	–	–	–	–														
	Major Use - Standard	Standard	$17	$2	$13	$4														
	Major Use - Non-standard	Non-standard	$625	$69	$509	$116														
Ongarue (ON)	Standard	Standard	$2,976	$331	$2,369	$606														
	Streetlights	Standard	$83	$9	$71	$12														
	Major Use - Standard	Standard	$273	$30	$166	$107														
	Major Use - Non-standard	Non-standard	$121	$13	$84	$38														
Tokaanu (TK)	Standard	Standard	$2,202	$245	$1,877	$326														
	Streetlights	Standard	–	–	–	–														
	Major Use - Standard	Standard	$218	$24	$171	$47														
	Major Use - Non-standard	Non-standard	$234	$26	$188	$46														
Whakamaru (WK)	Standard	Standard	$2,376	$264	$2,340	$36														
	Streetlights	Standard	$18	$2	$12	$5														
	Major Use - Standard	Standard	$257	$29	$210	$47														
	Major Use - Non-standard	Non-standard	$631	$70	$628	$3														
RX-LFC-HC	Residential	Standard	$1,747	$194	$1,501	$246														
RX-LFC-LC	Residential	Standard	$510	$57	$449	$62														
RX-LFC-HU	Residential	Standard	$454	$50	$397	$57														
RX-LFC-LU	Residential	Standard	$165	$18	$147	$18														
RX-STD-HC	Residential	Standard	$2,040	$227	$1,735	$305														
RX-STD-LC	Residential	Standard	$1,083	$120	$949	$135														
RX-STD-HU	Residential	Standard	$407	$45	$346	$61														
RX-STD-LU	Residential	Standard	$220	$24	$193	$27														
GX-15-HC	General	Standard	$432	$48	$393	$38														
GX-15-LC	General	Standard	$271	$30	$249	$22														
GX-15-HU	General	Standard	$1,406	$156	$1,282	$124														
GX-15-LU	General	Standard	$1,404	$156	$1,300	$104														
GX-30-HC	General	Standard	$147	$16	$125	$22														
GX-30-LC	General	Standard	$44	$5	$37	$7														
GX-30-HU	General	Standard	$611	$68	$523	$88														
GX-30-LU	General	Standard	$148	$16	$128	$20														
GX-70-H	General	Standard	$528	$59	$451	$77														
GX-70-L	General	Standard	$91	$10	$77	$14														
GX-150-H	General	Standard	$163	$18	$145	$18														
GX-150-L	General	Standard	$16	$2	$15	$1														
TX-15-HC	Temporary Accommodation	Standard	$1,119	$124	$1,065	$54														
TX-15-LC	Temporary Accommodation	Standard	$107	$12	$102	$4														
TX-15-HU	Temporary Accommodation	Standard	$514	$57	$490	$24														
TX-15-LU	Temporary Accommodation	Standard	$141	$16	$136	$5														
TX-30-HC	Temporary Accommodation	Standard	$71	$8	$64	$7														
TX-30-LC	Temporary Accommodation	Standard	$13	$1	$12	$1														
TX-30-HU	Temporary Accommodation	Standard	$73	$8	$66	$7														
TX-30-LU	Temporary Accommodation	Standard	$25	$3	$23	$2														
TX-70-H	Temporary Accommodation	Standard	$123	$14	$110	$12														
TX-70-L	Temporary Accommodation	Standard	$96	$11	$90	$6														
TX-150-H	Temporary Accommodation	Standard	$43	$5	$39	$3														
TX-150-L	Temporary Accommodation	Standard	$11	$1	$10	$1														
DX-15-HC	Dairy	Standard	$13	$1	$9	$2														
DX-15-LC	Dairy	Standard	$9	$1	$8	$2														
DX-15-HU	Dairy	Standard	$15	$2	$13	$2														
DX-15-LU	Dairy	Standard	$18	$2	$15	$3														
DX-30-HC	Dairy	Standard	$97	$11	$77	$20														
DX-30-LC	Dairy	Standard	$32	$4	$26	$6														
DX-30-HU	Dairy	Standard	$94	$10	$76	$18														
DX-30-LU	Dairy	Standard	$74	$8	$60	$14														
DX-70-H	Dairy	Standard	$748	$83	$587	$161														
DX-70-L	Dairy	Standard	$1,061	$118	$845	$216														
DX-150-H	Dairy	Standard	$112	$12	$90	$22														
DX-150-L	Dairy	Standard	$348	$38	$275	$66														
Other	Other	Standard	$1,008	$128	$1,008	–		$20	$10	$21	$13	$9	$10	$0	$1	$26		$432	($183)	
Add extra rows for additional consumer groups or price category codes as necessary																				
		Standard consumer totals	$36,921	$4,118	$31,591	$5,330		$20	$10	$21	$13	$9	$10	$0	$1	$26	–	$432	($183)	
		Non-standard consumer totals	$6,194	$688	$4,679	$1,515		–	–	–	–	–	–	–	–	–	–	–	–	
		Total for all consumers	$43,115	$4,806	$36,270	$6,844		$20	$10	$21	$13	$9	$10	$0	$1	$26	–	$432	($183)	

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end	23,579	**Check** OK

3

NON-FINANCIAL INFORMATION RELATING TO NETWORK ASSETS

		Page
Schedule 9a	Asset Register	35
Schedule 9b	Asset Age Profile	36
Schedule 9c	Report on Overhead Lines	37
Schedule 9d	Report on Embedded Networks	38
Schedule 9e	Report on Demand	39
Schedule 10	Report on Network Reliability	40

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**
Network / Sub-network Name	

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.	22,005	22,413	408	3
10	All	Overhead Line	Wood poles	No.	12,650	12,047	(603)	3
11	All	Overhead Line	Other pole types	No.	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	498	457	(41)	2
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	–	–	–	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	11	11	(0)	2
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.	10	10	–	3
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	1	1	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	201	207	6	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.	65	73	8	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	74	70	(4)	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	76	68	(8)	3
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	42	42	–	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,201	2,194	(7)	2
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	937	938	1	2
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	128	129	1	2
39	HV	Distribution Cable	Distribution UG PILC	km	–	–	–	N/A
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	245	262	17	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	5	5	–	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	7,601	7,724	123	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	72	74	2	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	309	318	9	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	4,888	4,908	20	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	548	560	12	3
48	HV	Distribution Transformer	Voltage regulators	No.	38	38	–	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	9	9	–	3
50	LV	LV Line	LV OH Conductor	km	469	476	7	2
51	LV	LV Cable	LV UG Cable	km	179	180	1	2
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	89	87	(2)	2
53	LV	Connections	OH/UG consumer service connections	No.	4,095	4,128	33	2
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	272	281	9	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	835	881	46	3
56	All	Capacitor Banks	Capacitors including controls	No	9	11	2	4
57	All	Load Control	Centralised plant	Lot	14	14	–	3
58	All	Load Control	Relays	No	17,467	17,554	87	3
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name	The Lines Company Limited
For Year Ended	31 March 2019
Network / Sub-network Name	

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 2019

Number of assets at disclosure year end by installation date

sch ref	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	No. with age unknown	end of year (quantity)	No. with default dates	Data accuracy (1–4)
10	All	Overhead Line	Concrete poles / steel structure	No.	10	494	3,029	3,921	3,404	5,188	716	76	104	43	42	144	56	153	275	49	240	352	359	377	595	359	540	487	522	414	464	–	22,413	12,871	3
11	All	Overhead Line	Wood poles	No.	4	136	1,287	2,190	1,789	3,243	1,080	91	113	30	82	27	168	54	123	38	129	150	101	115	153	152	257	197	157	97	84	–	12,047	7,551	3
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	–	–	149	58	148	53	3	1	2	–	0	0	7	4	7	1	2	1	–	0	0	1	0	–	–	2	–	17	457	310	2
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	0	0	0	–	0	–	–	–	–	–	–	–	1	–	–	0	–	0	0	0	0	8	0	0	11	1	2
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.	–	–	–	3	4	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	1	–	–	10	6	3
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	4
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	24	32	21	12	16	–	4	4	2	7	4	9	10	2	6	3	4	4	–	9	3	7	2	13	9	–	207	92	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	2	4	–	3	–	–	3	–	2	–	1	3	5	4	7	7	4	3	2	5	1	2	7	7	–	73	11	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	–	11	18	1	13	–	–	–	2	–	1	–	2	–	3	2	–	9	–	5	–	2	1	–	–	–	70	34	3
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	4	9	3	4	–	–	12	2	9	12	–	–	–	–	1	1	–	1	6	1	–	2	1	–	–	68	32	3
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	–	1	11	3	3	4	–	1	2	2	–	–	–	3	–	1	3	–	1	1	–	1	–	–	2	3	–	42	–	3
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1	70	295	607	362	511	128	12	16	2	0	6	22	10	40	7	37	1	1	3	1	1	1	13	3	3	10	29	2,194	1,508	2
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N/A
38	HV	Distribution Line	SWER conductor	km	1	51	293	278	108	135	50	1	5	4	0	1	0	0	2	0	0	0	1	–	1	1	3	1	1	1	0	–	938	694	2
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	–	1	2	26	19	20	–	–	0	–	24	1	4	3	9	8	0	1	1	1	1	0	5	1	1	1	–	129	69	2
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N/A
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.	–	–	6	54	18	14	15	–	–	–	1	7	5	1	5	–	2	9	2	13	16	16	8	13	23	12	22	–	262	86	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3	–	–	–	–	–	1	–	–	5	1	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	–	3	168	718	1,113	1,922	680	38	91	132	122	82	46	26	31	72	194	95	157	181	281	303	324	258	248	194	245	–	7,724	3,802	2
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	1	6	6	–	–	–	–	7	4	3	4	–	–	12	4	6	7	4	3	5	1	–	–	1	–	74	18	3
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	–	–	–	3	17	44	3	–	–	–	–	–	–	10	10	18	21	15	10	21	20	25	13	17	7	50	14	–	318	50	3
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	–	–	24	108	585	1,381	603	26	92	106	125	93	64	65	71	94	240	165	163	121	104	124	116	128	105	85	120	–	4,908	2,357	2
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	–	8	63	122	33	2	8	11	13	6	9	10	11	14	45	35	63	18	17	11	12	15	5	10	19	–	560	200	3
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	1	2	–	–	1	2	–	–	–	1	2	2	4	1	2	2	2	4	3	1	4	2	2	–	–	–	38	5	3
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	–	–	1	–	–	–	–	–	–	–	–	3	–	–	–	1	1	–	1	1	1	–	–	–	–	9	1	3
51	LV	LV Line	LV OH Conductor	km	–	9	40	59	86	159	11	0	1	0	1	3	1	4	4	1	2	2	6	5	12	9	15	10	12	7	13	–	476	278	2
52	LV	LV Cable	LV UG Cable	km	–	–	3	5	64	32	7	–	–	–	–	–	3	4	3	2	5	0	0	0	1	0	0	1	0	0	1	48	180	83	2
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	87	87	–	2
54	LV	Connections	OH/UG consumer service connections	No.	–	–	–	–	80	3,525	1	–	–	–	–	–	–	–	–	2	3	54	65	42	67	64	42	57	38	39	49	–	4,128	2,705	2
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	2	24	73	4	63	–	–	38	20	8	9	2	7	3	–	–	–	–	5	–	–	8	13	1	1	–	281	174	3
56	All	SCADA and communications	SCADA and communications equipment operating as a single syst	Lot	–	–	–	–	3	2	176	7	81	7	17	108	98	109	44	2	12	15	4	1	–	15	69	35	24	14	38	–	881	301	3
57	All	Capacitor Banks	Capacitors including controls	No	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	1	3	–	2	2	–	2	–	11	–	4
58	All	Load Control	Centralised plant	Lot	–	–	–	3	1	–	3	–	–	–	–	–	–	–	–	–	3	1	1	–	–	–	1	1	–	–	–	–	14	5	3
59	All	Load Control	Relays	No	–	–	–	–	–	18	60	6	6	12	–	18	12	6	6	–	12	12	13	–	8	73	1	1	26	–	–	17,264	17,554	90	3
60	All	Civils	Cable Tunnels	km	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N/A

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**
Network / Sub-network Name	

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	–	–	–
12	50kV & 66kV	–	–	–
13	33kV	457	11	467
14	SWER (all SWER voltages)	938	–	938
15	22kV (other than SWER)	–	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	2,194	129	2,323
17	Low voltage (< 1kV)	476	180	656
18	**Total circuit length (for supply)**	4,065	320	4,385
19				
20	Dedicated street lighting circuit length (km)	39	48	87
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			673
22				

23	**Overhead circuit length by terrain (at year end)**	**Circuit length (km)**	**(% of total overhead length)**
24	Urban	489	12%
25	Rural	2,974	73%
26	Remote only	300	7%
27	Rugged only	83	2%
28	Remote and rugged	210	5%
29	Unallocated overhead lines	9	0%
30	**Total overhead length**	4,065	100%
31			

32		**Circuit length (km)**	**(% of total circuit length)**
33	Length of circuit within 10km of coastline or geothermal areas (where known)	284	6%

34		**Circuit length (km)**	**(% of total overhead length)**
35	Overhead circuit requiring vegetation management	673	17%

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

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

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

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**
Network / Sub-network Name	

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

*Consumer types defined by EDB**	Number of connections (ICPs)
Standard: Service Level Urban A	81
Standard: Service Level Rural B	14
Standard: Service Level Rural C	35
Standard: Service Level Rural D	57
Standard: Service Level Remote Rural E	8
Standard: Service Level Remote Rural F	2
Non-Standard Customer Connection	

** include additional rows if needed*

Connections total	197	

Distributed generation

Number of connections made in year	22	**connections**
Capacity of distributed generation installed in year	0.22	**MVA**

9e(ii): System Demand

		Demand at time of maximum coincident demand (MW)	
	Maximum coincident system demand		
	GXP demand	57	
plus	Distributed generation output at HV and above	16	
	Maximum coincident system demand	73	
less	Net transfers to (from) other EDBs at HV and above	–	
	Demand on system for supply to consumers' connection points	73	

		Energy (GWh)	
	Electricity volumes carried		
	Electricity supplied from GXPs	329	
less	Electricity exports to GXPs	4	
plus	Electricity supplied from distributed generation	70	
less	Net electricity supplied to (from) other EDBs	(12)	
	Electricity entering system for supply to consumers' connection points	407	
less	Total energy delivered to ICPs	381	
	Electricity losses (loss ratio)	27	6.5%
	Load factor	0.64	

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	246
Distribution transformer capacity (Non-EDB owned, estimated)	11
Total distribution transformer capacity	256
Zone substation transformer capacity	208

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**
Network / Sub-network Name	

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

10(i): Interruptions

	Interruptions by class	Number of interruptions
10	Class A (planned interruptions by Transpower)	1
11	Class B (planned interruptions on the network)	280
12	Class C (unplanned interruptions on the network)	645
13	Class D (unplanned interruptions by Transpower)	5
14	Class E (unplanned interruptions of EDB owned generation)	–
15	Class F (unplanned interruptions of generation owned by others)	3
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)	551
19	**Total**	1,485

	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	450	195

	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	0.08	0.26
26	Class B (planned interruptions on the network)	1.09	148.94
27	Class C (unplanned interruptions on the network)	3.89	240.09
28	Class D (unplanned interruptions by Transpower)	0.50	84.74
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	0.21	3.60
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)	0.18	37.17
34	**Total**	5.95	514.8

	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	4.98	378.8

Company Name	**The Lines Company Limited**
For Year Ended	**31 March 2019**
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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

Cause	SAIFI	SAIDI
Lightning	0.25	19.55
Vegetation	0.23	48.82
Adverse weather	0.05	7.46
Adverse environment	–	–
Third party interference	0.21	50.05
Wildlife	0.58	14.78
Human error	0.26	9.27
Defective equipment	0.95	68.51
Cause unknown	1.37	21.65

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.02	8.01
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	1.07	140.94
Distribution cables (excluding LV)	–	–
Distribution other (excluding LV)	–	–

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	1.85	61.33
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	1.94	169.67
Distribution cables (excluding LV)	0.10	9.08
Distribution other (excluding LV)	–	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	40	457	8.76
Subtransmission cables	–	11	–
Subtransmission other	–		
Distribution lines (excluding LV)	600	2,194	27.35
Distribution cables (excluding LV)	5	129	3.87
Distribution other (excluding LV)	–		
Total	645		

4

ASSET MANAGEMENT PLANS AND FORECAST INFORMATION

		Page
Schedule 11a	Report on Forecast Capital Expenditure	43
Schedule 11b	Report on Forecast Operational Expenditure	47
Schedule 12a	Report on Asset condition	48
Schedule 12b	Report on Forecast Capacity	50
Schedule 12c	Report on Forecast Network Demand	51
Schedule 12d	Report on Forecast Interruptions and Durations	52

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).

This information is not part of audited disclosure information.

sch ref			*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
		for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**	**31 Mar 28**	**31 Mar 29**
	11a(i): Expenditure on Assets Forecast		**$000 (in nominal dollars)**										
	Consumer connection		4,937	789	1,062	2,874	2,004	1,871	1,230	1,257	1,285	1,313	1,342
	System growth		1,097	2,916	3,255	757	2,400	2,403	1,695	727	1,397	1,992	2,518
	Asset replacement and renewal		7,882	8,549	7,977	7,692	9,529	10,549	9,228	9,058	9,590	9,157	9,669
	Asset relocations		12	50	12	13	13	13	13	14	14	14	15
	Reliability, safety and environment:												
	Quality of supply		1,994	2,672	2,620	3,355	776	433	2,042	2,573	582	595	657
	Legislative and regulatory		-	-	-	-	-	-	-	-	-	-	-
	Other reliability, safety and environment		1,610	1,372	1,483	1,316	232	311	306	210	285	253	85
	Total reliability, safety and environment		3,604	4,044	4,103	4,672	1,008	744	2,348	2,783	867	849	742
	Expenditure on network assets		17,532	16,349	16,409	16,007	14,954	15,580	14,515	13,839	13,154	13,325	14,285
	Expenditure on non-network assets		785	2,203	1,353	338	284	168	171	175	179	183	187
	Expenditure on assets		18,317	18,551	17,762	16,345	15,238	15,747	14,686	14,014	13,333	13,508	14,472
plus	Cost of financing		270	371	348	313	286	289	263	246	229	227	238
less	Value of capital contributions		-	-	-	-	-	-	-	-	-	-	-
plus	Value of vested assets		-	-	-	-	-	-	-	-	-	-	-
	Capital expenditure forecast		18,587	18,922	18,109	16,658	15,524	16,036	14,950	14,260	13,561	13,735	14,710
	Assets commissioned		17,532	16,349	16,409	16,007	14,954	15,580	14,515	13,839	13,154	13,325	14,285

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**	**31 Mar 28**	**31 Mar 29**
		$000 (in constant prices)										
	Consumer connection	4,937	789	1,039	2,751	1,877	1,715	1,103	1,103	1,103	1,103	1,103
	System growth	1,097	2,916	3,185	725	2,248	2,202	1,521	638	1,200	1,674	2,070
	Asset replacement and renewal	7,882	8,549	7,805	7,364	8,927	9,670	8,277	7,949	8,235	7,694	7,949
	Asset relocations	12	50	12	12	12	12	12	12	12	12	12
	Reliability, safety and environment:											
	Quality of supply	1,994	2,672	2,564	3,212	727	397	1,832	2,258	500	500	540
	Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
	Other reliability, safety and environment	1,610	1,372	1,451	1,260	217	285	274	185	244	213	70
	Total reliability, safety and environment	3,604	4,044	4,014	4,473	945	682	2,106	2,442	744	713	610
	Expenditure on network assets	17,532	16,349	16,056	15,325	14,009	14,281	13,019	12,145	11,295	11,196	11,744
	Expenditure on non-network assets	785	2,025	1,025	132	217	285	154	154	154	154	154
	Expenditure on assets	18,317	18,374	17,081	15,457	14,226	14,566	13,172	12,298	11,449	11,349	11,898
	Subcomponents of expenditure on assets (where known)											
	Energy efficiency and demand side management, reduction of energy losses											
	Overhead to underground conversion											
	Research and development											

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).

This information is not part of audited disclosure information.

sch ref

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**	**31 Mar 25**	**31 Mar 26**	**31 Mar 27**	**31 Mar 28**	**31 Mar 29**
	Difference between nominal and constant price forecasts	**$000**										
	Consumer connection	-	-	23	122	127	156	127	154	182	210	239
	System growth	-	-	70	32	152	200	175	89	197	318	448
	Asset replacement and renewal	-	-	172	328	602	879	951	1,109	1,355	1,463	1,720
	Asset relocations	-	-	0	1	1	1	1	2	2	2	3
	Reliability, safety and environment:											
	Quality of supply	-	-	56	143	49	36	211	315	82	95	117
	Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
	Other reliability, safety and environment	-	-	32	56	15	26	32	26	40	40	15
	Total reliability, safety and environment	-	-	88	199	64	62	242	341	122	136	132
	Expenditure on network assets	-	-	353	682	945	1,299	1,496	1,694	1,859	2,129	2,541
	Expenditure on non-network assets	-	178	328	206	67	(117)	18	21	25	29	33
	Expenditure on assets	-	178	681	888	1,012	1,181	1,514	1,715	1,884	2,158	2,574

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
	11a(ii): Consumer Connection						
	*Consumer types defined by EDB**	**$000 (in constant prices)**					
	Standard Connection: Urban	107	109	109	109	109	109
	Standard Connection: Rural	248	253	253	253	253	253
	Standard Connection: Remote Rural	27	27	27	27	27	27
	Non-Standard Customer Connection	4,555	400	650	2,362	1,488	1,326
	**include additional rows if needed*						
	Consumer connection expenditure	4,937	789	1,039	2,751	1,877	1,715
less	Capital contributions funding consumer connection						
	Consumer connection less capital contributions	4,937	789	1,039	2,751	1,877	1,715
	11a(iii): System Growth						
	Subtransmission	190	-	1,275	-	1,451	615
	Zone substations	-					-
	Distribution and LV lines	105	1,250	1,650		105	425
	Distribution and LV cables	802	1,666	70	608	575	1,050
	Distribution substations and transformers	-	-	-	-	-	-
	Distribution switchgear	-	-				-
	Other network assets	-	-	190	116	116	112
	System growth expenditure	1,097	2,916	3,185	725	2,248	2,202
less	Capital contributions funding system growth						
	System growth less capital contributions	1,097	2,916	3,185	725	2,248	2,202

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).

This information is not part of audited disclosure information.

sch ref

11a(iv): Asset Replacement and Renewal

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
	$000 (in constant prices)						
	Subtransmission	1,205	1,593	1,424	1,786	1,287	1,409
	Zone substations	453	1,415	421	95	1,174	1,147
	Distribution and LV lines	4,692	4,625	4,703	4,414	4,340	5,095
	Distribution and LV cables	500	-	550	350	1,603	1,484
	Distribution substations and transformers	250	255	255	255	255	255
	Distribution switchgear	131	200	230	144	187	197
	Other network assets	652	461	222	320	82	82
	Asset replacement and renewal expenditure	7,882	8,549	7,805	7,364	8,927	9,670
less	Capital contributions funding asset replacement and renewal						
	Asset replacement and renewal less capital contributions	7,882	8,549	7,805	7,364	8,927	9,670

11a(v): Asset Relocations

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
	*Project or programme**	**$000 (in constant prices)**					
	Miscellaneous	12	50	12	12	12	12
	**include additional rows if needed*						
	All other project or programmes - asset relocations						
	Asset relocations expenditure	12	50	12	12	12	12
less	Capital contributions funding asset relocations						
	Asset relocations less capital contributions	12	50	12	12	12	12

11a(vi): Quality of Supply

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
	*Project or programme**	**$000 (in constant prices)**					
	11kV Fdr Dev - Feeder Development	-	200	-	82	-	-
	11kV Fdr Dev - Switch Automation and Renewal	175	340	250	643	513	297
	Sub & 33 Dev - 33kV Lines	204	209	60	-	-	-
	Sub & 33 Dev - Substations	1,615	1,923	2,200	2,220	214	-
	Sub & 33 Dev - Supply Points	-	-	54	268	-	100
	**include additional rows if needed*						
	All other projects or programmes - quality of supply						
	Quality of supply expenditure	1,994	2,672	2,564	3,212	727	397
less	Capital contributions funding quality of supply						
	Quality of supply less capital contributions	1,994	2,672	2,564	3,212	727	397

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).

This information is not part of audited disclosure information.

sch ref

11a(vii): Legislative and Regulatory

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
	*Project or programme**	**$000 (in constant prices)**					
	*include additional rows if needed						
	All other projects or programmes - legislative and regulatory						
	Legislative and regulatory expenditure	-	-	-	-	-	-
less	Capital contributions funding legislative and regulatory						
	Legislative and regulatory less capital contributions	-	-	-	-	-	-

11a(viii): Other Reliability, Safety and Environment

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
	*Project or programme**	**$000 (in constant prices)**					
	11kV Fdr Dev - Switchgear for Safety	261	-	-	-	76	82
	Sub & 33 Dev - 33kV Lines	-	40	-	-	54	54
	Sub & 33 Dev - Substations	420	-	-	107	-	-
	Sub & 33 Dev - Supply Points	190	75	25	25	88	150
	Tx & Service Boxes - 2 Pole Structures	29	1,257	1,426	1,128	-	-
	Tx & Service Boxes - GMT	710	-	-	-	-	-
	*include additional rows if needed						
	All other projects or programmes - other reliability, safety and environment						
	Other reliability, safety and environment expenditure	1,610	1,372	1,451	1,260	217	285
less	Capital contributions funding other reliability, safety and environment						
	Other reliability, safety and environment less capital contributions	1,610	1,372	1,451	1,260	217	285

11a(ix): Non-Network Assets

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
	Routine expenditure						
	*Project or programme**	**$000 (in constant prices)**					
	Eng & Asset Capital - Data Systems	50	-	-	-	76	82
	Eng & Asset Capital - Misc Equip	262	40	-	-	54	54
	Eng & Asset Capital - Office Area	23	-	-	107	-	-
	Eng & Asset Capital - Vehicle Replacements	150	75	25	25	88	150
	*include additional rows if needed						
	All other projects or programmes - routine expenditure						
	Routine expenditure	485	115	25	132	217	285
	Atypical expenditure						
	*Project or programme**						
	Eng & Asset Capital - Building Re-structure	300	1,500	1,000	-	-	-
	Eng & Asset Capital - EV Project	-	410			-	-
	*include additional rows if needed						
	All other projects or programmes - atypical expenditure						
	Atypical expenditure	300	1,910	1,000	-	-	-
	Expenditure on non-network assets	785	2,025	1,025	132	217	285

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**

SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE

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

sch ref		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
8	for year ended	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29
9	**Operational Expenditure Forecast**	**$000 (in nominal dollars)**										
10	Service interruptions and emergencies	1,165	1,165	1,188	1,212	1,236	1,261	1,286	1,312	1,338	1,365	1,392
11	Vegetation management	984	1,220	1,246	971	992	1,012	1,034	1,055	1,078	1,100	1,123
12	Routine and corrective maintenance and inspection	1,199	1,219	1,245	1,271	1,299	1,326	1,355	1,384	1,413	1,444	1,475
13	Asset replacement and renewal	190	190	194	197	201	205	210	214	218	222	227
14	**Network Opex**	3,538	3,794	3,872	3,652	3,728	3,805	3,884	3,965	4,047	4,131	4,217
15	System operations and network support	2,520	2,247	2,303	2,361	2,420	2,480	2,542	2,605	2,670	2,737	2,805
16	Business support	6,143	6,359	6,148	6,313	6,422	6,564	6,708	6,856	7,007	7,162	7,320
17	**Non-network opex**	8,663	8,606	8,451	8,674	8,842	9,044	9,250	9,462	9,678	9,899	10,125
18	**Operational expenditure**	12,201	12,400	12,323	12,326	12,570	12,849	13,135	13,426	13,725	14,030	14,342

		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
20	for year ended	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29
21		**$000 (in constant prices)**										
22	Service interruptions and emergencies	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165
23	Vegetation management	984	1,220	1,221	934	934	935	936	937	938	939	940
24	Routine and corrective maintenance and inspection	1,199	1,219	1,220	1,222	1,224	1,225	1,227	1,229	1,230	1,232	1,234
25	Asset replacement and renewal	190	190	190	190	190	190	190	190	190	190	190
26	**Network Opex**	3,538	3,794	3,796	3,510	3,513	3,515	3,518	3,521	3,523	3,526	3,528
27	System operations and network support	2,520	2,247	2,258	2,269	2,280	2,291	2,302	2,313	2,325	2,336	2,347
28	Business support	6,143	6,359	6,027	6,068	6,052	6,064	6,076	6,088	6,100	6,113	6,125
29	**Non-network opex**	8,663	8,606	8,285	8,337	8,332	8,355	8,378	8,402	8,425	8,449	8,472
30	**Operational expenditure**	12,201	12,400	12,082	11,848	11,845	11,871	11,896	11,922	11,948	11,974	12,001
31	**Subcomponents of operational expenditure (where known)**											
32	Energy efficiency and demand side management, reduction of											
33	energy losses	-	-	-	-	-				-	-	-
34	Direct billing*	2,207	1,844	1,755	1,738	1,777	1,818	1,859	1,901	1,944	1,988	2,033
35	Research and Development	-	-	-	-	-	-	-	-	-	-	-
36	Insurance	193	290	296	302	308	314	320	327	333	340	347
37	** Direct billing expenditure by suppliers that direct bill the majority of their consumers*											
38												

		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
40	for year ended	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29
41	**Difference between nominal and real forecasts**	**$000**										
42	Service interruptions and emergencies	-	-	23	47	71	96	121	147	173	200	227
43	Vegetation management	-	-	24	38	57	77	97	118	139	161	183
44	Routine and corrective maintenance and inspection	-	-	24	49	75	101	128	155	183	212	241
45	Asset replacement and renewal	-	-	4	8	12	16	20	24	28	33	37
46	**Network Opex**	-	-	76	142	215	290	366	444	524	605	688
47	System operations and network support	-	-	45	92	140	189	240	292	346	401	458
48	Business support	-	-	121	245	370	500	632	768	907	1,049	1,195
49	**Non-network opex**	-	-	166	337	510	689	872	1,060	1,253	1,450	1,653
50	**Operational expenditure**	-	-	242	479	725	979	1,238	1,504	1,777	2,056	2,341

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**

SCHEDULE 12a: REPORT ON ASSET CONDITION

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

sch ref					**Asset condition at start of planning period (percentage of units by grade)**							
	Voltage	**Asset category**	**Asset class**	**Units**	**H1**	**H2**	**H3**	**H4**	**H5**	**Grade unknown**	**Data accuracy (1–4)**	**% of asset forecast to be replaced in next 5 years**
10	All	Overhead Line	Concrete poles / steel structure	No.	0.70%	0.22%	0.54%	78.29%	10.20%	10.05%	3	0.92%
11	All	Overhead Line	Wood poles	No.	2.26%	0.86%	1.09%	52.19%	6.24%	37.35%	2	3.12%
12	All	Overhead Line	Other pole types	No.	-	-	-	-	-	-	N/A	-
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	15.66%	-	83.66%	0.63%	0.06%	2	9.64%
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	-	-	-	N/A	-
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	26.09%	60.87%	13.04%	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.	-	-	-	80.00%	20.00%	-	4	-
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	-	-	N/A	-
26	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	-	-	-	N/A	-
27	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1.59%	-	-	66.67%	30.16%	1.59%	3	1.59%
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	-	N/A	-
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	0.48%	7.25%	-	76.33%	15.94%	-	3	4.50%
30	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	-	-	N/A	-
31	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	-	-	N/A	-
32	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	-	-	N/A	-
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	11.43%	-	-	82.86%	4.29%	1.43%	3	11.43%
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	94.67%	5.33%	-	3	-

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**

SCHEDULE 12a: REPORT ON ASSET CONDITION

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

sch ref						Asset condition at start of planning period (percentage of units by grade)							
	Voltage	**Asset category**	**Asset class**	**Units**	**H1**	**H2**	**H3**	**H4**	**H5**	**Grade unknown**	**Data accuracy (1–4)**	**% of asset forecast to be replaced in next 5 years**
39	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	2.44%	19.51%	68.29%	9.76%	-	4	2.44%
40	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0.02%	22.23%	0.03%	76.09%	1.41%	0.22%	2	1.59%
41	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	N/A	-
42	HV	Distribution Line	SWER conductor	km	0.11%	34.78%	0.03%	64.67%	0.35%	0.05%	2	0.10%
43	HV	Distribution Cable	Distribution UG XLPE or PVC	km	0.14%	0.69%	-	8.01%	8.01%	83.15%	2	0.83%
44	HV	Distribution Cable	Distribution UG PILC	km	-	-	-	-	-	-	N/A	-
45	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	-	N/A	-
46	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	-	4.55%	-	63.64%	30.91%	0.91%	3	4.55%
47	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	80.00%	20.00%	-	3	-
48	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	-	0.60%	0.01%	83.53%	15.81%	0.05%	2	0.60%
49	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	90.41%	9.59%	-	3	-
50	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	-	-	-	69.62%	29.75%	0.63%	3	-
51	HV	Distribution Transformer	Pole Mounted Transformer	No.	-	1.87%	-	86.80%	11.33%	-	2	1.87%
52	HV	Distribution Transformer	Ground Mounted Transformer	No.	-	0.38%	-	89.83%	9.79%	-	3	3.77%
53	HV	Distribution Transformer	Voltage regulators	No.	-	2.97%	-	80.20%	16.83%	-	3	-
54	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	44.44%	55.56%	-	3	-
55	LV	LV Line	LV OH Conductor	km	0.30%	30.36%	0.06%	63.50%	1.25%	4.53%	2	6.13%
56	LV	LV Cable	LV UG Cable	km	-	-	-	3.87%	1.63%	94.50%	2	-
57	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km	-	24.00%	-	24.91%	-	51.10%	2	4.80%
58	LV	Connections	OH/UG consumer service connections	No.	0.07%	-	0.02%	5.52%	3.98%	90.40%	2	0.07%
59	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	6.69%	13.75%	-	74.35%	4.83%	0.37%	3	6.69%
60	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	10.88%	10.41%	-	58.95%	18.48%	1.29%	3	10.88%
61	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	55.56%	44.44%	-	4	-
62	All	Load Control	Centralised plant	Lot	-	30.77%	-	53.85%	15.38%	-	3	-
63	All	Load Control	Relays	No.	-	-	-	62.41%	11.38%	26.21%	3	-
64	All	Civils	Cable Tunnels	km	-	-	-	-	-	-	N/A	-

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**

SCHEDULE 12b: REPORT ON FORECAST CAPACITY

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

sch ref

12b(i): System Growth - Zone Substations

Existing Zone Substations	Current Peak Load (MVA)	Installed Firm Capacity (MVA)	Security of Supply Classification (type)	Transfer Capacity (MVA)	Utilisation of Installed Firm Capacity %	Installed Firm Capacity +5 years (MVA)	Utilisation of Installed Firm Capacity + 5yrs %	Installed Firm Capacity Constraint +5 years (cause)	Explanation
Arohena	2.5	-	N	1	-	-	-	No constraint within +5 years	
Atiamuri	7.0	-	N	-	-	-	-	No constraint within +5 years	
Awamate	0.8	-	N	1	-	-	-	No constraint within +5 years	
Borough	8.5	10	N - 1	3	85%	10	85%	No constraint within +5 years	
Gadsby Road	5.6	-	N	6	-	-	-	Transformer	
Hangatiki	3.4	-	N	1	-	-	-	No constraint within +5 years	
Kaahu Tee	1.5	-	N	1	-	-	-	No constraint within +5 years	
Kiko Road	-	-	N	-	-	-	-	No constraint within +5 years	Transformer out of service. Site currently operating as a switching station.
Kuratau	2.5	-	N	0	-	3	80%	No constraint within +5 years	
Mahoenui	0.9	-	N	0	-	-	-	No constraint within +5 years	
Manunui	3.1	-	N	1	-	-	-	No constraint within +5 years	
Maraetai	5.6	-	N	1	-	-	-	No constraint within +5 years	
Marotiri	2.6	-	N	1	-	-	-	No constraint within +5 years	
Mokai	4.2	-	N	1	-	-	-	No constraint within +5 years	
National Park	1.4	-	N	1	-	-	-	No constraint within +5 years	
Nihoniho	0.5	-	N	1	-	-	-	No constraint within +5 years	
Oparure	2.0	-	N	1	-	-	-	No constraint within +5 years	
Otukou	0.2	-	N	-	-	-	-	No constraint within +5 years	
Taharoa	14.9	10	N - 1	-	149%	10	150%	Transformer	Constraint managed through agreement with major customer
Taharoa Village	0.3	-	N	-	-	-	-	No constraint within +5 years	
Tawhai	4.9	-	N	1	-	-	-	No constraint within +5 years	
Te Anga	2.1	-	N	-	-	-	-	No constraint within +5 years	
Te Waireka	12.3	15	N - 1	3	82%	15	91%	No constraint within +5 years	
Tokaanu	0.2	-	N	-	-	-	-	No constraint within +5 years	
Tuhua	0.6	-	N	1	-	-	-	No constraint within +5 years	
Turangi	4.9	5	N - 1	2	98%	5	100%	No constraint within +5 years	
Waiotaka	2.1	-	N	1	-	-	-	No constraint within +5 years	
Wairere	3.0	3	N - 1	1	118%	3	118%	Transformer	
Waitete	8.9	10	N - 1	4	89%	10	89%	No constraint within +5 years	

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

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**

SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

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

sch ref

12c(i): Consumer Connections

Number of ICPs connected in year by consumer type

Number of connections

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
	*Consumer types defined by EDB**						
	Standard Connection: Urban	39	44	44	44	44	44
	Standard Connection: Rural	82	92	92	92	92	92
	Standard Connection: Remote Rural	9	9	9	9	9	9
	Non-Standard Customer Connection	-	-	1	-	-	-
	Connections total	130	145	146	145	145	145

**include additional rows if needed*

Distributed generation

	Number of connections	8	9	10	10	10	11
	Capacity of distributed generation installed in year (MVA)	0.034	0.038	0.043	0.043	0.043	0.047

12c(ii) System Demand

		Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
	Maximum coincident system demand (MW) for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
	GXP demand	64	67	71	72	73	73
plus	Distributed generation output at HV and above	17	12	12	12	12	12
	Maximum coincident system demand	81	80	84	84	85	86
less	Net transfers to (from) other EDBs at HV and above	-	-	-	-	-	-
	Demand on system for supply to consumers' connection points	81	80	84	84	85	86
	Electricity volumes carried (GWh)						
	Electricity supplied from GXPs	323	341	360	362	365	368
less	Electricity exports to GXPs	5	5	5	5	5	6
plus	Electricity supplied from distributed generation	84	84	84	84	84	84
less	Net electricity supplied to (from) other EDBs	(12)	(12)	(12)	(12)	(13)	(13)
	Electricity entering system for supply to ICPs	415	431	451	453	456	459
less	Total energy delivered to ICPs	386	403	422	424	427	429
	Losses	28	28	29	29	29	30
	Load factor	58%	62%	62%	61%	61%	61%
	Loss ratio	6.8%	6.5%	6.5%	6.5%	6.5%	6.5%

Company Name	**The Lines Company**
AMP Planning Period	**1 April 2019 – 31 March 2029**
Network / Sub-network Name	

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

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

sch ref								
8		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
9	for year ended	**31 Mar 19**	**31 Mar 20**	**31 Mar 21**	**31 Mar 22**	**31 Mar 23**	**31 Mar 24**
10	**SAIDI**						
11	Class B (planned interruptions on the network)	58.7	62.2	65.6	69.0	72.3	75.7
12	Class C (unplanned interruptions on the network)	175.5	172.0	168.6	165.2	161.9	158.5
13	**SAIFI**						
14	Class B (planned interruptions on the network)	0.87	0.92	0.97	1.02	1.07	1.12
15	Class C (unplanned interruptions on the network)	2.60	2.55	2.50	2.45	2.40	2.35

5

EXPLANATORY NOTES TO DISCLOSED INFORMATION

		Page
Schedule 14	Mandatory Explanation Notes	54
Schedule 14a	Mandatory Explanation Notes on Forecast Information	63
Schedule 15	Voluntary Explanatory Notes	64

Company Name	The Lines Company Limited
For Year Ended	31 March 2019

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
TLC's Regulatory Asset Base has increased by 9% in 2019 compared to 1% in 2018. ROI – compared to post tax WACC, has increased from 6.89% in 2018 to 6.97% for 2019.

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

Regulatory profit for the year ended 31 March 2019 was $13.59m. This represents an increase of $0.70m from the previous year (31 March 2018 – $12.89m).

The increase in regulatory profit was largely due to higher line charge revenue[1], lower pass-through and recoverable cost, higher operational expenditure, higher revaluations and lower regulatory tax allowance.

[1]The increase in line charge revenue was due to the changes in pricing methodology from 1 October 2018, as a result of this 60% of metering revenue was included in the line charge revenue.

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
Not applicable.

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 value of the regulatory asset base (schedule 4) has been completed in accordance with the Commerce Commission's requirements. Asset Category Transfers are the result of continued data cleansing. Following targeted data cleansing on assets categorised under 'other network assets' $10.87m of assets were re-allocated. The majority of the assets that were reclassified were historic assets that were bulk added when transitioning to the current asset management database in 2009. These bulk items related to work carried out between 2004 and 2009 where cost had not been directly attributed to an individual asset. This reclassification was able to be carried our as the majority of these assets were homogenously aligned with the 9 asset categories.

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
Not applicable.

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)

Negative Temporary Differences (Gross values):
- Opening accrued annual leave accrual - $293k
- Opening long service leave accrual - $85k
- Opening bonus provision accrual - $139k
- Opening bad debt provision - $327k
- Opening general provision - Nil
- Opening unrecognised capital contributions – ($1800k)
- Lines renewal R&M deduction - $6,557k
- Total Negative Temporary Differences - $6,171k

Positive Temporary Differences (Gross values):
- Closing accrued annual leave accrual - $268k
- Closing long service leave accrual - $25k
- Closing bonus provision accrual - $111k
- Closing bad debt provision - $178k
- Closing general provision – nil
- Closing unrecognised capital contributions – ($1577k)
- Total Positive Temporary Differences – ($989k)

Net NEGATIVE temporary differences is $7,165. tax effect $2,005

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

Directly attributable costs include, for each TLC division or part thereof which has any regulatory business transactions, each general ledger cost code which is allocated 100% to the regulatory business.

Directly attributable costs are primarily incurred in the functional areas of :

- Service interruptions and emergencies
- Vegetation management
- Routine and corrective maintenance and inspection
- Asset replacement and renewal
- Network operations and support
- Billing and Customer Services
- Regulatory Cost
- Cost associated with new pricing change
- Connection/Disconnection expenses

TLC has opted to apply ABAA (Accounting based allocation approach) to allocate those operating costs not directly attributable to the regulatory business. The proxy allocation method was used to allocate operating cost for which causal relationship cannot be established. The methodology behind the use of each proxy allocator is based on an analysis of each general ledger cost codes that are not directly attributable regulatory business.

Not directly attributable costs primarily arise in the functional support areas of:

- Corporate Services which has a proxy cost allocator of total revenue
- Finance which has a proxy cost allocator of staff time
- Human Resources has a proxy allocator of headcount
- Information Technology has a proxy allocator of IT headcount
- Building (Head office) has a proxy allocator of headcount
- Public relations has a proxy allocator of staff time
- Metering 60% is allocated to regulatory business as per the new pricing methodology

The not directly attributable cost included in business support include the main cost categories below:

- Personnel costs
- Property costs
- Professional services fees
- Customer-related expenses

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

Directly attributable assets are those assets used wholly and solely in the conveyance of electricity or management of the electricity network.

Not directly attributable assets are non-system assets which include the following:

- Buildings
- Plant/Vehicles/Equipment
- Office Equipment & Furniture
- IT Equipment and Software
- Intangibles (leaseholds, easements, etc.)

Not directly attributable assets have been determined to be 80% related to the regulatory business.

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(2).

Box 9: Explanation of capital expenditure for the disclosure year

Schedule 6a projects and programmes are taken from the AMP Planning tools in the Asset Management software. They are summarised figures based on individual planning items excluding the small projects which are presented as all other projects where applicable.

There has been no financial reclassification of items.

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

Network Operational expenditure is consistent in type with respect to routine system and network maintenance carried out. Material asset replacement and renewal expenditure pertains to battery replacement, total dismantles, transformer refurbishment and swap-outs.

As part of the price restructure, metering charges are included in network revenue from 1 October 2018. TLC now requires monthly meter data for all customers on kWh based pricing. TLC is charging customers directly for metering services, and the charges reflect the type of meter in use for each ICP. We note that a portion of the total metering charge is attributed to non-regulated services (40%), as meters are also used for retail market services. Therefore 60% of the cost associated with the metering cost is now included in the business support OPEX category.

There has been no financial reclassification of items.

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

Total capital expenditure for the period was 22% above AMP forecast.

Network Capital expenditure was 15% above forecast. Our 2019 works program exceeded our forecast of $17.6 million included in our 2018[1] AMP due to additional work being required as a result of the deferment of some planned work in 2018. In 2019 TLC considered that further deferment of planned work was not appropriate and that a "catch-up" of the work deferred from 2018 was required, which resulted in the material increase in spend and planned outages.

Non-network capital expenditure $1.33m above forecast, this is due to new billing system implementation.

Customer Connections
Expenditure on customer connections was 27% above the forecast. This was driven by higher than forecast costs for the Hangatiki GXP upgrade project which had lower expenditure in 2018 than forecast which was carried through to 2019.

Asset Replacement and Renewal
Expenditure on asset replacement and renewals was 15% above the forecast. This was due to higher than expected line renewal projects cost.

Other reliability, safety and environment
Expenditure on other reliability, safety and environment was 32% above the forecast. The primary driver of this increase was an increase in expenditure on the ground mount transformer replacement programme due to increased complexity of two of the projects that greatly increased costs.

Quality of Supply
Due to an update of our security of supply standard the 'Maraetai Dual Transformers' project was revaluated and differed. This resulted in quality of supply expenditure being 18% below forecast.

[1] TLC deferred some capital work in 2018 due to our desire to comply with the 2018 quality standards. This was noted in our 2018 compliance statement. Refer "The Lines Company Limited, Default Price Quality Path Compliance Statement", 13 June 2018, p6.

Operational Expenditure

Total operational expenditure was 16% more than the forecast.

Network OPEX was 8% more than the forecast. This is primarily driven by an increased spend on vegetation and asset replacement and renewals.

Non-network OPEX was 20% above the forecast. The reason for this change was due to inclusion of the 60% metering cost from 1 October 2018.

Asset Replacement and renewal
Asset replacement and renewal expenditure was 51% above forecast. This was driven primarily by the repairs and refurbishment of 11kV switchgear and a local service transformer that was identified during the upgrade of associated equipment at Te Waireka zone substation.

System Operations and Network Support
Expenditure on system operations and network support was 25% lesser than the forecast, the change was primarily driven by higher engineering recoveries due to the higher amount of capital projects that were completed in 2019.

Business Support
Expenditure on business support was 38% more than the forecast. This was due to the new pricing project implementation ($0.9m) and inclusion of 60% metering cost as a regulated item with the introduction of the new pricing from 1 October 2018.

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

For the period 1 April 2018 to 31 March 2019, target revenue was $41.9m, however actual revenue was $43.3m. This was 3% above forecast.

TLC changed its pricing methodology effective 1 October 2018 for most customers. Due to this change, 60% of metering revenue was deemed to be regulated from 1 October 2018, plus revenue from consumers not taking up prompt payment discount was slightly higher than forecast resulting in an increase in actual revenue compared to forecast.

Schedule 8 was prepared based on two different pricing methodologies: kW Load quantities from 1 April 2018 to 30 September 2018, and kWh quantities from 1 October 2018 to 31 March 2019.

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

Voluntary notes are provided in Schedule 15.

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

TLC has an insurance programme in place for selected network and non-network assets.
This insurance programme is placed with a reputable insurer(s) organised by an independent broker.
The insured assets covered under material damage, business
interruption and machinery breakdown policies include:

- Ground mounted substations and transformers
- Plant & equipment
- Vehicles
- Buildings
- Office equipment

The sum insured of assets is $68.6m (excluding buildings). Machinery breakdown cover is $28.27m, and $1.47m per event.

TLC has a number of liability insurance policies to cover: Public liability, statutory liability, fidelity/theft, Professional Indemnity and Directors & Officers liability.

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

Company Name	The Lines Company Limited
For Year Ended	31 March 2019

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 clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

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

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

Nominal Capital Expenditure forecasts for the current year in Schedule 11a are the same.

The following increases have been applied to nominal forecasts for other years:

Year 2 1.77%
Year 3 2.11%
Year 4 2.15%
Year 5 onwards 2.20%

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

Nominal Capital Expenditure forecasts for the current year in Schedule 11a are the same. The following increases have been applied to nominal forecasts for other years:

Year 2 1.77%
Year 3 2.11%
Year 4 2.15%
Year 5 onwards 2.20%

Company Name The Lines Company

For Year Ended 31 March 2019

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.)

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

   5.1 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;

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

6. 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.

7. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

Schedule 5a

Cost of financing – we have identified that the cost of financing was included in the individual capital expenditure categories and also as a separate line item (Cell K29) for the disclosure periods 2015 – 2018. This has been corrected in 2019 and disclosed as a separate line item (cell K29) and excluded from the individual capital expenditure categories.

Schedule 8

TLC has reviewed the manner in which non-standard consumers are reported in Schedule 8. Non-standard consumer totals have been reported on the basis of the number of customers previously, but has been updated to the number of ICPs for this disclosure year. This update affects Schedule 1, Revenue Metrics, Non-standard consumer line charge revenue, resulting in a higher denominator for these metrics.

Schedule 9a – 9c

Some variance in asset counts and lengths is due to data changes, predominately as a result of line inspections.

Default dates - To allow for data inaccuracies, assets with default dates are estimated at 75% of assets with installation dates prior to 2004 (43% of assets). Zone substation buildings and transformers do not have default dates.

OH/UG consumer service connections - Due to data limitations and for consistency with prior year reporting, figures for OH/UG consumer service connections is limited to pillar box installations.

Schedule 10

TLC uses the BASIX computer programme which has a connectivity model for outage and performance recording and reporting. This includes SAIDI and SAIFI reports. The module connects various assets together and then runs a calculation that produces the regulatory performance indicators. Customer numbers are transferred automatically from the billing system on a regular basis. The use of BASIX outage calculator has allowed TLC to collect more accurate outage data. The company is reliant on third parties to notify it of outages and control over ICP data is also limited.

Normalised SAIFI and SAIDI

The figures shown in Row 37 "Classes B & C (interruptions on the network)" are calculated using Information Disclosure Determination which do not distinguish treatment of planned verses unplanned outages and use boundary values based on 2004-2009 outage data. As such, they do not align to the figures disclosed for the Default Price Quality Path (DPP) audit.

Quality path normalised reliability limit

The figures shown in "SAIFI and SAIDI limits applicable to the disclosure year" are a specified by the Commerce Commission Electricity Distribution Services Default Price- Quality Path Determination 2015 (NZCC 33)

Quality path normalised reliability limit

The figures shown in "SAIFI and SAIDI limits applicable to the disclosure year" are a specified by the Commerce Commission Electricity Distribution Services Default Price Quality Path Determination 2015 (NZCC 33)

2019 DPP Audit disclosed SAIFI and SAIDI figures – applying 50% factor to planned actuals

and normalising unplanned actuals - are shown below:

SAIFI Assessed	4.41		SAIDI Assessed	285.55	
SAIFI Limit	3.47	SAIDI Limit	234.18		

Commerce Commission - Issuance of exemption related to Schedule 10 - Network reliability disclosures & Note on director certification requirements

An industry-wide issue has also been identified concerning SAIFI which has an impact on Schedule 10 of Information Disclosure 2018/19. The Commission has issued an exemption for audited and certified SAIFI data.

Description of issue

Where an interruption to supply is followed by restoration, and then by a "successive interruption", some distributors have only been calculating the relevant SAIFI values based on a single outage, not based on multiple outages. The Commission states that this treatment is inconsistent with the definition of "interruption" in the Default Price Path and Schedule 1.4 of Electricity Distribution Information Disclosure Determination 2012, and may have led to SAIFI and SAIDI being underreported by some distributors. It also has the impact of the Quality limits being different, because TLC's limits were determined using the methodology for outage recording we currently have in place.

Audit of reliability data

The Commission has been notified by the Office of the Auditor General (OAG) that auditors may not be able to provide assurance regarding SAIFI information at this time due to the ambiguity identified. The Commission is working with the OAG to determine how assurance can be provided moving forward.

Reliability data in Schedule 10

TLC has prepared the information on a basis consistent undertaken in preparing the disclosure for the 2018 disclosure year.

How TLC calculates SAIFI in the context of successive interruptions

TLC has recorded and disclosed SAIFI on the basis of a single outage event involving multiple successive interruptions as a single interruption. For example, if an outage event occurred and consumers were interrupted multiple times in that event to assist us in identifying the outage cause, we have interpreted this as a single outage for that event for the purposes of recording and disclosure of SAIFI data.

6

ASSURANCE REPORTS

Page

PwC Independent Auditor's Report 68

Independent Auditor's Report

To the Directors of The Lines Company Limited and the Commerce Commission

Assurance Report Pursuant to Electricity Distribution Information Disclosure Determination 2012

The Auditor-General is the auditor of The Lines Company Limited (the Company). The Auditor-General has appointed me, Matthew White using the staff and resources of PricewaterhouseCoopers, to provide an opinion, on his behalf, on:

- whether the information required to be disclosed in accordance with the Electricity Distribution Information Disclosure Determination 2012 ('the Information Disclosure Determination') for the disclosure year ended 31 March 2019, has been prepared, in all material respects, in accordance with the Information Disclosure Determination.
- The disclosure information required to be reported by the Company, and audited by the Auditor-General, under the Information Disclosure Determination is in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the disclosure that shows the connection between the Electricity Distribution Business (EDB) and the related parties with which it has had related party transactions in the disclosure year, the disclosure of the EDB's related party procurement policy, the disclosures about related party transactions required under clause 2.3.12 of the Information Disclosure Determination, and the explanatory notes in boxes 1 to 11 in Schedule 14 ('the Disclosure Information').
- whether the Company's basis for valuation of related party transactions ('the Related Party Transaction Information') for the disclosure year ended 31 March 2019, has been prepared, in all material respects, in accordance with clause 2.3.6 of the Information Disclosure Determination, and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012 ('the Input Methodologies Determination').

Opinion

In our opinion:

- as far as appears from an examination of them, 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 and has been sourced, where appropriate, from the Company's financial and non-financial systems;
- the Disclosure Information complies, in all material respects, with the Information Disclosure Determination; and
- the Related Party Transaction Information complies, in all material respects, with the Information Disclosure Determination and the Input Methodologies Determination.

In forming our opinion, we have obtained sufficient recorded evidence and all the information and explanations we have required.

Basis for opinion

We conducted our engagement in accordance with International Standard on Assurance Engagements (New Zealand) 3000 (Revised): *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* and the Standard on Assurance Engagements 3100 (Revised): *Compliance Engagements* issued by the New Zealand Auditing and Assurance Standards Board. Copies of these standards are available on the External Reporting Board's website.

These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, with the Information Disclosure Determination, and about whether the Related Party Transaction Information has been prepared, in all material respects, with the Information Disclosure Determination and the Input Methodologies Determination. Reasonable assurance is a high level of assurance.

We have performed procedures to obtain evidence about the amounts and disclosures in the Disclosure Information, and the basis of valuation in the Related Party Transaction Information. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the Disclosure Information and the Related Party Transaction Information, whether due to fraud, error or non-compliance with the Information Disclosure Determination or the Input Methodologies Determination. In making those risk assessments, we considered internal control relevant to the Company's preparation of the Disclosure Information and the Related Party Transaction Information in order to design procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.

Scope and inherent limitations

Because of the inherent limitations of a reasonable assurance engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Disclosure Information or the Related Party Transaction Information, nor do we guarantee complete accuracy of the Disclosure Information or the Related Party Transaction Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information or the Related Party Transaction Information.

The opinion expressed in this independent assurance report has been formed on the above basis.

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
Regulatory Asset Base The Regulatory Asset Base (RAB), as set out in Schedule 4, reflects the value of the Company's electricity distribution assets. These are valued using an indexed historic cost methodology prescribed by the Input Methodologies Determination. It is a measure which is used widely and is key to measuring the Company's return on investment and therefore important when monitoring financial performance or setting electricity distribution prices. The RAB inputs, as set out in the Input Methodologies, are similar to those used in the measurement of fixed assets in the financial statements, however, there are a number of different requirements and complexities which require careful consideration. Due to the importance of the RAB within the regulatory regime, the incentives to overstate the RAB value, and complexities within the regulations, we have considered it to be a key area of focus.	We have obtained an understanding of the compliance requirements relevant to the RAB as set out in the Information Disclosure Determination (ID Determination) and the Input Methodologies (IMs). We have performed the following procedures: *Assets commissioned* • We reconciled the assets commissioned, as per the regulatory fixed asset register, to the asset additions disclosed in the audited annual financial statements and investigated any reconciling items; • We inspected the assets commissioned during the period, as per the regulatory fixed asset register, to identify any specific cost or asset type exclusions, as set out in the ID Determination, which are required to be removed from the RAB; • We tested a sample of assets commissioned during the disclosure period for appropriate asset category classification; *Depreciation* • We compared the standard asset lives by asset category to those set out in the IMs; • For assets with no standard asset lives we assessed the reasonableness of the lives used by reference to the accounting depreciation rates; • We tested the mathematical accuracy of the depreciation calculation on a sample basis; *Revaluation* • We recalculated the revaluation rate set out in the Input Methodologies using the relevant Consumer Price Index indices taken from the Statistics New Zealand website; • We tested the mathematical accuracy of the revaluation calculation performed by management; and *Disposals* • We inspected the asset disposals within the accounting fixed asset register to ensure disposals in the RAB meet the definition of a disposal per the IMs. We have no matters to report from undertaking those procedures.

Key assurance matter	How our procedures addressed the key assurance matter
Cost and Asset Allocation The ID Determination relates to information concerning the supply of electricity distribution services. In addition to the regulated supply of electricity, The Lines Company Limited also supplies customers with other unregulated services such as contracting, metering and generation services. As set out in schedules 5d, 5e, 5f and 5g, costs and asset values that relate to electricity distribution services regulated under the ID determination should comprise: • all of the costs directly attributable to the regulated goods or services; and • an allocated portion of the costs that are not directly attributable. The IMs set out rules and processes for allocating costs and assets which are not directly attributable to either regulated or unregulated services. A number of screening tests apply which must be considered when deciding on the appropriate allocation method. The Company has applied the Accounting-Based Allocation Approach Methodology (ABAA) utilising proxy cost and asset allocators to allocate the asset values and operating costs that are not directly attributable where causal relationships could not be identified. Given the judgement involved in the application of the cost and asset allocation methodologies we consider it a key assurance matter.	We obtained an understanding of the Company's cost and asset allocation processes and the methodologies applied. Our procedures over cost and asset allocation included: • Reconciling the regulated and unregulated financial information to the audited financial information; *Classification as directly/not directly attributable* • Considering the appropriateness of the costs allocated as directly attributable, based on the nature and our understanding of the business to determine the reasonableness of the directly attributable classification; • Testing a sample of transactions to ensure their classification as either directly attributable or not directly attributable costs are appropriate and in line with the ID determination; • Inspecting the fixed asset register to identify any asset classes which based on their nature and our understanding of the business could be considered assets directly attributable to a specific business unit; • Testing a sample of assets commissioned to work orders to ensure their classification as either directly attributable or not directly attributable are appropriate and in line with the ID determination; *Appropriateness of the allocators used for not directly attributable costs and assets* • Understanding why causal relationships could not be identified in allocating costs or assets and ensuring appropriate disclosure has been included outlining these in Schedule 14; • Considering the appropriateness of the cost and asset proxy allocators used in applying the ABAA to not directly attributable costs including supporting documentation and recalculating proxy allocators; and • Recalculating the split between not directly attributable costs and asset values allocated to electricity distribution services and non-electricity distribution services. We have no matters to report from undertaking those procedures.

Related party transactions

Disclosures over related party transactions including related party relationships, procurement policies/processes, application of these policies/processes and examples of market testing of transaction terms as required under the ID Determination and the IMs are set out in Appendix A.

The ID Determination and the IM Determination require the Company to value its transactions with related parties, disclosed in Schedule 5b, in accordance with the principles-based approach to the arm's length valuation rule. This rule states that the value of goods or services acquired from a related party cannot be greater than if it had been acquired under the terms of an arm's length transaction with an unrelated party, nor may it exceed the actual cost to the related party. A sale or supply to a related party cannot be valued at an amount less than if it had been sold or supplied under the terms of an arm's-length transaction with an unrelated party.

Arm's-length valuation, as defined in the IM, is the value at which a transaction, with the same terms and conditions, would be entered into between a willing seller and a willing buyer who are unrelated and who are acting independently of each other and pursuing their own best interests.

The Company is required to use an objective and independent measure to demonstrate compliance with the arm's-length principle. In the absence of an active market for similar transactions, assigning an objective arm's length value to a related party transaction is difficult and requires significant judgement.

We have identified related party transactions at arm's-length as a key audit matter due to the judgement involved.

We have obtained an understanding of the compliance requirements relevant to related party transactions as set out in the ID Determination and the IMs. We have ensured Schedule 5(b) and Appendix A includes all required disclosures including current procurement policies, descriptions of how they are applied in practice, representative example transactions and when and how market testing was last performed.

We have performed the following procedures over Schedule 5(b) and Appendix A.

Completeness and accuracy of related party relationships and transactions

We have tested the completeness and accuracy of the related party relationships and transactions by:

- Agreeing the disclosures within Schedule 5(b) to the audited financial statements for the year ended 31 March 2019 and to the accounting records, investigating any differences and determining whether any such differences are justified; and
- Applying our understanding of the business structure against the related party definition in IM clause 1.1.4(2)(b) to assess management's identification of any "unregulated parts" of the entity.

Practical application of procurement policies

- Testing a sample of operating expenditure and capital expenditure transactions disclosed in Schedule 5(b) by inspecting supporting documentation to determine compliance with the disclosed procurement policy and practices.

Arm's length valuation rule

We obtained the Company's assessment of the available independent and objective measures used in supporting the arm's length valuation principle and performed the following procedures:

- Re-performed the calculations and agreed key inputs and assumptions to supporting documentation for a sample of transactions; and
- Where benchmarking or other market information was used as independent and objective measures, we assessed whether the related party transaction values fell within an acceptable range of 15% when compared to the benchmarking or other market information. Qualitative factors were considered in determining the acceptable range.

We have no matters to report from undertaking those procedures.

Directors' responsibility for the preparation of the Disclosure Information and valuation of related party transactions

The Directors of the Company are responsible for:

- the preparation of the Disclosure Information in accordance with the Information Disclosure Determination, and
- the Related Party Transaction Information in accordance with the Information Disclosure Determination and the Input Methodologies Determination

and for such internal control as the directors determine is necessary to enable the preparation of the Disclosure Information and the Related Party Transaction Information that are free from material misstatement.

Our responsibility for the audit of the Disclosure Information and valuation of related party transactions

Our responsibility is to express an opinion that provides reasonable assurance on whether:

- the Disclosure Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination; and
- the Related Party Transaction Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination and the Input Methodologies Determination.

Independence and quality control

When carrying out the engagement, we complied with:

- the Auditor-General's independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 (Revised) issued by the New Zealand Auditing and Assurance Standards Board;
- the independence requirements specified in the Information Disclosure Determination; and
- the Auditor-General's quality control requirements, which incorporate the quality control requirements of Professional and Ethical Standard 3 (Amended) issued by the New Zealand Auditing and Assurance Standards Board.

The Auditor-General, and his employees, and PricewaterhouseCoopers and its partners and employees may deal with the Company on normal terms within the ordinary course of trading activities of the Company. Other than any dealings on normal terms within the ordinary course of business, this engagement, Default Price Quality Path compliance engagement, regulatory advice and the annual audit of the Company's financial statements, we have no relationship with or interests in the Company.

Use of this report

This independent assurance report has been prepared solely for the directors of the Company and for the Commerce Commission for the purpose of providing those parties with reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination and whether the Related Party Transaction Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination and the Input Methodologies Determination.

We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the Company or the Commerce Commission, or for any other purpose than that for which it was prepared.

Matthew White
PricewaterhouseCoopers
On behalf of the Auditor-General
Hamilton, New Zealand
2 September 2019

7

CERTIFICATES

Page

Certification for Year-end Disclosures 76

Schedule 18 Certification for Year-end Disclosures

Clause 2.9.2

We, Mark Darrow and Roger Sutton, being directors of The Lines Company Limited certify that, having made all reasonable enquiry, to the best of our knowledge-

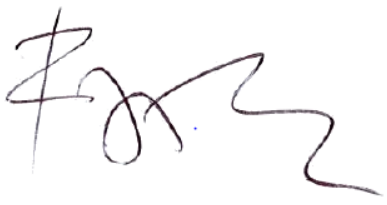
a) the information prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, and 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and

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 The Lines Company Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained [and if not, what records and systems were used].

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.



Mark Darrow
Chairman

Roger Sutton
Director

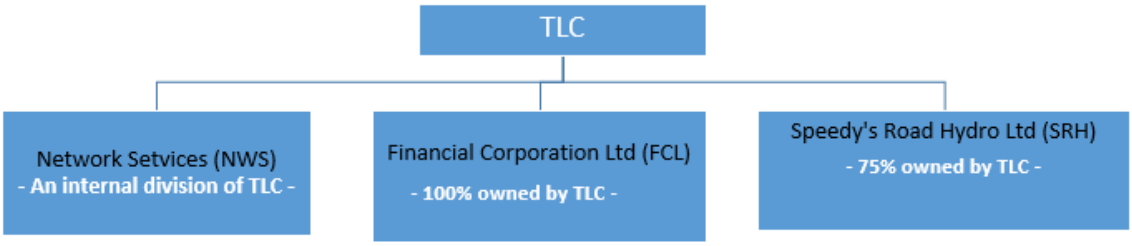
30 August 2019

Company Name	The Lines Company
For Year Ended	31 March 2019

APPENDIX A – AUDITED SCHEDULES

Clause 2.3.8 (1) – (3)

Related party structure



Network Services

TLC operates a division "Network Services" (NWS) which provides both internal and external electrical lines contracting services. This division performs the majority of work on the TLC's distribution infrastructure lines maintenance and capital programmes. TLC has an internal contracting arm due to the remoteness of the area that it operates in. There are no major cities or urban areas in the region and the area is vast. Keeping a crew in the King Country has proven useful in terms of reducing actual cost and reducing potential outages.

TLC is charged by NWS on a fully costed basis for labour, materials usage, plant/equipment usage and project management costs. External services organised by Network Services are on-charged at cost, including materials.

The following transactions occurred between The Lines Company Limited and Network Services for the FY2019 year

1. Capital Project work - $11.9 M
2. Maintenance work - $1.3M

Financial Corporation Ltd (FCL)

Financial Corporation Limited is a 100% owned subsidiary specialising in the supply of metering equipment, data and associated services to retailers, developers and lines companies throughout New Zealand. FCL is responsible for supplying all meters on our network.

During the year the pricing methodology of TLC changed. This was effective 1 October 2018. This has resulted in some additional inter-company transactions being disclosed from October 2018. The following transactions occurred between The Lines Company Limited and Financial Corporation Ltd.

1. Meter Leasing post Oct 2018- $810K
2. Installation of meters with in the TLC network - $23K

Speedy's Road Hydro Ltd (SRH)

TLC owns 75% stake in Speedy's Road Hydro. SRH generates electricity from a hydro scheme on the North Island. This Hydro scheme is on the King Country Network.

The following transactions occurred between The Lines Company Limited and Speedy's Road Hydro Limited:

1. Lines charges paid to TLC - $3K
2. ACOT charges paid by TLC - $152K

Clause 2.3.10 and Clause 2.3.12(1)

Procurement process

Related party transactions are assessed and utilised during the year and follow normal approval processes. The approval processes apply both internally and externally.

The main principals applied are:

1. Consider safety impacts for staff and public when making procurement decisions:
2. Maximise shareholder value across the lifecycle of the goods/services/works being purchased;
3. Consider price and non-price attributes when making purchasing decisions
4. Assess procurement options in an open, transparent and systematic manner
5. Support businesses based within company's geographic area where possible
6. Consider total value for money impacts and balance cost/quality/timing attributes

The majority of TLC's related party transactions come from the use of Network Services.

This is a contracting arm and performs the maintenance and capex work on the Network. Due to the remoteness of the King Country area, utilising external subcontractors has proven to be a costly exercise especially when it comes to the maintenance side of the business. It is also noted that due to health and safety reasons, linemen are required to have certain qualifications before working on the assets of the company. This proves to be a challenge and limits the contractors we can use. One of the key challenges we have in the area is keeping the power on in a safe way.

On our larger projects, external subcontractors become more competitive with the internal prices as the projects are for a longer time and as such they can offer a better price.

In the current financial year, TLC wanted to improve the reliability of the network which meant that they needed to perform a larger than normal amount of Capex work. NWS performed $11.9 million of the total $22.7 million spent in the year. External subcontractors were requested to provide prices on some of the larger projects and where considered appropriate external contractors were used.

Clause 2.3.12(1)

Name of related party	Nature of opex or capex services provided	Total value of transactions ($'000)	Procurement controls	Benchmarking process
Other regulated income				
SRH	Lines charges paid by SRH to TLC	3	Invoices signed off by Hydro manager	Charges as per that of other consumers.
		3		

Name of related party	Nature of opex or capex services provided	Total value of transactions ($'000)	Procurement controls	Benchmarking process
Business support expenses				
FCL	Meter lease charges have been included from 1 October 2018 with the change in pricing methodology	811	Invoices signed off by TLC management	Benchmarking process performed in detail with price changeover on 1October 2018. Rates before that were lower than external rates due to previous pricing policy. Due this being a separate entity this process was rectified at 1 October so at arms-length and same with other retailer prices.
FCL	Meter installations	23	Invoices signed off by TLC management	
NWS	Connections	33	Invoices signed off by network business before processing	Benchmarking as per NWS opex
		867		
Other related party transactions				
SRH	ACOT	153	Invoices signed off by TLC management	ACOT invoices are received from external suppliers. We check the ACOT calculation charged by SRH to that of the external supplier.

Name of related party	Nature of opex or capex services provided	Total value of transactions ($000)	Procurement controls	Benchmarking process
Network Opex				
NWS	Service interruptions and emergencies	703	Invoices signed off by network business before processing	Rates for linesman and electricians have been compared to external contractors, analysis was performed in Dec 2018 and in March 2019. Rates are below that of contractors that work on the network. In addition external rate to customer is higher than internal rate. (Assessed at beginning of financial year) and external customers are prepared to pay for this. Our external work comprises of 13% of total work done by NWS.
	Vegetation management	14		
	Routine and corrective maintenance and inspection	433		
	Asset replacement and renewal (opex)	181		
		1,331		

Name of related party	Nature of opex or capex services provided	Total value of transactions ($000)	Procurement controls	Benchmarking process
Expenditure on assets				
NWS	Consumer connection	839	Invoices signed off by network business before processing. Network managers are different to those of Network Services.	Rates for linesman and electricians have been compared to external contractors, analysis was performed in Dec 2018 and in March 2019. Rates are below that of contractors that work on the network. In addition external rate to customer is higher than internal rate. (assessed at beginning of financial year)
	System growth	963		
	Asset replacement and renewal	7,842		
	Asset relocations	2		
	Quality of supply	942		
	Other reliability, safety and environment	1,328		
		11,917		

Clause 2.3.12(2)

Requirements for consumer purchases

Our customers have to use NWS when needing work done in relation to the lines. They can use anyone for connections inside the house. The process followed regarding external work, is a quote is given to the customer with standard terms and conditions, if they are happy, the quote is signed and work will commence.

Vegetation management is not required to be done by TLC. TLC will become involved if vegetation has not been managed by external customer and requests have been ignored.

Clause 2.3.12 (4)

Benchmark testing

NWS

Our internal rates are compared periodically to that of external subcontractors. Our rates are lower than them (as expected) due to the fact that our teams are based on network and the subcontractors are based off network. Rates were benchmarked in March 2019.

We have also assessed the efficiencies of the teams on larger line renewal projects and NWS comes in below market. The testing involved here was selecting two similar sized projects with similar type of work. We had an external subcontractor on one and our own internal team on another. Both jobs had similar driving distances from the individual team's base. When comparing the labour and plant costs for each job, the internal jobs was less.

FCL

Pricing of meters to TLC has been compared to that which is charged to an external retailer. FCL's revenue is derived from 50% from TLC and 50% from external retailers. Rates charged by FCL are the same as that charged to retailers, this exercise was performed in October 2018.

SRH

Avoided cost of transmission was compared to other external providers that charge us ACOT, this cost is established yearly and comparison was done at the beginning of the financial year.

Conclusion

All related party transactions are concluded at arm's length prices.

Clauses 2.3.12 (3) and 2.3.12 (5)

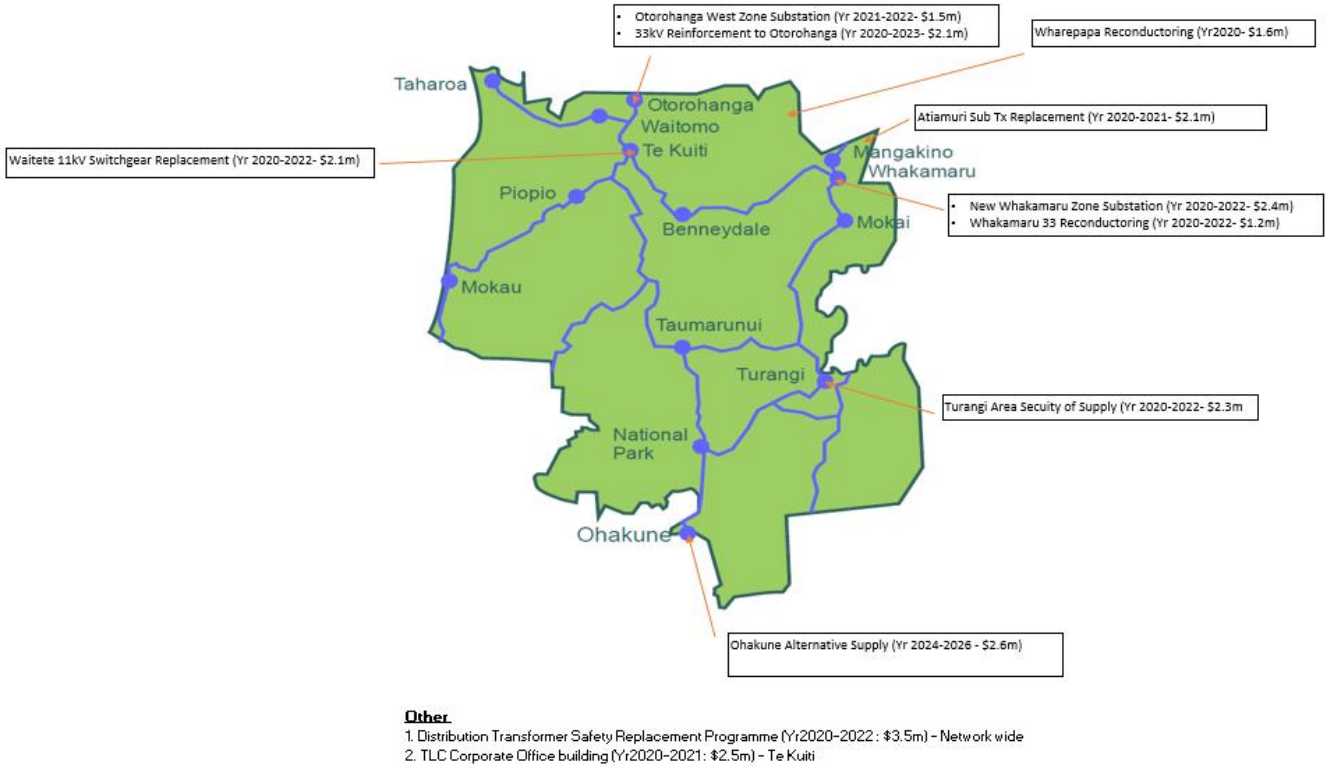
Procurement examples

Description	Process followed
Fault services	Fault call received. Call description received no power to site in Powell Road. Crew dispatched to site to assess issue. Patrolled site, established insulator broken and cross arm broken. Date 14 June 2018. Job code created. Work authorised to be complete. Work performed. Invoice prepared by NWS detailing material and labour. Sent to NW. NW signed off invoice in August 2018
Maintenance work	Scheduled bi-monthly substation maintenance Work pack was prepared with detailed task list. Work issued to NWS. NWS created a job code. NWS performed work. Completed invoice sent to NW for sign off by manager.
Capex work	Otorohanga line renewal. Work assessed, work split between external and internal resources. Work packs sent to all parties. All costs internal or external accumulated by NWS. NWS prepares final invoices listing all labour/vehicles/material and external contractors. Invoice is signed off by CEO due to value of invoice. Assets capitalised when commissioned.
FCL meter invoice	FCL generates data. Detailed spreadsheet with ICP and days billed for is sent to TLC together with invoice. Detail is checked and signed off by GM of Networks. Checks include number of days in a month, rates are as agreed and ICP's are in region. February 2019 invoice was used for this process.

APPENDIX B – UNAUDTIED SCHEDULES

Clause 2.3.13 -2.3.16

Map of anticipated expenditure and network constraints



Our current operating projects form part of routine maintenance and it is spread across the Network. TLC cannot forecast where fault expenditure will occur but are addressing weaknesses in the Network via the capex work. Due to the volume of capex work there will be a split of work between internal and external subcontractors, we estimate that we will outsource approximately 20% of the work. Opex will remain largely internal due to the unpredictability of the work.