



Information Disclosure

For the Year End 31 March 2023

Electricity Distribution Information Disclosure Determination 2012
Consolidated determination as of 18 May 2023
Schedules 1–10
excluding 5f–5g

Company Name

[The Lines Company Limited](#)

Disclosure Date

[31 August 2023](#)

Disclosure Year (year ended)

[31 March 2023](#)

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SCHEDULE 1: ANALYTICAL RATIOS

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

This information is part of audited disclosure information (as defined in section 1.4 of this 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)
Operational expenditure	43,613	664	212,749	3,600	61,292
Network	17,225	262	84,027	1,422	24,208
Non-network	26,387	401	128,721	2,178	37,084
Expenditure on assets	38,463	585	187,628	3,175	54,054
Network	36,889	561	179,949	3,045	51,842
Non-network	1,574	24	7,679	130	2,212

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	115,757	1,761
Standard consumer line charge revenue	138,642	1,500
Non-standard consumer line charge revenue	59,862	122,189

1(iii): Service intensity measures

Demand density	17	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	83	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	5	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	15,214	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	15,935	37.64%
Pass-through and recoverable costs excluding financial incentives and wash-ups	6,874	16.24%
Total depreciation	11,155	26.35%
Total revaluations	16,669	39.37%
Regulatory tax allowance	2,879	6.80%
Regulatory profit/(loss) including financial incentives and wash-ups	22,166	52.35%
Total regulatory income	42,340	

1(v): Reliability

Interruption rate	35.95	Interruptions per 100 circuit km
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Company Name

The Lines Company Limited

For Year Ended

31 March 2023

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 this 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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2(i): Return on Investment**ROI – comparable to a post tax WACC**

Reflecting all revenue earned
Excluding revenue earned from financial incentives
Excluding revenue earned from financial incentives and wash-ups

CY-2 CY-1 Current Year CY

%

3.61%	9.34%	9.15%
3.47%	10.07%	9.71%
3.47%	10.14%	9.78%

Mid-point estimate of post tax WACC

25th percentile estimate
75th percentile estimate

3.72%	3.52%	4.88%
3.04%	2.84%	4.20%
4.40%	4.20%	5.56%

ROI – comparable to a vanilla WACC

Reflecting all revenue earned
Excluding revenue earned from financial incentives
Excluding revenue earned from financial incentives and wash-ups

3.94%	9.64%	9.67%
3.80%	10.37%	10.23%
3.80%	10.44%	10.29%

WACC rate used to set regulatory price path

4.57%	4.57%	4.57%
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Mid-point estimate of vanilla WACC

25th percentile estimate
75th percentile estimate

4.05%	3.82%	5.39%
3.37%	3.14%	4.71%
4.73%	4.50%	6.07%

2(ii): Information Supporting the ROI

(\$000)

Total opening RAB value
plus Opening deferred tax

250,864	
(20,596)	
	230,268

Opening RIV**Line charge revenue**

42,295

Expenses cash outflow
add Assets commissioned
less Asset disposals
add Tax payments
less Other regulated income

22,810	
6,934	
126	
2,548	
44	

Mid-year net cash outflows

32,122

Term credit spread differential allowance

–

Total closing RAB value
less Adjustment resulting from asset allocation
less Lost and found assets adjustment
plus Closing deferred tax

263,264	
(94)	
171	
(20,927)	

Closing RIV

242,260

ROI – comparable to a vanilla WACC

9.67%

Leverage (%)
Cost of debt assumption (%)
Corporate tax rate (%)

42%
4.38%
28%

ROI – comparable to a post tax WACC

9.15%

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The Lines Company Limited

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31 March 2023

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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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

10.30%

Year-end ROI – comparable to a post tax WACC

9.79%

* 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	(1,587)
Purchased assets – avoided transmission charge	–
Energy efficiency and demand incentive allowance	–
Quality incentive adjustment	(125)
Other financial incentives	–
Financial incentives	(1,712)
Impact of financial incentives on ROI	–0.56%
Input methodology claw-back	–
CPP application recoverable costs	–
Catastrophic event allowance	–
Capex wash-up adjustment	(205)
Transmission asset wash-up adjustment	–
2013–15 NPV wash-up allowance	–
Reconsideration event allowance	–
Other wash-ups	–
Wash-up costs	(205)
Impact of wash-up costs on ROI	–0.07%

Company Name

The Lines Company Limited

For Year Ended

31 March 2023

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 this ID determination), and so is subject to the assurance report required by section 2.8.

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7	3(i): Regulatory Profit		(\$000)
8	Income		
9	Line charge revenue	42,295	
10	plus Gains / (losses) on asset disposals	44	
11	plus Other regulated income (other than gains / (losses) on asset disposals)	—	
12			
13	Total regulatory income	42,340	
14	Expenses		
15	less Operational expenditure	15,935	
16			
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	6,874	
18			
19	Operating surplus / (deficit)	19,530	
20			
21	less Total depreciation	11,155	
22			
23	plus Total revaluations	16,669	
24			
25	Regulatory profit / (loss) before tax	25,044	
26			
27	less Term credit spread differential allowance	—	
28			
29	less Regulatory tax allowance	2,879	
30			
31	Regulatory profit/(loss) including financial incentives and wash-ups	22,166	
32			
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups		(\$000)
34	Pass through costs		
35	Rates	311	
36	Commerce Act levies	135	
37	Industry levies	85	
38	CPP specified pass through costs	—	
39	Recoverable costs excluding financial incentives and wash-ups		
40	Electricity lines service charge payable to Transpower	5,252	
41	Transpower new investment contract charges	—	
42	System operator services	—	
43	Distributed generation allowance	1,075	
44	Extended reserves allowance	—	
45	Other recoverable costs excluding financial incentives and wash-ups	16	
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	6,874	
47			

Company Name

The Lines Company Limited

For Year Ended

31 March 2023

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

CY

31 Mar 23

Allowed controllable opex

Actual controllable opex

Incremental change in year

CY-5 [year]

CY-4 [year]

CY-3 [year]

CY-2 [year]

CY-1 [year]

Net incremental rolling incentive scheme

Net recoverable costs allowed under incremental rolling incentive scheme

Previous years'
incremental
changePrevious years'
incremental
change adjusted
for inflation**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 2023

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 this 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)		RAB	RAB	RAB	RAB	RAB
		CY-4	CY-3	CY-2	CY-1	CY
		(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
7						
8						
9						
10	Total opening RAB value	188,819	203,757	210,964	225,659	250,864
11						
12	less Total depreciation	8,412	9,257	9,421	9,960	11,155
13						
14	plus Total revaluations	2,794	5,149	3,201	15,618	16,669
15						
16	plus Assets commissioned	20,903	11,012	20,970	19,711	6,934
17						
18	less Asset disposals	347	408	164	103	126
19						
20	plus Lost and found assets adjustment	–	–	109	93	171
21						
22	plus Adjustment resulting from asset allocation	0	711		(153)	(94)
23						
24	Total closing RAB value	203,757	210,964	225,659	250,864	263,264
25						
26						
27	4(ii): Unallocated Regulatory Asset Base					
28						
29						
30	Total opening RAB value		Unallocated RAB *		RAB	
31	less		(\$000)	(\$000)	(\$000)	(\$000)
32	Total depreciation			251,440		250,864
33	plus			11,416		11,155
34	Total revaluations			16,706		16,669
35	plus					
36	Assets commissioned (other than below)					
37	Assets acquired from a regulated supplier					
38	Assets acquired from a related party					
39	Assets commissioned			7,239		6,934
40	less					
41	Asset disposals (other than below)					
42	Asset disposals to a regulated supplier					
43	Asset disposals to a related party					
44	Asset disposals			126		126
45	plus Lost and found assets adjustment					
46	plus Adjustment resulting from asset allocation					
47						
48						
49	Total closing RAB value			264,014		263,264
50						

* 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.

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

4(v): Regulatory Depreciation

Depreciation - standard
 Depreciation - no standard life assets
 Depreciation - modified life assets
 Depreciation - alternative depreciation in accordance with CPP
Total depreciation

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
9,779		9,779	
1,636		1,375	
	11,416		11,155

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

* 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
Total opening RAB value	20,531	831	37,966	95,533	24,569	35,743	23,081	9,435	3,175	250,864
less Total depreciation	909	19	1,310	3,296	1,293	1,574	874	504	1,375	11,155
plus Total revaluations	1,362	55	2,530	6,354	1,634	2,372	1,536	628	198	16,669
plus Assets commissioned	90	—	36	4,216	254	1,162	385	389	401	6,934
less Asset disposals	—	—	—	—	—	120	—	—	6	126
plus Lost and found assets adjustment	—	—	98	7	—	—	66	—	—	171
plus Adjustment resulting from asset allocation	—	—	—	—	—	—	—	—	(94)	(94)
plus Asset category transfers	41	—	(40)	(1)	—	40	(40)	(1)	—	(1)
Total closing RAB value	21,115	867	39,280	102,812	25,164	37,624	24,154	9,947	2,300	263,264
Asset Life										
Weighted average remaining asset life	31.7	41.5	28.8	36.5	34.9	27.9	29.8	15.5	8.7	(years)
Weighted average expected total asset life	53.9	55.1	44.2	56.4	52.8	45.0	41.6	22.5	7.2	(years)

Company Name

The Lines Company Limited

For Year Ended

31 March 2023

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 this ID determination), and so is subject to the assurance report required by section

sch ref

5a(i): Regulatory Tax Allowance

(\$000)

Regulatory profit / (loss) before tax

25,044

<i>plus</i>	Income not included in regulatory profit / (loss) before tax but taxable		*
	Expenditure or loss in regulatory profit / (loss) before tax but not deductible		*
	Amortisation of initial differences in asset values	4,086	
	Amortisation of revaluations	1,966	
			6,051
<i>less</i>	Total revaluations	16,669	
	Income included in regulatory profit / (loss) before tax but not taxable		*
	Discretionary discounts and customer rebates		
	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*
	Notional deductible interest	4,146	
			20,815

Regulatory taxable income

10,281

<i>less</i>	Utilised tax losses	
	Regulatory net taxable income	10,281

Corporate tax rate (%)

28%

Regulatory tax allowance

2,879

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).

5a(iii): Amortisation of Initial Difference in Asset Values

(\$000)

	Opening unamortised initial differences in asset values	71,706	
<i>less</i>	Amortisation of initial differences in asset values	4,086	
<i>plus</i>	Adjustment for unamortised initial differences in assets acquired		
<i>less</i>	Adjustment for unamortised initial differences in assets disposed		
	Closing unamortised initial differences in asset values		67,620
	Opening weighted average remaining useful life of relevant assets (years)		18

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 this ID determination), and so is subject to the assurance report required by section

sch ref

5a(iv): Amortisation of Revaluations		(\$000)
Opening sum of RAB values without revaluations	187,967	
Adjusted depreciation	9,189	
Total depreciation	11,155	
Amortisation of revaluations		1,966
5a(v): Reconciliation of Tax Losses		(\$000)
Opening tax losses		
plus Current period tax losses		
less Utilised tax losses		
Closing tax losses		-
5a(vi): Calculation of Deferred Tax Balance		(\$000)
Opening deferred tax	(20,596)	
plus Tax effect of adjusted depreciation	2,573	
less Tax effect of tax depreciation	1,833	
plus Tax effect of other temporary differences*	51	
less Tax effect of amortisation of initial differences in asset values	1,144	
plus Deferred tax balance relating to assets acquired in the disclosure year		
less Deferred tax balance relating to assets disposed in the disclosure year	(23)	
plus Deferred tax cost allocation adjustment	(0)	
Closing deferred tax		(20,927)
5a(vii): Disclosure of Temporary Differences		
<i>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).</i>		
5a(viii): Regulatory Tax Asset Base Roll-Forward		(\$000)
Opening sum of regulatory tax asset values	68,867	
less Tax depreciation	6,547	
plus Regulatory tax asset value of assets commissioned	6,792	
less Regulatory tax asset value of asset disposals	44	
plus Lost and found assets adjustment	171	
plus Adjustment resulting from asset allocation	(94)	
plus Other adjustments to the RAB tax value		
Closing sum of regulatory tax asset values		69,145

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 this ID determination.

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

sch ref

	(\$000)	(\$000)
5b(i): Summary—Related Party Transactions		
Total regulatory income		
Market value of asset disposals		
Service interruptions and emergencies	—	
Vegetation management	—	
Routine and corrective maintenance and inspection	—	
Asset replacement and renewal (opex)	—	
Network opex		—
Business support	900	
System operations and network support	—	
Operational expenditure		900
Consumer connection	—	
System growth	—	
Asset replacement and renewal (capex)	—	
Asset relocations	—	
Quality of supply	—	
Legislative and regulatory	—	
Other reliability, safety and environment	—	
Expenditure on non-network assets		—
Expenditure on assets		—
Cost of financing		
Value of capital contributions		
Value of vested assets		
Capital Expenditure		—
Total expenditure		900
Other related party transactions		

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

[illegible]

* include additional rows if needed

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7
8
9

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

10
11
12
13
14
15

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
* include additional rows if needed						–	–	–

16

17

18

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

19

20

Gross term credit spread differential

–

21

22

Total book value of interest bearing debt

23

Leverage

42%

24

Average opening and closing RAB values

25

Attribution Rate (%)

–

26

27

Term credit spread differential allowance

–

Company Name

The Lines Company Limited

For Year Ended

31 March 2023

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

5d(i): Operating Cost Allocations**Service interruptions and emergencies**

Directly attributable

Not directly attributable

Total attributable to regulated service**Vegetation management**

Directly attributable

Not directly attributable

Total attributable to regulated service**Routine and corrective maintenance and inspection**

Directly attributable

Not directly attributable

Total attributable to regulated service**Asset replacement and renewal**

Directly attributable

Not directly attributable

Total attributable to regulated service**System operations and network support**

Directly attributable

Not directly attributable

Total attributable to regulated service**Business support**

Directly attributable

Not directly attributable

Total attributable to regulated service**Operating costs directly attributable****Operating costs not directly attributable****Operational expenditure**

Arm's length deduction	Value allocated (\$000s)		Total	OVABAA allocation increase (\$000s)
	Electricity distribution services	Non-electricity distribution services		
	2,661			
			–	
	2,661			
	1,563			
			–	
	1,563			
	1,698			
			–	
	1,698			
	372			
			–	
	372			
	4,577			
			–	
	4,577			
	1,022			
	4,042	2,226	6,268	
	5,064			
	11,893			
–	4,042	2,226	6,268	–
	15,935			

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 this ID determination), and so is subject to the assurance report required by section 2.8.

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5d(ii): Other Cost Allocations

	(\$000)
Pass through and recoverable costs	
Pass through costs	
Directly attributable	531
Not directly attributable	
Total attributable to regulated service	531
Recoverable costs	
Directly attributable	6,344
Not directly attributable	
Total attributable to regulated service	6,344

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

			CY-1	Current Year (CY)
Change in cost allocation 1				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	—	—
Rationale for change				
Change in cost allocation 2				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	—	—
Rationale for change				
Change in cost allocation 3				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	—	—
Rationale for change				

* 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.

† include additional rows if needed

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 this 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	21,115
Not directly attributable	
Total attributable to regulated service	21,115
Subtransmission cables	
Directly attributable	867
Not directly attributable	
Total attributable to regulated service	867
Zone substations	
Directly attributable	39,280
Not directly attributable	
Total attributable to regulated service	39,280
Distribution and LV lines	
Directly attributable	102,812
Not directly attributable	
Total attributable to regulated service	102,812
Distribution and LV cables	
Directly attributable	25,164
Not directly attributable	
Total attributable to regulated service	25,164
Distribution substations and transformers	
Directly attributable	37,624
Not directly attributable	
Total attributable to regulated service	37,624
Distribution switchgear	
Directly attributable	24,154
Not directly attributable	
Total attributable to regulated service	24,154
Other network assets	
Directly attributable	9,947
Not directly attributable	
Total attributable to regulated service	9,947
Non-network assets	
Directly attributable	887
Not directly attributable	1,413
Total attributable to regulated service	2,300
Regulated service asset value directly attributable	261,851
Regulated service asset value not directly attributable	1,413
Total closing RAB value	263,264

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

			(\$000)	
			CY-1	Current Year (CY)
Change in asset value allocation 1				
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				
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				
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 component
† include additional rows if needed

Company Name

The Lines Company Limited

For Year Ended

31 March 2023

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

6a(i): Expenditure on Assets

(\$000)

(\$000)

Consumer connection

2,702

System growth

195

Asset replacement and renewal

8,308

Asset relocations

–

Reliability, safety and environment:

Quality of supply

803

Legislative and regulatory

–

Other reliability, safety and environment

1,471

Total reliability, safety and environment

2,274

Expenditure on network assets

13,479

Expenditure on non-network assets

575

Expenditure on assets

14,054

plus Cost of financing

34

less Value of capital contributions

1,836

plus Value of vested assets

Capital expenditure

12,252

6a(ii): Subcomponents of Expenditure on Assets (where known)

(\$000)

Energy efficiency and demand side management, reduction of energy losses

Overhead to underground conversion

Research and development

Cybersecurity (Commission only)

6a(iii): Consumer Connection

Consumer types defined by EDB*

(\$000)

(\$000)

Non Standard Customer Connection

2,702

* include additional rows if needed

Consumer connection expenditure

2,702

less Capital contributions funding consumer connection expenditure

1,836

Consumer connection less capital contributions

866

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

	System Growth (\$000)	Asset Replacement and Renewal (\$000)
Subtransmission	0	1,007
Zone substations	75	618
Distribution and LV lines	118	5,744
Distribution and LV cables	–	60
Distribution substations and transformers	–	533
Distribution switchgear	2	134
Other network assets	–	214
System growth and asset replacement and renewal expenditure	195	8,308
less Capital contributions funding system growth and asset replacement and renewal		
System growth and asset replacement and renewal less capital contributions	195	8,308

6a(v): Asset Relocations

Project or programme*

(\$000)

(\$000)

N/A

N/A

N/A

N/A

N/A

* include additional rows if needed

All other projects or programmes - asset relocations

Asset relocations expenditure

–

less Capital contributions funding asset relocations

Asset relocations less capital contributions

–

Company Name

The Lines Company Limited

For Year Ended

31 March 2023

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

68

6a(vi): Quality of Supply

Project or programme*	(\$000)	(\$000)
11kV Fdr Dev - Feeder Development	88	
11kV Fdr Dev - Switch Automation and Renewal	407	
Sub & 33 Dev - Substations	296	
Sub & 33 Dev - Supply Points	11	
* include additional rows if needed		
All other projects programmes - quality of supply		
Quality of supply expenditure		803
less Capital contributions funding quality of supply		
Quality of supply less capital contributions		803

6a(vii): Legislative and Regulatory

Project or programme*	(\$000)	(\$000)
[Description of material project or programme]		
[Description of material project or programme]		
[Description of material project or programme]		
[Description of material project or programme]		
[Description of material project or programme]		
* 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 Cable Renewal Program	252	
11kV Fdr Dev - Switchgear for Safety	211	
Equipment Renewals	19	
Sub & 33kV Development	20	
Tx & Service Boxes - GMT	970	
* include additional rows if needed		
All other projects or programmes - other reliability, safety and environment		
Other reliability, safety and environment expenditure		1,471
less Capital contributions funding other reliability, safety and environment		
Other reliability, safety and environment less capital contributions		1,471

6a(ix): Non-Network Assets**Routine expenditure**

Project or programme*	(\$000)	(\$000)
Computers	77	
Furniture & Fittings	22	
Intangibles	200	
Motor Vehicles	36	
Office equipment	64	
Plant	2	
* include additional rows if needed		
All other projects or programmes - routine expenditure		
Routine expenditure		401

Atypical expenditure

Project or programme*	(\$000)	(\$000)
Eng & Asset Capital - Building Re-structure	106	
Eng & Asset Capital - Data Systems	68	
* include additional rows if needed		
All other projects or programmes - atypical expenditure		
Atypical expenditure		174
Expenditure on non-network assets		575

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 this 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	2,661	
9	Vegetation management	1,563	
10	Routine and corrective maintenance and inspection	1,698	
11	Asset replacement and renewal	372	
12	Network opex		6,294
13	System operations and network support	4,577	
14	Business support	5,064	
15	Non-network opex		9,641
16			
17	Operational expenditure		15,935

6b(ii): Subcomponents of Operational Expenditure (where known)

EDBs' must disclose both a public version of this Schedule (excluding cybersecurity cost data) and a confidential version of this Schedule (including cybersecurity costs)

20	Energy efficiency and demand side management, reduction of energy losses	20
21	Direct billing*	
22	Research and development	
23	Insurance	398
24	Cybersecurity (Commission only)	

* Direct billing expenditure by suppliers that directly bill the majority of their consumers

Company Name

The Lines Company Limited

For Year Ended

31 March 2023

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

7(i): Revenue

Target (\$000) ¹	Actual (\$000)	% variance
-----------------------------	----------------	------------

Line charge revenue

42,780	42,295	(1%)
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7(ii): Expenditure on Assets

Forecast (\$000) ²	Actual (\$000)	% variance
-------------------------------	----------------	------------

Consumer connection

1,524	2,702	77%
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System growth

411	195	(53%)
-----	-----	-------

Asset replacement and renewal

10,061	8,308	(17%)
--------	-------	-------

Asset relocations

23	–	(100%)
----	---	--------

Reliability, safety and environment:

Quality of supply

2,422	803	(67%)
-------	-----	-------

Legislative and regulatory

–	–	–
---	---	---

Other reliability, safety and environment

7,624	1,471	(81%)
-------	-------	-------

Total reliability, safety and environment

10,046	2,274	(77%)
--------	-------	-------

Expenditure on network assets

22,065	13,479	(39%)
--------	--------	-------

Expenditure on non-network assets

2,900	575	(80%)
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Expenditure on assets

24,965	14,054	(44%)
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7(iii): Operational Expenditure

Service interruptions and emergencies

1,559	2,661	71%
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Vegetation management

1,516	1,563	3%
-------	-------	----

Routine and corrective maintenance and inspection

1,555	1,698	9%
-------	-------	----

Asset replacement and renewal

584	372	(36%)
-----	-----	-------

Network opex

5,214	6,294	21%
-------	-------	-----

System operations and network support

2,611	4,577	75%
-------	-------	-----

Business support

5,875	5,064	(14%)
-------	-------	-------

Non-network opex

8,486	9,641	14%
-------	-------	-----

Operational expenditure

13,700	15,935	16%
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7(iv): Subcomponents of Expenditure on Assets (where known)

Energy efficiency and demand side management, reduction of energy losses

–	–	–
---	---	---

Overhead to underground conversion

–	–	–
---	---	---

Research and development

–	–	–
---	---	---

7(v): Subcomponents of Operational Expenditure (where known)

Energy efficiency and demand side management, reduction of energy losses

20	–	–
----	---	---

Direct billing

637	–	(100%)
-----	---	--------

Research and development

–	–	–
---	---	---

Insurance

398	–	–
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¹ From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination

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)

SCHEDULE 8: REPORT ON BILLED QUANTITIES

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 sub group.

[illegible]

Schedule 8: Report on Billed Quantities			Customer Type			Category			Standard			Rate			ICN			ICN Description			Customer Type			Category			Standard			Rate			ICN			ICN Description			Customer Type			Category			Standard			Rate			ICN			ICN Description																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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[illegible]

SCHEDULE 8: REPORT ON BILLED QUANTITIES

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

Country		Category	Sub-category	Standard	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
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SCHEDULE 8: REPORT ON BILLED QUANTITIES

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

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SCHEDULE 8: REPORT ON BILLED QUANTITIES

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

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SCHEDULE 8: REPORT ON BILLED QUANTITIES

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

367 8(ii): Line Charge Revenues (\$000) by Price

360	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	5
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SCHEDULE 8: REPORT ON BILLED QUANTITIES

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

WMM_Inventory Point of Sale	Inventory type	Standard or non-standard	\$ 4,088.04	\$ 1,070.00	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 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4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 647.700	\$ 4,018.277	\$ 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[illegible]

[illegible]

SCHEDULE 8: REPORT ON BILLED QUANTITIES

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

[illegible]

SCHEDULE 8: REPORT ON BILLED QUANTITIES

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

[illegible]

724		
725	8(iii): Number of ICPs dir	
726	<i>Number of directly billed ICPs at year end</i>	52

Check ☐ OIL

Electricity Distribution Information Disclosure Determination 2012 Schedules 1-10 - Hardcoded - V5_12.08.2023_post RAM_Sch 10

Company Name
For Year Ended
Network / Sub-network Name

The Lines Company Limited
31 March 2023

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

					Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	Voltage	Asset category	Asset class	Units				
9	All	Overhead Line	Concrete poles / steel structure	No.	24,292	24,922	630	3
10	All	Overhead Line	Wood poles	No.	10,272	10,041	(231)	2
11	All	Overhead Line	Other pole types	No.	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	451	437	(14)	2
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	–	–	–	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	12	15	4	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	25	25	–	4
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	–	3
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	201	203	2	3
29	HV	Zone substation switchgear	33kV RMU	No.	26	14	(12)	3
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	N/A
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	76	75	(1)	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	71	69	(2)	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	52	52	–	3
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	47	47	–	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,165	2,154	(11)	2
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	953	938	(15)	2
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	197	202	5	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.	295	285	(10)	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	4	3	(1)	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	7,874	7,627	(247)	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	74	80	6	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	389	356	(33)	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,001	5,053	52	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	587	593	6	3
48	HV	Distribution Transformer	Voltage regulators	No.	41	41	–	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	N/A
50	LV	LV Line	LV OH Conductor	km	479	488	9	2
51	LV	LV Cable	LV UG Cable	km	183	192	9	2
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	80	79	(1)	2
53	LV	Connections	OH/UG consumer service connections	No.	4,182	4,235	53	2
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	313	317	4	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1,097	1,123	26	3
56	All	Capacitor Banks	Capacitors including controls	No.	12	12	–	4
57	All	Load Control	Centralised plant	Lot	14	14	–	3
58	All	Load Control	Relays	No.	5,813	5,813	–	3
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name

The Lines Company Limited

For Year Ended

31 March 2023

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)
11	> 66kV	—	—
12	50kV & 66kV	—	—
13	33kV	437	15
14	SWER (all SWER voltages)	938	—
15	22kV (other than SWER)	—	—
16	6.6kV to 11kV (inclusive—other than SWER)	2,154	202
17	Low voltage (< 1kV)	488	192
18	Total circuit length (for supply)	4,017	409
19			
20	Dedicated street lighting circuit length (km)	31	48
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		598
22			
23	Overhead circuit length by terrain (at year end)	(% of total Circuit length (km) overhead length)	
24	Urban	480	12%
25	Rural	2,922	73%
26	Remote only	234	6%
27	Rugged only	284	7%
28	Remote and rugged	96	2%
29	Unallocated overhead lines	0	0%
30	Total overhead length	4,017	100%
31			
32		(% of total circuit Circuit length (km) length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	240	5%
34		(% of total Circuit length (km) overhead length)	
35	Overhead circuit requiring vegetation management	1,083	27%

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 *	Average number of	
		ICPs in disclosure year	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 2023

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 and Decommissionings

Number of ICPs connected during year by consumer type

Consumer types defined by EDB*

Standard: Service Level Urban A

Standard: Service Level Rural B

Standard: Service Level Rural C

Standard: Service Level Rural D

Standard: Service Level Remote Rural E

Standard: Service Level Remote Rural F

Connections total

Number of
connections (ICPs)

120

15

55

80

10

3

283

Number of ICPs decommissioned during year by consumer type

Consumer types defined by EDB*

Standard: Service Level Urban A

Standard: Service Level Rural B

Standard: Service Level Rural C

Standard: Service Level Rural D

Standard: Service Level Remote Rural E

Standard: Service Level Remote Rural F

Decommissionings total

Number of
decommissionings

48

17

39

53

2

8

167

Distributed generation

Number of connections made in year

15

connections

Capacity of distributed generation installed in year

0.11

MVA

9e(ii): System Demand**Maximum coincident system demand**

GXP demand

61

plus Distributed generation output at HV and above

14

Maximum coincident system demand

75

less Net transfers to (from) other EDBs at HV and above

—

Demand on system for supply to consumers' connection points

75

Demand at time
of maximum
coincident
demand (MW)**Electricity volumes carried**

Electricity supplied from GXPs

306

less Electricity exports to GXPs

6

plus Electricity supplied from distributed generation

75

less Net electricity supplied to (from) other EDBs

(16)

Electricity entering system for supply to consumers' connection points

391

less Total energy delivered to ICPs

365

Electricity losses (loss ratio)

25

6.5%

Load factor

0.60

9e(iii): Transformer Capacity

(MVA)

Distribution transformer capacity (EDB owned)

260

Distribution transformer capacity (Non-EDB owned, estimated)

12

Total distribution transformer capacity

271

Zone substation transformer capacity

233

Company Name **The Lines Company Limited**For Year Ended **31 March 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

10(i): Interruptions**Interruptions by class**

Class A (planned interruptions by Transpower)
Class B (planned interruptions on the network)
Class C (unplanned interruptions on the network)
Class D (unplanned interruptions by Transpower)
Class E (unplanned interruptions of EDB owned generation)
Class F (unplanned interruptions of generation owned by others)
Class G (unplanned interruptions caused by another disclosing entity)
Class H (planned interruptions caused by another disclosing entity)
Class I (interruptions caused by parties not included above)

Total**Number of
interruptions**

1
302
1,188
3
–
–
1
–
96
1,591

Interruption restoration

Class C interruptions restored within

≤3Hrs >3hrs

661	527
-----	-----

SAIFI and SAIDI by class

Class A (planned interruptions by Transpower)
Class B (planned interruptions on the network)
Class C (unplanned interruptions on the network)
Class D (unplanned interruptions by Transpower)
Class E (unplanned interruptions of EDB owned generation)
Class F (unplanned interruptions of generation owned by others)
Class G (unplanned interruptions caused by another disclosing entity)
Class H (planned interruptions caused by another disclosing entity)
Class I (interruptions caused by parties not included above)

Total**SAIFI SAIDI**

0.0882	3.00
0.6209	192.26
3.9822	656.01
0.7061	61.71
–	–
–	–
0.0005	0.18
–	–
0.1701	43.46
5.5681	956.63

Normalised SAIFI and SAIDI

Classes B & C (interruptions on the network)

Normalised SAIFI Normalised SAIDI

4.5173	580.54
--------	--------

Transitional SAIDI and SAIDI (previous method)

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

Class B (planned interruptions on the network)
Class C (unplanned interruptions on the network)

SAIFI SAIDI

Company Name **The Lines Company Limited**For Year Ended **31 March 2023**

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 this 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**

Lightning
Vegetation
Adverse weather
Adverse environment
Third party interference
Wildlife
Human error
Defective equipment
Cause unknown

SAIFI**SAIDI**

0.0586	10.70
1.1361	374.61
0.5916	108.78
0.0048	1.56
0.0835	23.90
0.4419	13.57
0.1613	4.17
0.8147	91.24
0.6896	27.48

Breakdown of third party interference

Dig-in
Overhead contact
Vandalism
Vehicle damage
Other

SAIFI**SAIDI**

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

Subtransmission lines
Subtransmission cables
Subtransmission other
Distribution lines (excluding LV)
Distribution cables (excluding LV)
Distribution other (excluding LV)

SAIFI**SAIDI**

0.0433	16.17
–	–
–	–
0.5776	176.09
–	–
–	–

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

Subtransmission lines
Subtransmission cables
Subtransmission other
Distribution lines (excluding LV)
Distribution cables (excluding LV)
Distribution other (excluding LV)

SAIFI**SAIDI**

1.4810	131.35
–	–
–	–
2.4925	523.10
0.0087	1.55
–	–

10(v): Fault Rate**Main equipment involved**

Subtransmission lines
Subtransmission cables
Subtransmission other
Distribution lines (excluding LV)
Distribution cables (excluding LV)
Distribution other (excluding LV)

Number of Faults

Circuit length
(km)

Fault rate (faults
per 100km)

39	437
–	15
–	
1,138	3,093
11	202
–	
1,188	

8.92
–
36.79
5.45

Total

Electricity Distribution Information Disclosure Determination 2012
Consolidated Determination as of 18 May 2023
Schedules 11a–13

Company Name

[The Lines Company Limited](#)

Disclosure Date

[31/03/2023](#)

AMP Planning Period Start Date (first day)

[1 April 2023](#)

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Information disclosure asset management plan schedules

Schedule	Schedule name
11a	<u>REPORT ON FORECAST CAPITAL EXPENDITURE</u>
11b	<u>REPORT ON FORECAST OPERATIONAL EXPENDITURE</u>
12a	<u>REPORT ON ASSET CONDITION</u>
12b	<u>REPORT ON FORECAST CAPACITY</u>
12c	<u>REPORT ON FORECAST NETWORK DEMAND</u>
12d	<u>REPORT FORECAST INTERRUPTIONS AND DURATION</u>
13	<u>REPORT ON ASSET MANAGEMENT MATURITY</u>

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). EDBs must express the information in this schedule (11a) as a specific value rather than ranges. Any supporting information about these values may be disclosed in Schedule 15 (Voluntary Explanatory Notes). This information is not part of audited disclosure information.

sch ref

7		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
8												
9	11a(i): Expenditure on Assets Forecast	\$000 (in nominal dollars)										
10	Consumer connection	1,524	4,124	6,724	4,676	945	4,304	982	1,001	1,021	1,041	1,062
11	System growth	411	150	2,600	6,749	14,309	2,116	2,157	3,763	2,243	1,805	2,577
12	Asset replacement and renewal	10,061	11,985	12,009	13,358	14,078	11,878	12,923	14,010	13,966	13,999	14,519
13	Asset relocations	23	203	156	-	164	-	170	-	177	-	184
14	Reliability, safety and environment:											
15	Quality of supply	2,422	2,102	874	589	1,615	846	1,550	2,165	708	722	736
16	Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
17	Other reliability, safety and environment	7,624	3,760	2,281	793	1,059	445	738	1,193	673	602	614
18	Total reliability, safety and environment	10,046	5,862	3,155	1,382	2,675	1,292	2,288	3,358	1,381	1,324	1,350
19	Expenditure on network assets	22,065	22,324	24,643	26,165	32,170	19,590	18,521	22,132	18,789	18,170	19,692
20	Expenditure on non-network assets	2,900	2,528	2,438	5,517	1,683	1,825	1,433	1,304	646	773	623
21	Expenditure on assets	24,965	24,851	27,081	31,682	33,854	21,415	19,954	23,436	19,434	18,943	20,315
22												
23	plus Cost of financing	499	489	514	589	612	382	349	402	326	312	328
24	less Value of capital contributions	750	3,759	5,600	3,500	-	3,000	-	-	-	-	-
25	plus Value of vested assets	-	-	-	-	-	-	-	-	-	-	-
26												
27	Capital expenditure forecast	24,714	21,581	21,995	28,771	34,466	18,797	20,303	23,837	19,760	19,255	20,643
28												
29	Assets commissioned	23,407	23,901	23,545	28,221	36,766	19,097	20,603	23,337	19,260	18,755	20,143
30		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
31												
32		\$000 (in constant prices)										
33	Consumer connection	1,524	4,124	6,465	4,365	865	3,865	865	865	865	865	865
34	System growth	411	150	2,500	6,300	13,100	1,900	1,900	3,250	1,900	1,500	2,100
35	Asset replacement and renewal	10,061	11,985	11,547	12,471	12,889	10,666	11,381	12,101	11,831	11,631	11,831
36	Asset relocations	23	203	150	-	150	-	150	-	150	-	150
37	Reliability, safety and environment:											
38	Quality of supply	2,422	2,102	840	550	1,479	760	1,365	1,870	600	600	600
39	Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
40	Other reliability, safety and environment	7,624	3,760	2,193	740	970	400	650	1,030	570	500	500
41	Total reliability, safety and environment	10,046	5,862	3,033	1,290	2,449	1,160	2,015	2,900	1,170	1,100	1,100
42	Expenditure on network assets	22,065	22,324	23,695	24,426	29,453	17,591	16,311	19,116	15,916	15,096	16,046
43	Expenditure on non-network assets	2,900	2,528	2,438	5,517	1,683	1,825	1,433	1,304	646	773	623
44	Expenditure on assets	24,965	24,851	26,133	29,943	31,136	19,416	17,744	20,420	16,562	15,869	16,669
45												
46	Subcomponents of expenditure on assets (where known)											
47	*EDBs' must disclose both a public version of this Schedule (excluding cybersecurity cost data) and a confidential version of this Schedule (including cybersecurity costs)											
48	Energy efficiency and demand side management, reduction of energy losses											
49	Overhead to underground conversion											
50	Research and development											
51	Cybersecurity (Commission only)											

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). EDBs must express the information in this schedule (11a) as a specific value rather than ranges. Any supporting information about these values may be disclosed in Schedule 15 (Voluntary 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
Difference between nominal and constant price forecasts	\$000										
Consumer connection	-	-	259	311	80	439	117	136	156	176	197
System growth	-	-	100	449	1,209	216	257	513	343	305	477
Asset replacement and renewal	-	-	462	888	1,189	1,212	1,542	1,909	2,135	2,368	2,688
Asset relocations	-	-	6	-	14	-	20	-	27	-	34
Reliability, safety and environment:											
Quality of supply	-	-	34	39	136	86	185	295	108	122	136
Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
Other reliability, safety and environment	-	-	88	53	89	45	88	163	103	102	114
Total reliability, safety and environment	-	-	121	92	226	132	273	458	211	224	250
Expenditure on network assets	-	-	948	1,739	2,717	2,000	2,210	3,016	2,873	3,074	3,646
Expenditure on non-network assets	-	-	-	-	-	-	-	-	-	-	-
Expenditure on assets	-	-	948	1,739	2,717	2,000	2,210	3,016	2,873	3,074	3,646

Commentary on options and considerations made in the assessment of forecast expenditure

EDBs may provide explanatory comment on the options they have considered (including scenarios used) in assessing forecast expenditure on assets for the current disclosure year and a 10 year planning period in Schedule 15

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
11a(ii): Consumer Connection	\$000 (in constant prices)					
<i>Consumer types defined by EDB*</i>						
NXC: 1 - Standard Connection - High Density	291	292	692	692	692	692
NXC: 2 - Standard Connection - Low Density	73	73	173	173	173	173
NXC: 3 - Non-standard connection	1,160	3,759	5,600	3,500	-	3,000
	-	-	-	-	-	-
<i>*Include additional rows if needed</i>						
Consumer connection expenditure	1,524	4,124	6,465	4,365	865	3,865
less Capital contributions funding consumer connection	750	3,759	5,600	3,500	-	3,000
Consumer connection less capital contributions	774	365	865	865	865	865
11a(iii): System Growth						
Subtransmission	-	-	-	-	-	-
Zone substations	376	150	2,100	2,500	10,900	1,500
Distribution and LV lines	35	-	400	3,800	2,200	400
Distribution and LV cables	-	-	-	-	-	-
Distribution substations and transformers	-	-	-	-	-	-
Distribution switchgear	-	-	-	-	-	-
Other network assets	-	-	-	-	-	-
System growth expenditure	411	150	2,500	6,300	13,100	1,900
less Capital contributions funding system growth	-	-	-	-	-	-
System growth less capital contributions	411	150	2,500	6,300	13,100	1,900

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). EDBs must express the information in this schedule (11a) as a specific value rather than ranges. Any supporting information about these values may be disclosed in Schedule 15 (Voluntary 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
96						
97						
98	11a(iv): Asset Replacement and Renewal					
99	\$000 (in constant prices)					
100	Subtransmission	900				
101	Zone substations	2,240	4,428	100	600	1,721
102	Distribution and LV lines	6,164	6,076	8,396	9,324	8,751
103	Distribution and LV cables	385	-	-	-	-
104	Distribution substations and transformers	53	910	1,440	986	986
105	Distribution switchgear	269	475	1,265	1,465	1,335
106	Other network assets	50	96	346	96	96
107	Asset replacement and renewal expenditure	10,061	11,985	11,547	12,471	12,889
108	less Capital contributions funding asset replacement and renewal					
109	Asset replacement and renewal less capital contributions	10,061	11,985	11,547	12,471	10,666
110						
111						
112	11a(v): Asset Relocations					
113	\$000 (in constant prices)					
114	Project or programme*					
115	NXL: 1 - Miscellaneous	23	203	150		150
116		-	-	-	-	-
117		-	-	-	-	-
118		-	-	-	-	-
119	*Include additional rows if needed					
120	All other project or programmes - asset relocations					
121	Asset relocations expenditure	23	203	150	-	150
122	less Capital contributions funding asset relocations					
123	Asset relocations less capital contributions	23	203	150	-	150
124						
125						
126						
127	11a(vi): Quality of Supply					
128	\$000 (in constant prices)					
129	Project or programme*					
130	NXEQ: 1 - 11kV Fdr Development - Feeders	115	655	100	100	1,124
131	NXEQ: 2 - Network sectionalisation and automation	760	285	740	315	215
132	NXEQ: 3 - Security of supply improvement	1,342	1,032	-	-	-
133	NXEQ: 4 - Zone substation improvement	50	100	-	75	140
134	NXEQ: 5 - Scada and Radio improvement	155	30	-	60	-
135	*Include additional rows if needed					
136	All other projects or programmes - quality of supply					
137	Quality of supply expenditure	2,422	2,102	840	550	1,479
138	less Capital contributions funding quality of supply					
139	Quality of supply less capital contributions	2,422	2,102	840	550	1,479

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). EDBs must express the information in this schedule (11a) as a specific value rather than ranges. Any supporting information about these values may be disclosed in Schedule 15 (Voluntary 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
140						
141						
142	11a(vii): Legislative and Regulatory					
143	<i>Project or programme*</i>					
144						
145						
146						
147						
148						
149	<i>*Include additional rows if needed</i>					
150	All other projects or programmes - legislative and regulatory					
151						
152	Legislative and regulatory expenditure					
153	less					
154	Legislative and regulatory less capital contributions					
155						
156						
157	11a(viii): Other Reliability, Safety and Environment					
158	<i>Project or programme*</i>					
159						
160						
161						
162						
163	<i>*Include additional rows if needed</i>					
164	All other projects or programmes - other reliability, safety and environment					
165						
166	Other reliability, safety and environment expenditure					
167	less					
168	Other reliability, safety and environment less capital contributions					
169						
170						
171	11a(ix): Non-Network Assets					
172	Routine expenditure					
173	<i>Project or programme*</i>					
174						
175						
176						
177						
178						
179	<i>*Include additional rows if needed</i>					
180	All other projects or programmes - routine expenditure					
181						
182	Routine expenditure					
183	<i>Project or programme*</i>					
184						
185						
186						
187						
188						
189	<i>*Include additional rows if needed</i>					
190	All other projects or programmes - atypical expenditure					
191						
192	Atypical expenditure					
193						
194	Expenditure on non-network assets					

Company Name	The Lines Company Limited
AMP Planning Period	1 April 2023 – 31 March 2033

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)										% of asset forecast to be replaced in next 5 years
Voltage	Asset category	Asset class	Units	H1	H2	H3	H4	H5	Grade unknown	Data accuracy (1–4)	
All	Overhead Line	Concrete poles / steel structure	No.	0.28%	1.49%	24.09%	39.34%	34.22%	0.59%	3	6.59%
All	Overhead Line	Wood poles	No.	7.77%	5.54%	16.05%	45.27%	19.20%	6.17%	2	13.31%
All	Overhead Line	Other pole types	No.	-	-	-	-	-	-	N/A	-
HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	32.65%	59.56%	7.79%	-	2	-
HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	-	-	-	N/A	-
HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	2.43%	12.02%	85.56%	-	3	-
HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	-	-	-	N/A	-
HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	-	-	-	N/A	-
HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	-	-	-	N/A	-
HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	-	-	N/A	-
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	-	N/A	-
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	-	-	N/A	-
HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	-	-	N/A	-
HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	-	-	-	N/A	-
HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-	60.87%	39.13%	-	4	-
HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	-	-	N/A	-
HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	-	-	-	N/A	-
HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1.69%	-	-	13.56%	84.75%	-	3	1.69%
HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	-	N/A	-
HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	13.79%	5.42%	7.88%	20.69%	52.22%	-	3	13.79%
HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	100.00%	-	N/A	-
HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	-	-	N/A	-
HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	100.00%	-	3	-
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	31.43%	-	-	24.29%	44.29%	-	3	31.43%
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	12.00%	-	66.00%	22.00%	-	3	-

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
36												
37												
38												
39	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	2.56%	25.64%	51.28%	20.51%	-	4	7.69%
40	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0.15%	0.80%	10.64%	74.53%	13.88%	-	2	0.96%
41	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	N/A	-
42	HV	Distribution Line	SWER conductor	km	0.28%	0.10%	26.95%	64.97%	7.70%	-	2	0.38%
43	HV	Distribution Cable	Distribution UG XLPE or PVC	km	0.43%	0.08%	7.74%	37.20%	54.55%	-	2	0.43%
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.	18.33%	1.25%	3.75%	8.75%	67.92%	-	3	18.33%
47	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	-	100.00%	-	3	-
48	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	5.83%	2.43%	7.57%	44.01%	40.16%	-	2	5.83%
49	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	2.63%	19.74%	77.63%	-	3	-
50	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	3.98%	5.40%	3.41%	10.51%	76.70%	-	3	3.98%
51	HV	Distribution Transformer	Pole Mounted Transformer	No.	0.86%	1.22%	11.05%	58.35%	28.51%	-	2	0.86%
52	HV	Distribution Transformer	Ground Mounted Transformer	No.	0.93%	4.67%	4.49%	61.87%	28.04%	-	3	0.93%
53	HV	Distribution Transformer	Voltage regulators	No.	2.47%	-	-	24.69%	72.84%	-	3	2.47%
54	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	-	-	-	N/A	-
55	LV	LV Line	LV OH Conductor	km	0.34%	0.62%	14.34%	71.99%	12.70%	-	2	0.97%
56	LV	LV Cable	LV UG Cable	km	1.83%	0.06%	3.35%	76.67%	18.09%	-	2	1.83%
57	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km	-	-	8.31%	84.20%	7.49%	-	2	-
58	LV	Connections	OH/UG consumer service connections	No.	0.43%	0.62%	4.86%	9.49%	7.12%	77.48%	2	0.43%
59	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	6.38%	12.77%	-	73.76%	6.74%	0.35%	3	6.38%
60	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	9.08%	8.50%	0.10%	48.63%	32.62%	1.07%	3	9.08%
61	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	-	100.00%	-	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	-

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

		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
	<i>Existing Zone Substations</i>									
	Arohena	4	-	N	1	-	-	-	No constraint within +5 years	
	Atiamuri	11	-	N	10	-	-	-	Transformer	Scheduled upgrade to Atiamuri planned in next 5 yrs
	Awamate	1	-	N	1	-	-	-	No constraint within +5 years	
	Borough	8	10	N - 1	3	78%	10	85%	No constraint within +5 years	
	Gadsby Road	5	-	N	6	-	-	-	Transformer	
	Hangatiki	4	-	N	1	-	-	-	No constraint within +5 years	
	Kaahu Tee	2	-	N	1	-	-	-	No constraint within +5 years	
	Kiko Road	2	-	N	-	-	-	-	No constraint within +5 years	Transformer out of service. Site currently operating as a switching station.
	Kuratau	2	-	N	0	-	3	80%	No constraint within +5 years	
	Mahoenui	3	-	N	0	-	-	-	No constraint within +5 years	
	Manunui	3	-	N	1	-	-	-	No constraint within +5 years	
	Maraetai	5	-	N	1	-	-	-	No constraint within +5 years	
	Marotiri	4	-	N	1	-	-	-	No constraint within +5 years	
	Mokai	5	-	N	1	-	-	-	No constraint within +5 years	
	National Park	3	-	N	1	-	-	-	No constraint within +5 years	
	Nihoniho	1	-	N	1	-	-	-	No constraint within +5 years	
	Oparure	2	-	N	1	-	-	-	No constraint within +5 years	
	Otukou	0	-	N	-	-	-	-	No constraint within +5 years	
	Piripiri	1	2	N-1	2	-	-	-	No constraint within +5 years	0
	Taharoa	17	10	N - 1	-	-	10	150%	Transformer	Constraint managed through agreement with major customer
	Taharoa Village	0	-	N	-	-	-	-	No constraint within +5 years	
	Tawhai	5	-	N	1	-	-	-	No constraint within +5 years	
	Te Anga	2	2	N-1	2	96%	-	-	No constraint within +5 years	
	Te Waireka	11	15	N - 1	3	74%	15	91%	No constraint within +5 years	
	Tokaanu	0	-	N	-	-	-	-	No constraint within +5 years	
	Tuhua	1	-	N	1	-	-	-	No constraint within +5 years	
	Turangi	5	5	N - 1	2	96%	5	100%	No constraint within +5 years	
	Waiotaka	2	-	N	1	-	-	-	No constraint within +5 years	
	Wairere	3	3	N - 1	1	118%	3	118%	No constraint within +5 years	
	Waitete	9	15	N - 1	4	60%	10	89%	No constraint within +5 years	

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

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 during year by consumer type

Consumer types defined by EDB*

Standard: Service Level Urban
Standard: Service Level Rural
Standard: Service Level Remote
Non standard connection

Connections total

*include additional rows if needed

Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
68	89	90	91	92	93
122	161	163	164	166	167
9	12	12	12	12	12
-	1	-	1	-	-
199	264	265	268	270	272

Distributed generation

Number of connections made in year

Capacity of distributed generation installed in year (MVA)

Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
34	42	53	66	82	103
0	0	0	0	0	0

12c(ii) System Demand

Maximum coincident system demand (MW)

GXP demand

plus Distributed generation output at HV and above

Maximum coincident system demand

less Net transfers to (from) other EDBs at HV and above

Demand on system for supply to consumers' connection points

Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
68	75	82	91	97	101
13	13	13	14	14	15
81	88	95	105	111	116
81	88	95	105	111	116

Electricity volumes carried (GWh)

Electricity supplied from GXPs

less Electricity exports to GXPs

plus Electricity supplied from distributed generation

less Net electricity supplied to (from) other EDBs

Electricity entering system for supply to ICPs

less Total energy delivered to ICPs

Losses

Load factor

Loss ratio

319	321	323	325	328	330
5	5	5	5	5	5
67	68	69	70	71	72
(12)	(13)	(13)	(13)	(13)	(13)
393	396	400	403	406	410
366	369	372	375	378	381
27	28	28	28	28	28
55%	51%	48%	44%	42%	41%
6.8%	6.9%	6.9%	6.9%	6.9%	6.9%

Company Name	The Lines Company Limited
AMP Planning Period	1 April 2023 – 31 March 2033
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		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
8							
9							
10	SAIDI						
11	Class B (planned interruptions on the network)	88.0	113.6	113.6	113.6	113.6	113.6
12	Class C (unplanned interruptions on the network)	152.4	179.7	167.9	156.8	146.2	136.1
13	SAIFI						
14	Class B (planned interruptions on the network)	1.00	0.66	0.66	0.66	0.66	0.66
15	Class C (unplanned interruptions on the network)	2.60	2.94	2.80	2.67	2.54	2.42

<div>Company Name AMP Planning Period Asset Management Standard Applied</div>				<div>The Lines Company 1 April 2023 – 31 March 2023</div>		<div>Company Name AMP Planning Period Asset Management Standard Applied</div>				<div>The Lines Company 1 April 2023 – 31 March 2023</div>	
<div>SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY</div> <div>This schedule requires information on the EDB's self-assessment of the maturity of its asset management practices .</div>											
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information			
3	Asset management policy	To what extent has an asset management policy been documented, authorised and communicated?	3	Documented evidence indicates that TLC's AM Policy was reviewed and re-approved by its Asset Management Committee in 2022. The authorised AM Policy is documented in TLC's AMP 2023 and is effectively communicated to the senior management team. However, there is no strong evidence that shows the AM Policy has been broadly communicated with all relevant employees and external stakeholders.	3b AMP Policy Review 2023 Asset Management Plan_Master_ Draft for RAM Review	Widely used AM practice standards require an organisation to document, authorise and communicate its asset management policy (eg, as required in PAS 55 para 4.2 i). A key pre-requisite of any robust policy is that the organisation's top management must be seen to endorse and fully support it. Also vital to the effective implementation of the policy, is to tell the appropriate	Top management. The management team that has overall responsibility for asset management.	The organisation's asset management policy, its organisational strategic plan, documents indicating how the asset management policy was based upon the needs of the organisation and evidence of communication.			
10	Asset management strategy	What has the organisation done to ensure that its asset management strategy is consistent with other appropriate organisational policies and strategies, and the needs of stakeholders?	3.5	TLC has revised its AM objectives for this 2023 AMP to reflect the changes in its business goals and the broader needs of its customers and stakeholders. The AM strategy is consistent with risk management policy. TLC's AM strategy is also reflecting the changes in its approach to customer and community engagement. TLC has identified its key stakeholders and reviewed their main interests with established engagement processes.	2023 Asset Management Plan_Master_ Draft for RAM Review - TLC's business strategic themes - The relationship between business strategy, AM	In setting an organisation's asset management strategy, it is important that it is consistent with any other policies and strategies that the organisation has and has taken into account the requirements of relevant stakeholders. This question examines to what extent the asset management strategy is consistent with other organisational policies and strategies (eg, as required by PAS 55 para 4.3.1 b) and has taken account of stakeholder requirements as required by PAS 55 para 4.3.1 c). Generally, this will take into account the same policies, strategies and stakeholder requirements as covered in drafting the asset management policy but at a greater level of detail.	Top management. The organisation's strategic planning team. The management team that has overall responsibility for asset management.	The organisation's asset management strategy document and other related organisational policies and strategies. Other than the organisation's strategic plan, these could include those relating to health and safety, environmental, etc. Results of stakeholder consultation.			
11	Asset management strategy	In what way does the organisation's asset management strategy take account of the lifecycle of the assets, asset types and asset systems over which the organisation has stewardship?	3.5	TLC has defined five AM objectives that guide its asset management decision-making. For each AM objective, the initiatives are set out and the key targets are defined. The strategic asset management plans are developed for the defined asset classes (categorised based on an asset system, e.g., OH Line, substation, etc.) and interconnected with the AM objectives and initiatives. This approach takes account of the lifecycle management of the assets from their creation through operations and maintenance to eventual disposal.	2023 Asset Management Plan_Master_ Draft for RAM Review - Life Cycle Management - Renewal our network - Preventative Maintenance	Good asset stewardship is the hallmark of an organisation compliant with widely used AM standards. A key component of this is the need to take account of the lifecycle of the assets, asset types and asset systems. (For example, this requirement is recognised in 4.3.1 d) of PAS 55). This question explores what an organisation has done to take lifecycle into account in its asset management strategy.	Top management. People in the organisation with expert knowledge of the assets, asset types, asset systems and their associated life-cycles. The management team that has overall responsibility for asset management. Those responsible for developing and adopting methods and processes used in asset management	The organisation's documented asset management strategy and supporting working documents.			
26	Asset management plan(s)	How does the organisation establish and document its asset management plan(s) across the life cycle activities of its assets and asset systems?	3.5	TLC has made two key changes in approach in developing the 2023 AMP. With the established asset class strategies, a master programme of work is formed from the individual asset class plans. The network hygiene projects are separated from other capex to adjust for risk. The AMP covers lifecycle management of its assets. The AMPs are documented, implemented, and maintained to achieve TLC's AM objectives. The new features in TLC's 2023 AMP Planning are: - 10-year Capex forecast and Opex forecast chart - The significant projects in TLC 2023 AMP - Capex plan deliverability analysis	RAM Information Memorandum - 2023 Asset Management Plan – Update 2023 Asset Management Plan_Master_ Draft for RAM Review 2023 AMP RAM Paper4 V5	The asset management strategy need to be translated into practical plan(s) so that all parties know how the objectives will be achieved. The development of plan(s) will need to identify the specific tasks and activities required to optimize costs, risks and performance of the assets and/or asset system(s), when they are to be carried out and the resources required.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers.	The organisation's asset management plan(s).			

Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033				Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033			
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY This schedule requires information on the EDB's self-assessment of the maturity of its asset management practices.															
Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033				Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033			
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)															
Question No.	Function	Question	Score	Evidence – Summary	User Guidance		Why	Who	Record/document information						
27	Asset management plan(s)	How has the organisation communicated its plan(s) to all relevant parties to a level of detail appropriate to the receiver's role in their delivery?	3.15	TLC communicates its AMPs to all relevant parties to a level of detail appropriate to their needs. While a summary of the 10-year expenditure forecast with the core drivers represented in a chart gives a glance at the key Capex and Opex expenditure categories, a Project Description Sheet (PDS) provides detailed information including the scope of work, budget, work sequence, outage plan, photos and drawings to support implementing a project. TLC holds regular meetings with set agendas processing standard reports so everyone knows what to expect. TLC has a good culture of an open-door approach to communication and teamwork within the organisation.	Meeting Minutes - AMC 30 August 2022 Minutes of Meeting held with Treescape 22 Nov 2022 2023 Asset Management Plan_Master_Draft for RAM Review PDS Kuratau Feeder split_TH		Plans will be ineffective unless they are communicated to all those, including contracted suppliers and those who undertake enabling function(s). The plan(s) need to be communicated in a way that is relevant to those who need to use them.	The management team with overall responsibility for the asset management system. Delivery functions and suppliers.	Distribution lists for plan(s). Documents derived from plan(s) which detail the receivers role in plan delivery. Evidence of communication.						
29	Asset management plan(s)	How are designated responsibilities for delivery of asset plan actions documented?	3.15	TLC documents the designated responsibilities of the asset management related roles across the business in its AMPs. A project manager is assigned to each project. Asset engineers are assigned to the maintenance programme. TLC Position Description provides key responsibilities and key relationships with internal and external stakeholders. TLC reviewed and amended its organisation structure and key functions in 2022 to ensure that designated responsibility and authority for the achievement of asset plan actions are appropriate.	2023 Asset Management Plan_Master_Draft for RAM Review TLC Organisation Chart TLC Position Description		The implementation of asset management plan(s) relies on (1) actions being clearly identified, (2) an owner allocated and (3) that owner having sufficient delegated responsibility and authority to carry out the work required. It also requires alignment of actions across the organisation. This question explores how well the plan(s) set out responsibility for delivery of asset plan actions.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team.	The organisation's asset management plan(s). Documentation defining roles and responsibilities of individuals and organisational departments.						
31	Asset management plan(s)	What has the organisation done to ensure that appropriate arrangements are made available for the efficient and cost effective implementation of the plan(s)? (Note this is about resources and enabling support)	3.15	TLC has assessed the deliverability of the Capex plan. With an understanding of the deliverability of its own service delivery team, TLC has outlined the key components of its Capex plan and allocated the work between internal and external resources. Complex work including substations, complex switchgear, and some line renewals is outsourced. The AM strategic plan gives visibility to the projects in the longer term. The improved certainty helps TLC to make its plan on resource needs on the engineering and project management as well as field staff.	2023 Asset Management Plan_Master_Draft for RAM Review Proposed team - 17 Jan 2023		It is essential that the plan(s) are realistic and can be implemented, which requires appropriate resources to be available and enabling mechanisms in place. This question explores how well this is achieved. The plan(s) not only need to consider the resources directly required and timescales, but also the enabling activities, including for example, training requirements, supply chain capability and procurement timescales.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team. Where appropriate the procurement team and service providers working on the organisation's asset-related activities.	The organisation's asset management plan(s). Documented processes and procedures for the delivery of the asset management plan.						
33	Contingency planning	What plan(s) and procedure(s) does the organisation have for identifying and responding to incidents and emergency situations and ensuring continuity of critical asset management activities?	3	TLC manages business continuity risk through the implementation of its Incident Management framework. The framework is based on Civil Defence Coordinated Incident Management System (CIMS) and uses the Four Rs of Emergency Preparedness Reduction, Readiness, Response, and Recovery. TLC has Incident Management Plan (IMP) as part of its Business Continuity framework in place to provide guidance for managing any incident that may occur during the course of TLC's day to day operations.	Incident Management Plan		Widely used AM practice standards require that an organisation has plan(s) to identify and respond to emergency situations. Emergency plan(s) should outline the actions to be taken to respond to specified emergency situations and ensure continuity of critical asset management activities including the communication to, and involvement of, external agencies. This question assesses if, and how well, these plan(s) triggered, implemented and resolved in the event of an incident. The plan(s) should be appropriate to the level of risk as determined by the organisation's risk assessment methodology. It is also a requirement that relevant personnel are competent and trained.	The manager with responsibility for developing emergency plan(s). The organisation's risk assessment team. People with designated duties within the plan(s) and procedure(s) for dealing with incidents and emergency situations.	The organisation's plan(s) and procedure(s) for dealing with emergencies. The organisation's risk assessments and risk registers.						

Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033				Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033			
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices.															
Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033				Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033			
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)															
Question No.	Function	Question	Score	Evidence – Summary	User Guidance		Why	Who	Record/document information						
37	Structure, authority and responsibilities	What has the organisation done to appoint member(s) of its management team to be responsible for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s)?	3.15	TLC reviewed and updated its organisation structure and key functions, and adjusted its AM team in the organisation chart. TLC has assigned accountabilities to relevant asset management roles across the business. TLC's Asset Management Committee is responsible for monitoring the implementation of the AM Policy and Objectives. TLC has also established four additional operational governance groups in the past few years. Each group has its designated responsibilities in making decisions and monitoring the performance in its focused operational area. It has helped TLC to strengthen its oversight of operational delivery and risk.	2023 Asset Management Plan_Master_Draft for RAM Review TLC Organisation Chart - Nov 2022		In order to ensure that the organisation's assets and asset systems deliver the requirements of the asset management policy, strategy and objectives responsibilities need to be allocated to appropriate people who have the necessary authority to fulfil their responsibilities. (This question, relates to the organisation's assets eg, para b), s 4.4.1 of PAS 55, making it therefore distinct from the requirement contained in para a), s 4.4.1 of PAS 55).	Top management. People with management responsibility for the delivery of asset management policy, strategy, objectives and plan(s). People working on asset-related activities.	Evidence that managers with responsibility for the delivery of asset management policy, strategy, objectives and plan(s) have been appointed and have assumed their responsibilities. Evidence may include the organisation's documents relating to its asset management system, organisational charts, job descriptions of post-holders, annual targets/objectives and personal development plan(s) of post-holders as appropriate.						
40	Structure, authority and responsibilities	What evidence can the organisation's top management provide to demonstrate that sufficient resources are available for asset management?	3	TLC reviewed its organisation structure and adjusted key functions. With an established asset management team structure, TLC is continuously developing its asset management capacity and capability by hiring personnel with the required expertise and relocating the existing resources. The deliverability analysis of the Capex plan allows TLC to plan the required resources within the company and outsource the work with much-increased certainty.	2023 Asset Management Plan_Master_Draft for RAM Review TLC Organisation Chart - Nov 2022		Optimal asset management requires top management to ensure sufficient resources are available. In this context the term 'resources' includes manpower, materials, funding and service provider support.	Top management. The management team that has overall responsibility for asset management. Risk management team. The organisation's managers involved in day-to-day supervision of asset-related activities, such as frontline managers, engineers, foremen and chargehands as appropriate.	Evidence demonstrating that asset management plan(s) and/or the process(es) for asset management plan implementation consider the provision of adequate resources in both the short and long term. Resources include funding, materials, equipment, services provided by third parties and personnel (internal and service providers) with appropriate skills, competencies and experience.						
42	Structure, authority and responsibilities	To what degree does the organisation's top management communicate the importance of meeting its asset management requirements?	3.15	TLC has used a range of strategies to communicate the importance of meeting asset management requirements. The company holds regular Asset Management Committee meetings, Network monthly report meetings, and Project monthly meetings. TLC developed a project management process (Typical TLC Project Lifecycle) in 2022. The process is represented in a chart which will help people who are involved in project delivery improve their understanding of the workflow and the requirements.	2023 AMP RAM Paper A V5 AMP Memo Network Monthly Report Meeting minutes Emails TLC Position Description Typical TLC Project Lifecycle		Widely used AM practice standards require an organisation to communicate the importance of meeting its asset management requirements such that personnel fully understand, take ownership of, and are fully engaged in the delivery of the asset management requirements (eg, PAS 55 s 4.4.1 g).	Top management. The management team that has overall responsibility for asset management. People involved in the delivery of the asset management requirements.	Evidence of such activities as road shows, written bulletins, workshops, team talks and management walk-arounds would assist an organisation to demonstrate it is meeting this requirement of PAS 55.						
45	Outsourcing of asset management activities	Where the organisation has outsourced some of its asset management activities, how has it ensured that appropriate controls are in place to ensure the compliant delivery of its organisational strategic plan, and its asset management	2.75	TLC has a Master Service Agreement in place to ensure quality delivery of outsourced asset management activities from design to construction. All outsourced works are managed through the internal project managers. Work Pack for each work is prepared to specify scope of work, deliverables, task details and work instruction. TLC sets out the requirements for the contractor on induction training and switching competence assessment.	Master Service Agreement		Where an organisation chooses to outsource some of its asset management activities, the organisation must ensure that these outsourced process(es) are under appropriate control to ensure that all the requirements of widely used AM standards (eg, PAS 55) are in place, and the asset management policy, strategy objectives and plan(s) are delivered. This includes ensuring capabilities and resources across a time span aligned to life cycle management. The organisation must put arrangements in place to control the outsourced activities, whether it be to external	Top management. The management team that has overall responsibility for asset management. The manager(s) responsible for the monitoring and management of the outsourced activities. People involved with the procurement of outsourced activities. The people within the organisations that are performing the outsourced activities. The people impacted by the outsourced activity.	The organisation's arrangements that detail the compliance required of the outsourced activities. For example, this could form part of a contract or service level agreement between the organisation and the suppliers of its outsourced activities. Evidence that the organisation has demonstrated to itself that it has assurance of compliance of outsourced activities.						

Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033				Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033			
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .															
Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033				Company Name AMP Planning Period Asset Management Standard Applied				The Lines Company 1 April 2023 – 31 March 2033			
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)															
Question No.	Function	Question	Score	Evidence – Summary	User Guidance		Why	Who	Record/documented information						
48	Training, awareness and competence	How does the organisation develop plan(s) for the human resources required to undertake asset management activities - including the development and delivery of asset management strategy, process(es), objectives and plan(s)?	2.75	TLC's AM leadership team defines the required human resources to undertake asset management activities. Asset Management Roles and Accountabilities are detailed in its APM. The required key competencies are documented in Position Descriptions. TLC has been continually hiring personnel with the required expertise to increase the capacity of the human resources as required.	Organisation Chart Position description		There is a need for an organisation to demonstrate that it has considered what resources are required to develop and implement its asset management system. There is also a need for the organisation to demonstrate that it has assessed what development plan(s) are required to provide its human resources with the skills and competencies to develop and implement its asset management systems. The timescales over which the plan(s) are relevant should be commensurate with the planning horizons within the asset management strategy considers e.g. if the asset management strategy considers 5, 10 and 15 year time scales then the human resources development plan(s) should align with these. Resources	Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.	Evidence of analysis of future work load plan(s) in terms of human resources. Document(s) containing analysis of the organisation's own direct resources and contractors resource capability over suitable timescales. Evidence, such as minutes of meetings, that suitable management forums are monitoring human resource development plan(s). Training plan(s), personal development plan(s), contract and service level agreements.						
49	Training, awareness and competence	How does the organisation identify competency requirements and then plan, provide and record the training necessary to achieve the competencies?	2.5	TLC has identified core competencies in the job design process and includes the requirements in Position Descriptions. Training requirements are identified/discussed through an interactive communication approach which can be either from the managers who arrange on the job training for the personnel or from the personnel who reach the managers to discuss appropriate training opportunities for continual professional improvement. A structured means is not currently in place for identifying training requirements, planning and recording training for all core asset management related competencies.	Organisation Chart Position description		Widely used AM standards require that organisations to undertake a systematic identification of the asset management awareness and competencies required at each level and function within the organisation. Once identified the training required to provide the necessary competencies should be planned for delivery in a timely and systematic way. Any training provided must be recorded and maintained in a suitable format. Where an organisation has contracted service providers in place then it should have a means to demonstrate that this requirement is being met for their employees. (eg, PAS 55 refers to frameworks suitable for identifying competency requirements).	Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.	Evidence of an established and applied competency requirements assessment process and plan(s) in place to deliver the required training. Evidence that the training programme is part of a wider, co-ordinated asset management activities training and competency programme. Evidence that training activities are recorded and that records are readily available (for both direct and contracted service provider staff) e.g. via organisation wide information system or local records database.						
50	Training, awareness and competence	How does the organization ensure that persons under its direct control undertaking asset management related activities have an appropriate level of competence in terms of education, training or experience?	2.5	TLC has specified in detail about the required qualifications, experience and skills for the designated asset management positions. TLC also provides support for training requirements when identified. These approaches help the company to ensure that persons under its direct control have an appropriate level of competence to undertake asset management related activities. There is however no evidence that TLC has documented the processes for developing training and development plans.	Organisation Chart Position description		A critical success factor for the effective development and implementation of an asset management system is the competence of persons undertaking these activities. Organisations should have effective means in place for ensuring the competence of employees to carry out their designated asset management function(s). Where an organisation has contracted service providers undertaking elements of its asset management system then the organisation shall assure itself that the outsourced service provider also has suitable arrangements in place to manage the competencies of its employees. The organisation should ensure that the individual and	Managers, supervisors, persons responsible for developing training programmes. Staff responsible for procurement and service agreements. HR staff and those responsible for recruitment.	Evidence of a competency assessment framework that aligns with established frameworks such as the asset management Competencies Requirements Framework (Version 2.0); National Occupational Standards for Management and Leadership; UK Standard for Professional Engineering Competence, Engineering Council, 2005.						

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)															
Question No.	Function	Question	Score	Evidence – Summary	User Guidance		Why	Who	Record/document information						
53	Communication, participation and consultation	How does the organisation ensure that pertinent asset management information is effectively communicated to and from employees and other stakeholders, including contracted service providers?	3.15	TLC uses both formal and informal communication strategies to facilitate effective communication with its staff. The different types of asset management information are communicated with different stakeholders. Board meetings are held to review long-term Capex and Opex to ensure the plans are aligned with the AM objectives. The monthly meetings on network reports and project management communicate information on all aspects of asset management activities focusing on project delivery including outsourced capex work. The development of a Typical TLC Project Lifecycle in 2022 will improve communication through the "do" phase.	Board memo Typical TLC Project Lifecycle PDS Approval Process		Widely used AM practice standards require that pertinent asset management information is effectively communicated to and from employees and other stakeholders including contracted service providers. Pertinent information refers to information required in order to effectively and efficiently comply with and deliver asset management strategy, plan(s) and objectives. This will include for example the communication of the asset management policy, asset performance information, and planning information as appropriate to contractors.	Top management and senior management representative(s), employee's representative(s), employee's trade union representative(s), contracted service provider management and employee representative(s); representative(s) from the organisation's Health, Safety and Environmental team. Key stakeholder representative(s).	Asset management policy statement prominently displayed on notice boards, intranet and internet; use of organisation's website for displaying asset performance data; evidence of formal briefings to employees, stakeholders and contracted service providers; evidence of inclusion of asset management issues in team meetings and contracted service provider contract meetings; newsletters, etc.						
59	Asset Management System documentation	What documentation has the organisation established to describe the main elements of its asset management system and interactions between them?	3	In 2022, TLC improved its Asset Management System (AMS) by revising the AM objectives and set out the initiatives and measurable targets. A flow chart with a set of high-level processes indicating the main elements of the system with the interrelations/interactions between elements. The AMS information is documented in its AMP. With the established AM structure, TLC has established additional governance functions including AMC, VMC, DRG, OMC, and PSG to monitor the planning and implementation of its AM objectives and strengthen its oversight of the operational delivery and risk.	2023 Asset Management Plan_Master_ Draft for RAM Review 2023 AMP RAM Paper 4 V5 AMC - Asset Management Committee VMC - Vegetation Management Committee DRG - Design Review Group OMC - Outage Management Committee PSG - Public Safety Review Group		Widely used AM practice standards require an organisation maintain up to date documentation that ensures that its asset management systems (ie, the systems the organisation has in place to meet the standards) can be understood, communicated and operated. (eg, s 4.5 of PAS 55 requires the maintenance of up to date documentation of the asset management system requirements specified throughout s 4 of PAS 55).	The management team that has overall responsibility for asset management. Managers engaged in asset management activities.	The documented information describing the main elements of the asset management system (process(es)) and their interaction.						
62	Information management	What has the organisation done to determine what its asset management information system(s) should contain in order to support its asset management system?	3	TLC has four core information systems associated with asset management functions. The company has been developing processes including Dashboard and Asset Altitude to process the raw data to a ready-to-use form to assist stakeholder decision-making. The development of the decision-making support tools provides great help to determine what its asset management information systems should contain to meet the asset management requirement.	Dashboards Asset Altitude		Effective asset management requires appropriate information to be available. Widely used AM standards therefore require the organisation to identify the asset management information it requires in order to support its asset management system. Some of the information required may be held by suppliers. The maintenance and development of asset management information systems is a poorly understood specialist activity that is akin to IT management but different from IT management. The response to the questions is progressive. A higher scale cannot be awarded without achieving the requirements of the lower scale.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Operations, maintenance and engineering managers	Details of the process the organisation has employed to determine what its asset information system should contain in order to support its asset management system. Evidence that this has been effectively implemented.						
63	Information management	How does the organisation maintain its asset management information system(s) and ensure that the data held within it (them) is of the requisite quality and accuracy and is consistent?	3.25	TLC has reviewed data accuracy across the asset base and identified data quality issues in relation to the asset classes. Data accuracy is steadily being refined and improved as both inspections and work are completed on the network. In 2022, TLC changed its OH line inspection approach to provide more accurate condition data by combining a LIDAR scan, poletop photography, and ground inspection. TLC has now largely automated its inspection processes using tablets in the field to reduce the subjectivity of condition assessment and streamline data entry.	3d Changing our Line Inspection Approach Business case for spatial analytics - Final 2023 Asset Management Plan_Master_ Draft for RAM Review		The response to the questions is progressive. A higher scale cannot be awarded without achieving the requirements of the lower scale. This question explores how the organisation ensures that information management meets widely used AM practice requirements (eg, s 4.4.6 (a), (c) and (d) of PAS 55).	The management team that has overall responsibility for asset management. Users of the organisational information systems.	The asset management information system, together with the policies, procedure(s), improvement initiatives and audits regarding information controls.						

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)															
Question No.	Function	Question	Score	Evidence – Summary	User Guidance		Why	Who	Record/document information						
64	Information management	How has the organisation's ensured its asset management information system is relevant to its needs?	3.25	In 2022, TLC conducted a review of its core asset systems and business capabilities. The review resulted in a proposed system upgrade roadmap. TLC's focus in the next three years will be in developing an Advanced Distribution Management System. That will enable TLC's information systems to integrate together and allow them to more deeply analyse their network, and to be more efficient and responsive. TLC has allocated funds over a five-year period to upgrade its key systems.	2023 Asset Management Plan_Master, Draft for RAM Review Asset Information System Roadmap (Digital Compass - Roadmap)		Widely used AM standards need not be prescriptive about the form of the asset management information system, but simply require that the asset management information system is appropriate to the organisations needs, can be effectively used and can supply information which is consistent and of the requisite quality and accuracy.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Users of the organisational information systems.	The documented process the organisation employs to ensure its asset management information system aligns with its asset management requirements. Minutes of information systems review meetings involving users.						
69	Risk management process(es)	How has the organisation documented process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle?	3	TLC has documented its processes and procedures for the identification and assessment of asset and asset management-related risks in its AMP. AM-related risks are regularly assessed in association with the delivery of asset management objectives by the senior leadership team as the Tier 1 risk. Asset risk assessment methodology on likelihood, consequences, detectability, and mitigation are detailed in its AMP. TLC has implemented Asset Altitude which is an asset condition and risk modelling database to support long-term asset renewal planning. The key risks for the relevant asset classes are documented under the section Preventative Maintenance in its AMP.	2023 Asset Management Plan_Master, Draft for RAM Review 3c Change to AMC Work Plan		Risk management is an important foundation for proactive asset management. Its overall purpose is to understand the cause, effect and likelihood of adverse events occurring, to optimally manage such risks to an acceptable level, and to provide an audit trail for the management of risks. Widely used standards require the organisation to have process(es) and/or procedure(s) in place that set out how the organisation identifies and assesses asset and asset management related risks. The risks have to be considered across the four phases of the asset lifecycle (eg, para 4.3.3 of PAS 55).	The top management team in conjunction with the organisation's senior risk management representatives. There may also be input from the organisation's Safety, Health and Environment team. Staff who carry out risk identification and assessment.	The organisation's risk management framework and/or evidence of specific process(es) and/or procedure(s) that deal with risk control mechanisms. Evidence that the process(es) and/or procedure(s) are implemented across the business and maintained. Evidence of agendas and minutes from risk management meetings. Evidence of feedback in to process(es) and/or procedure(s) as a result of incident investigation(s). Risk registers and assessments.						
79	Use and maintenance of asset risk information	How does the organisation ensure that the results of risk assessments provide input into the identification of adequate resources and training and competency needs?	2.5	While there is evidence that risks are being identified, and mitigated, there is no evidence that mitigating actions are being comprehensively linked to resourcing, competencies, and training plans. It is noted in an incident report that mentioned that the event coordinator needs further training for the role to - improve a better understanding of his powers, roles, and responsibilities - have full situational awareness of what assets were available and where they were, and where priority calls needed to be made. This kind of information provides valuable input into competency and training needs.	Incident Report – Moku Outage Event - 20th May 2022		Widely used AM standards require that the output from risk assessments are considered and that adequate resource (including staff) and training is identified to match the requirements. It is a further requirement that the effects of the control measures are considered, as there may be implications in resources and training required to achieve other objectives.	Staff responsible for risk assessment and those responsible for developing and approving resource and training plan(s). There may also be input from the organisation's Safety, Health and Environment team.	The organisations risk management framework. The organisation's resourcing plan(s) and training and competency plan(s). The organisation should be able to demonstrate appropriate linkages between the content of resource plan(s) and training and competency plan(s) to the risk assessments and risk control measures that have been developed.						
82	Legal and other requirements	What procedure does the organisation have to identify and provide access to its legal, regulatory, statutory and other asset management requirements, and how is requirements incorporated into the asset management system?	2.75	Statutory and regulatory risks are included in TLC's Tier 1 risks and are monitored and reported to the Board Audit, Risk and Finance Committee on a bi-annual basis. TLC's regulatory compliance is managed by its Customer and Community Engagement team. Project-related legal requirements are reviewed and advised by contracted lawyers on a project basis. TLC has incorporated the statutory and regulatory requirements into its asset lifecycle management to ensure that network performance is within statutory limits and preventative maintenance strategy meets all statutory obligations.			In order for an organisation to comply with its legal, regulatory, statutory and other asset management requirements, the organisation first needs to ensure that it knows what they are (eg, PAS 55 specifies this in s 4.4.8). It is necessary to have systematic and auditable mechanisms in place to identify new and changing requirements. Widely used AM standards also require that requirements are incorporated into the asset management system (e.g. procedure(s) and process(es))	Top management. The organisations regulatory team. The organisation's legal team or advisors. The management team with overall responsibility for the asset management system. The organisation's health and safety team or advisors. The organisation's policy making team.	The organisational processes and procedures for ensuring information of this type is identified, made accessible to those requiring the information and is incorporated into asset management strategy and objectives						

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)															
Question No.	Function	Question	Score	Evidence – Summary	User Guidance		Why	Who	Record/documented information						
88	Life Cycle Activities	How does the organisation establish implement and maintain process(es) for the implementation of its asset management plan(s) and control of activities across the creation, acquisition or enhancement of assets. This includes design, modification, procurement, construction and commissioning activities?	3	TLC has the AMP(s) in place to provide visibility of Capex and Opex planning for the main investment categories for the 10 years period. A detailed description of TLC's asset lifecycle management provided in its AMP. In 2022, TLC completed the DS26 Works Management System which defines the processes from job identification to closeout. TLC has a suite of operating procedures in place covering asset operations. TLC has Master Service Agreement and Work Pack in place to provide detailed requirements for external suppliers. TLC has been continually building operational governance groups including VMC, OMC, DRG, and PSG which have enhanced its oversight of operational delivery and risk.	DS26 Works Management System Asset amendment form Typical TLC Project Lifecycle Business Process for Project Closeout		Life cycle activities are about the implementation of asset management plan(s) i.e. they are the "doing" phase. They need to be done effectively and well in order for asset management to have any practical meaning. As a consequence, widely used standards (eg. PAS 55 s 4.5.1) require organisations to have in place appropriate process(es) and procedure(s) for the implementation of asset management plan(s) and control of lifecycle activities. This question explores those aspects relevant to asset creation.	Asset managers, design staff, construction staff and project managers from other impacted areas of the business, e.g. Procurement	Documented process(es) and procedure(s) which are relevant to demonstrating the effective management and control of life cycle activities during asset creation, acquisition, enhancement including design, modification, procurement, construction and commissioning.						
91	Life Cycle Activities	How does the organisation ensure that process(es) and/or procedure(s) for the implementation of asset management plan(s) and control of activities during maintenance (and inspection) of assets are sufficient to ensure activities are carried out under specified conditions, are	2.9	TLC has started to assess and document the current process which is followed by the network engineering, design, and project delivery team to perform the overhead asset renewal/replacement work and to make decisions in case of a Red Tag Pole being identified. When scheduling preventative maintenance activities TLC considers avoiding resource constraints, seasonal related land access issues, the primary working season for renewal work. TLC intends to establish Maintenance Governance Committee.	OH Line Renewal Process Current State Analysis Red Tag Pole management Current State Analysis Basix Database PDS Approval Process		Having documented process(es) which ensure the asset management plan(s) are implemented in accordance with any specified conditions, in a manner consistent with the asset management policy, strategy and objectives and in such a way that cost, risk and asset system performance are appropriately controlled is critical. They are an essential part of turning intention into action (eg, as required by PAS 55 s 4.5.1).	Asset managers, operations managers, maintenance managers and project managers from other impacted areas of the business	Documented procedure for review. Documented procedure for audit of process delivery. Records of previous audits, improvement actions and documented confirmation that actions have been carried out.						
95	Performance and condition monitoring	How does the organisation measure the performance and condition of its assets?	3.15	The performance of the assets is measured by SAIDI and SAIFI. Defective equipment is the top driver of TLC's unplanned interruptions by both SAIDI and count. Further analysis indicates that around half of defective equipment faults are related to the pole top. TLC has changed its OH line inspection Approach to improve condition monitoring of its OH line assets. TLC has implemented an Asset Altitude modelling database to analyse asset health and remaining life to support asset renewal planning.	LIDAR scan, drone inspection and pole base inspection AMP, Basix Database, ICAM report, Asset Altitude		Widely used AM standards require that organisations establish implement and maintain procedure(s) to monitor and measure the performance and/or condition of assets and asset systems. They further set out requirements in some detail for reactive and proactive monitoring, and leading/lagging performance indicators together with the monitoring or results to provide input to corrective actions and continual improvement. There is an expectation that performance and condition monitoring will provide input to improving asset management strategy, objectives and plan(s).	A broad cross-section of the people involved in the organisation's asset-related activities from data input to decision-makers, i.e. an end-to-end assessment. This should include contactors and other relevant third parties as appropriate.	Functional policy and/or strategy documents for performance or condition monitoring and measurement. The organisation's performance monitoring frameworks, balanced scorecards etc. Evidence of the reviews of any appropriate performance indicators and the action lists resulting from these reviews. Reports and trend analysis using performance and condition information. Evidence of the use of performance and condition						
99	Investigation of asset-related failures, incidents and nonconformities	How does the organisation ensure responsibility and the authority for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformance is clear, unambiguous, understood and communicated?	2.9	TLC's Outage Management Committee (OMC) is to assess the outage performance and generate initiatives for the ongoing prevention and mitigation. Asset related incidents where the SAIDI minutes exceed 2 minutes are fully investigated to find the root causes and communicated in the Network Quality Performance Analysis report. TLC's ICAM reports provide comprehensive information about the incident, the causes, the environmental conditions, the organisational factors, and the recommendations. TLC's IMP has a placeholder for network event including significant asset failure and need to be incorporated.	Incident Management Plan ICAM Incident Report		Widely used AM standards require that the organisation establishes implements and maintains process(es) for the handling and investigation of failures incidents and non-conformities for assets and sets down a number of expectations. Specifically this question examines the requirement to define clearly responsibilities and authorities for these activities, and communicate these unambiguously to relevant people including external stakeholders if appropriate.	The organisation's safety and environment management team. The team with overall responsibility for the management of the assets. People who have appointed roles within the asset-related investigation procedure, from those who carry out the investigations to senior management who review the recommendations. Operational controllers responsible for managing the asset base under fault conditions and maintaining services to consumers. Contractors and other third parties as appropriate.	Process(es) and procedure(s) for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformance. Documentation of assigned responsibilities and authority to employees. Job Descriptions, Audit reports. Common communication systems i.e. all Job Descriptions on internet etc.						

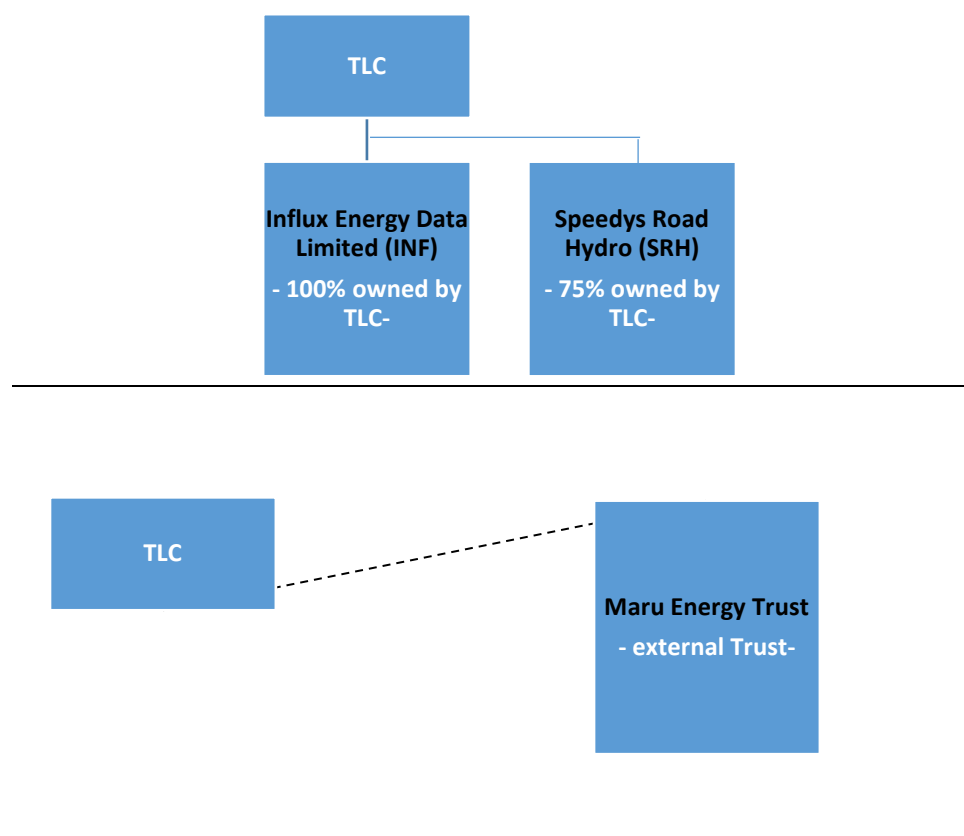
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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)															
Question No.	Function	Question	Score	Evidence—Summary	User Guidance		Why	Who	Record/documented information						
105	Audit	What has the organisation done to establish procedure(s) for the audit of its asset management system (process(es))?	2.75	TLC takes actions to periodically review its overall asset management system and capability. Evidence includes an annual AMMAT review by an independent party in the past 5 years.	AMMAT review report		This question seeks to explore what the organisation has done to comply with the standard practice AM audit requirements (eg, the associated requirements of PAS 55 s 4.6.4 and its linkages to s 4.7).	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit teams, together with key staff responsible for	The organisation's asset-related audit procedure(s). The organisation's methodology(s) by which it determined the scope and frequency of the audits and the criteria by which it identified the						
109	Corrective & Preventative action	How does the organisation instigate appropriate corrective and/or preventive actions to eliminate or prevent the causes of identified poor performance and non conformance?	2.9	TLC identifies the causes of interruptions on its network and applies different strategies to the main drivers. To address the defective equipment issues (the key contributor is the pole top elements), TLC has changed its OH line inspection approach to provide more accurate and timely data to support asset planning on corrective actions. When dealing with the increased vegetation risk due to tree encroachment TLC established the VMC and developed the strategy to apply Spatial Analytics to support vegetation risk management and operational performance. TLC's Incident Report provides event descriptions, causes of faults, and recommendations for further actions.	2023 Asset Management Plan_Master_ Draft for RAM Review Business case for spatial analytics ICAM Incident Report - Lake Taupo 33_AB 3d Changing our Line Inspection Approach Vegetation Management Committee Meeting Minutes Treescap Monthly Meeting Minutes		Having investigated asset related failures, incidents and non-conformances, and taken action to mitigate their consequences, an organisation is required to implement preventative and corrective actions to address root causes. Incident and failure investigations are only useful if appropriate actions are taken as a result to assess changes to a businesses risk profile and ensure that appropriate arrangements are in place should a recurrence of the incident happen. Widely used AM standards also require that necessary changes arising from preventive or corrective action are made to the asset management system.	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit and incident investigation teams. Staff responsible for planning and managing corrective and preventive actions.	Analysis records, meeting notes and minutes, modification records. Asset management plan(s), investigation reports, audit reports, improvement programmes and projects. Recorded changes to asset management procedure(s) and process(es). Condition and performance reviews. Maintenance reviews						
113	Continual Improvement	How does the organisation achieve continual improvement in the optimal combination of costs, asset related risks and the performance and condition of assets and asset systems across the whole life cycle?	3	TLC has made continual improvement in an optimal combination of costs, asset-related risks, and performance across the asset life cycle in the following areas: - Revised its AM objectives and developed a Strategic AM plan at the asset class level with interconnection to AM objectives - Changed OH line Inspection Approach - Used Asset Altitude to estimate the long-term asset renewal expenditure - Commenced a data cleansing programme - Undertaken innovations that defer asset replacements to ease network constraints.	2023 Asset Management Plan_Master_ Draft for RAM Review Business case for spatial analytics - Final 3d Changing our Line Inspection Approach FMEA analysis and effectiveness of inspection		Widely used AM standards have requirements to establish, implement and maintain process(es)/procedure(s) for identifying, assessing, prioritising and implementing actions to achieve continual improvement. Specifically there is a requirement to demonstrate continual improvement in optimisation of cost risk and performance/condition of assets across the life cycle. This question explores an organisation's capabilities in this area—looking for systematic improvement mechanisms rather than reviews and audit (which are separately examined).	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. Managers responsible for policy development and implementation.	Records showing systematic exploration of improvement. Evidence of new techniques being explored and implemented. Changes in procedure(s) and process(es) reflecting improved use of optimisation tools/techniques and available information. Evidence of working parties and research.						
115	Continual Improvement	How does the organisation seek and acquire knowledge about new asset management related technology and practices, and evaluate their potential benefit to the organisation?	3.15	TLC's AM strategy support the organisation to seek and acquire knowledge and new technology for evolving its AM practice. As a result, TLC actively engages with industry peers to share new practices and technologies, works with NIWA to develop a storm forecasting model, participates in industry groups such as EEA and ENA, etc. The senior leadership team who is responsible for monitoring changes in the company's business operating environment, reviewing new technology opportunities and implement where appropriate.	2023 Asset Management Plan_Master_ Draft for RAM Review - TLC's business strategy themes and AM objectives. Business case for spatial analytics - Final		One important aspect of continual improvement is where an organisation looks beyond its existing boundaries and knowledge base to look at what 'new things are on the market'. These new things can include equipment, process(es), tools, etc. An organisation which does this (eg, by the PAS 55 s 4.6 standards) will be able to demonstrate that it continually seeks to expand its knowledge of all things affecting its asset management approach and capabilities. The organisation will be able to demonstrate that it identifies any such opportunities to improve, evaluates them for suitability to its own organisation and implements them as appropriate. This question explores an organisation's approach to this activity.	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. People who monitor the various items that require monitoring for 'change'. People that implement changes to the organisation's policy, strategy, etc. People within an organisation with responsibility for investigating, evaluating, recommending and implementing new tools and techniques, etc.	Research and development projects and records, benchmarking and participation knowledge exchange professional forums. Evidence of correspondence relating to knowledge acquisition. Examples of change implementation and evaluation of new tools, and techniques linked to asset management strategy and objectives.						

Company Name	<u>The Lines Company</u>
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APPENDIX A – AUDITED SCHEDULES

Clause 2.3.8 (1) – (3)

Related party structure



Influx Energy Data Limited (INF)

Influx Energy Data Limited 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. INF is responsible for supplying all meters on our network.

1. Data Subscription Services - \$714k
2. Meter Lease Charges - \$30k
3. Field Services - \$6k

Maru Energy Trust

TLC supports the Maru Energy Trust via an annual donation. Maru Energy Trust is a not-for-profit

charitable trust to assist families in energy saving measures to heat their homes. TLC has no ownership in the trust.

Speedys Road Hydro (SRH)

TLC owns 75% stake in Speedy's Road Hydro Ltd. SRH previously generated electricity from a hydro scheme on the North Island. This hydro scheme is on the The Lines Company Network. The generation assets were sold in July 2021. Now a dormant company.

Clause 2.3.12(1)

Name of related party	Nature of opex or capex services provided	Total value of transactions (\$'000)	Revenue/Cost implication
INF	Data Subscription Services, Meter Lease Charges and Field Services	750	Cost
		750	
TLC	Donations to Maru Energy Trust	150	Cost
		150	
SRH	No services provided due to Company selling all assets and now a dormant company	Nil	N/A
		0	

Company Name	The Lines Company
For Year Ended	31 March 2023

Schedule 14 Mandatory Explanatory Notes

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

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 11 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

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

Box 1: Explanatory comment on return on investment

The ROI-comparable to a post-tax WACC has increased to 9.15% (2022: 9.34%) in the current regulatory year. This is an increase of 0.19%. The increase in the revaluations for RY2022 and RY2023 have significantly increased the return on investment.

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 2023 was \$22m. This represents an increase of \$1.5m from the previous year (31 March 2022 – \$20.5m).

The revaluation amount allocated to regulated profit totalled \$16.7m being an increase of \$1.1m compared to the prior year. The revaluation increase is due to the high CPI of 6.65%.

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.

The revaluation of the RAB has resulted in an impact of \$16.7m which due to the high CPI of 6.65%.

There has been no change to the methodology of allocating non-network assets compared to the prior year.

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 - \$365k
- Opening long service leave accrual - \$25k
- Opening bonus provision accrual - \$19k
- Opening bad debt provision - \$37k
- Opening general provision - Nil
- Opening unrecognised capital contributions - (\$1,146k)
- Total negative Temporary Differences – (\$700k)
- Line renewal R&M deduction - Nil

Positive Temporary Differences (Gross values):

- Closing accrued annual leave accrual - \$297k
- Closing long service leave accrual - \$25k
- Closing bonus provision accrual - Nil
- Closing bad debt provision - \$158k
- Closing general provision - Nil
- Closing unrecognised capital contributions - (\$998k)
- Total positive Temporary Differences - (\$517k)

Net POSITIVE temporary differences are \$182k, with a tax effect of \$51k.

Tax difference is due to the change in treatment of the line renewal costs

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 each TLC division or part thereof which has any regulatory business transactions, and each general ledger cost code that 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 costs for which a causal relationship cannot be established. The methodology behind the use of each proxy allocator is based on an analysis of each general ledger cost code that is not directly attributable to the 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

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

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

Cost allocations are based on the same logic as the prior year.

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. These have been allocated at 100% to the RAB.

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

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.)

The methodology for asset allocations for non-direct assets has not been changed compared to the prior year.

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.

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, 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 transformer refurbishment and swap-outs.

From 01 April 2023 Metering admin charges were no longer directly incurred and were replaced with significantly reduced Data Subscription Services costs, used to validate retailer files and populate metering files where retailers had not. 100% of these costs are considered System operations and network support.

There has been no financial reclassification of items.

There has been no atypical expenditure incurred.

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
Expenditure on assets

Total expenditure on assets for the period was 44% below the AMP forecast. Overall expenditure on assets was impacted by resource availability due to significant weather events, landowner consents delays and jobs deferred by customers. Jobs were re-prioritised during the year and where applicable certain capital works were delayed into FY24.

Network capital expenditure was 39% below forecast due to the following:

Consumer Connections

Expenditure on customer connections before capital contributions was 77% above the forecast (\$1,178k). Customer connections after capital contributions results in a positive variance of \$332k, when taking into account AMP forecast capital contributions of \$990k.

System growth

System growth was 53% below forecast (\$216k). Forecasted work on the Atiamuri sub transformer replacement, Hangatiki GXP upgrade and the Kiko road transformer upgrade was further delayed by resource constraints caused by fault activity.

Asset Replacement and Renewal

Expenditure on asset replacement and renewal was 17% below forecast (\$1.8m). The Taharoa switchroom renewal is dependant on the Taharoa Ironsands (TIL) customer growth planning occurring, a consumer connection project that has had a movement in timeline due to customer planning(\$1.7m). Line renewal work was also impacted by resource availability due to increased fault activity (2 of the 29 line renewals were deferred).

Asset Relocations

Expenditure on asset relocations was 100% below forecast (\$23k). Relocated assets expenditure forecasted was deferred due to resource availability.

Quality of supply

Quality of supply spending was 67% below forecast (\$1,619k). The Kuratau Feeder reconfiguration has been deferred while awaiting landowner consent. The Whakamaru area zone substation was also deferred.

Other reliability, safety and environment

Expenditure on other reliability, safety and environment was 81% below forecast (\$6.2m). A 5MVA Mobile Substation was originally intended to be purchased long with the TIL project, this has been deferred with the overall deferral of the TIL work to gain procurement synergies.

Forecasted Turangi Ground-mount Transformer projects have been deferred due to landowner consent delays.

Arohena substation upgrade has been deferred due to a transformer design issue to be resolved with the manufacturer.

The Whakapapa/Turoa work has been deferred by site access issues and lead time for components.

Non-network expenditure was 80% below forecast. This was due to:

- We forecast to spend \$1m on The Digital Utility Program. This project will integrate and enhance our core IT systems. As this is a significant IT project, investigative work has begun but no major spend occurred on systems in 2023.
- A building project to relocate staff from King street and Waitete depot into one building was forecasted in the AMP, this was deferred as work is done on the design of the building space.

Operational Expenditure

Total operational expenditure was 16% more than the forecast.

Network OPEX was 21% more than the forecast. Increased spend was seen across most network categories.

Service interruptions and emergencies

Service and interruptions and emergencies saw an increase of 71% compared to the AMP. Cyclone Gabrielle and other weather events during the year saw increased levels of interruption and emergency work.

Asset replacement and renewal

Asset replacement and renewal costs have decreased by 36% mainly due to significant weather-related fault events and the related labour resource constrain.

Non-network OPEX was up by 14% compared to the overall forecast. There has been a reallocation of metering data subscription charges between system operations and network support and business support costs. These costs were budgeted in business support in the AMP but reallocated in the actuals as a network systems support cost. If the figures were entered into the correct boxes, the variances would look like this.

Category	AMP (\$000)	Actual (\$000)	Variance %
System operations and network support	3,347	4,577	37%
Business support	5,139	5,064	(1%)

System operations and network support

System operations and network support have increased by 37% due to reduced capex spend driving a reduction in engineering labour recoveries (\$1m), also a greater spend on professional fees and independent contractors to supplement the network support staffing resources.

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 2022 to 31 March 2023, TLC's target revenue net of discounts was \$42.8m. Actual revenue was \$42.3m being 1% below the forecast.

Schedule 8 was prepared based on kWh quantities for the entire financial year based on retailer billing from 1 April 2022 to 31 March 2023.

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

A number of weather events like Cyclone Gabrielle contributed to an increased level of unplanned SAIDI and SAIFI, resulting in the regulatory limits being breached. These did impact services, interruptions and emergencies OPEX being over forecast by 71%.

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:

- Substations and transformers
- Plant & equipment
- Vehicles
- Buildings
- Office equipment

The sum insured of assets is \$122m (excluding buildings).

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

There have been no amendments to prior year numbers.

Company Name The Lines Company
For Year Ended 31 March 2023

Schedule 14a Mandatory Explanatory Notes on Forecast Information

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

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.
2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with 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 CY+1 in Schedule 11a are the same.

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

CY+2 4.00%
CY+3 3.12%
CY+4 2.11%
CY+5 onwards 2.14%

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 CY+1 in Schedule 11b are the same.

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

CY+2 4.00%
CY+3 3.12%
CY+4 2.11%
CY+5 onwards 2.14%

Company Name	<u>The Lines Company</u>
For Year Ended	<u>31 March 2023</u>

Schedule 15 Voluntary Explanatory Notes

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

1. This schedule enables EDBs to provide, should they wish to-
 - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;
 - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

Schedule 10

TLC uses the BASIX computer program which has a connectivity model for an interruption. The module connects various assets and then runs a calculation that produces the accurate downstream ICP count from any isolation points. The ICP counts are then used to calculate regulatory performance indicators. Customer numbers are transferred automatically from the billing system regularly. The BASIX data cleaning program has made interruption-related calculations more accurate and reliable than before. The company is reliant on third parties to notify it of interruptions 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 does not distinguish treatment of planned versus unplanned interruptions and uses boundary values based on 2004-2009 interruption data. As such, they are different to the metrics disclosed in the Default Price Quality Path (DPP) Compliance Statement RY2022.

Exemption related to Schedule 10 - Network reliability and note on director certification

On 26 May 2023, the Commerce Commission released a document [ID-Exemption-All-EDBs-Auditing-of-successive-interruptions-26-May-2023](#):

Information Disclosure exemption: Disclosure and auditing of reliability information within Schedule 10. The Commission granted all EDBs an exemption to facilitate completion and submission of the 2023 year-end disclosures. The exemption granted was:

10. By this notice, under clause 2.11.1(1) of the ID determination, the Commission is issuing an exemption to all EDBs for disclosure year 2023, subject to the condition stated in paragraph 11 of this letter, from:

10.1 the requirement that, in respect of Aurora's ADR and Schedule 10 of the ID Determination, the assurance report required by clause 2.8.1(1) of the ID Determination must take into account any issues arising out of an EDB's recording of SAIDI, SAIFI and number of interruptions due to successive interruptions.

11. This exemption is granted on the condition that for the 2023 disclosure year, EDBs must complete and disclose the following information under Schedule 15, as part of their disclosures under the ID Determination:

11.1 whether successive interruptions have been treated in the same way for the current disclosure year as they were for the previous disclosure year;

11.2 if successive interruptions were treated differently for the current disclosure year than they were for the previous disclosure year, provide an explanation of the nature of and reasons for the change; and

11.3 the process applied in recognising, or not recognising, successive interruptions following an initial outage.

The Lines Company Limited has continued to treat successive interruptions in the same way for the 2022 disclosure year as they were for the 2021 disclosure year:

- For interruptions with a duration of less than one minute, they are recorded but are not counted in TLC's disclosures;

Where an interruption is a successive interruption i.e. it is apparent that the same customer group has experienced a repeat interruption from the same initial cause, SAIFI values are set to zero for the successive interruption and are not counted.

Schedule 18 Certification for Year-end Disclosures

Clause 2.9.2

We, Bella Takiari-Brame and Michael Underhill, 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.
- 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.



Bella Takiari- Brame
Director



Michael Underhill
Director

31 August 2023



If you have a complaint, please call 0800 367 546 or email info@thelines.co.nz to access our free complaints process. If we cannot resolve your complaint, you can contact Utilities Disputes on 0800 22 33 40 or visit their website www.udl.co.nz. Utilities Disputes is a free and independent service for resolving complaints about utilities providers.



Independent Assurance Report

To the Directors of The Lines Company Limited and to the Commerce Commission on the disclosure information for the disclosure year ended 31 March 2023 as required by the Electricity Distribution Information Disclosure Determination 2012 (Consolidated 6 July 2023)

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

The Auditor-General is the auditor of the Company.

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

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

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

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

Qualified Opinion

In our opinion, except for the possible effect of the matter described in the Basis for Qualified Opinion section of our report, in all material respects:

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

Basis for Qualified opinion

As described in Box 1 of Schedule 15, there are inherent limitations in the ability of the Company to collect and record the network reliability information required to be disclosed in Schedules 10(i) to 10(iv). Consequently, there is no independent evidence available to support the completeness and



There are no practical audit procedures that we could adopt to independently confirm the accuracy of the ICP data used to record the number of ICPs affected and duration of the interruptions for the purposes of inclusion in the amounts relating to SAIDI and SAIFI outage statistics set out in Schedules 10(i) to 10(iv). Because of the potential effect of the limitations described above, we are unable to obtain sufficient appropriate evidence to confirm the accuracy of the data that forms the basis of the compilation of Schedules 10(i) to 10(iv).

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

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

Key Assurance Matters

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

Key Assurance Matter	How our procedures addressed the key assurance matter
<p>Regulatory asset base</p> <p>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 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.</p> <p>The RAB inputs, as set out in the IM Determination, 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.</p> <p>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.</p>	<p>We have obtained an understanding of the compliance requirements relevant to the RAB as set out in the Determination and the IM Determination.</p> <p>Our procedures over the regulatory asset base included the following:</p> <p>Assets commissioned</p> <ul style="list-style-type: none">• We considered the nature of 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 Determination, which are required to be removed from the RAB;• 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 Determination, which are required to be removed from the RAB;• 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 material reconciling items; and• We tested a sample of assets commissioned during the disclosure period for appropriate asset category classification.

Key Assurance Matter	How our procedures addressed the key assurance matter
	<p>Depreciation</p> <ul style="list-style-type: none"> • For assets with no standard asset lives we assessed the reasonableness of the lives used by reference to the accounting depreciation rates used in preparing the financial statements; • We have performed a reasonableness test to ensure regulatory depreciation expense is calculated in line with IM Determination clause 2.2.5; • We compared the spreadsheet formula utilised to calculate regulatory depreciation expense with IM Determination clause 2.2.5; and • We compared the standard asset lives by asset category to those set out in the IM Determination. <p>Revaluation</p> <ul style="list-style-type: none"> • We verified the spreadsheet formula utilised to calculate regulatory depreciation expense is in line with IM Determination clause 2.2.5; • We recalculated the revaluation rate set out in the IM Determination using the relevant Consumer Price Index indices taken from the Statistics New Zealand website; and • We tested the mathematical accuracy of the revaluation calculation performed by management. <p>Disposals</p> <ul style="list-style-type: none"> • We reconciled the disposals, as per the regulatory fixed asset register, to the asset disposals disclosed in the audited annual financial statements and investigated any material reconciling items; and • 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.

Cost and Asset Allocation

The Determination relates to information concerning the supply of electricity distribution services. In addition to the regulated supply of electricity, the Company also supplies customers with other unregulated services such as metering services.

As set out in schedules 5d, 5e, 5f and 5g, costs and asset values that relate to electricity distribution services regulated under the 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 IM Determination 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 statements.

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 Determination, as amended;
- 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 ensure their classification as either directly attributable or not directly attributable are appropriate and in line with the Determination, as amended, by inspecting the related invoice.

Appropriateness of the allocators used for not directly attributable costs and assets

- Considering the appropriateness of the cost and asset causal and proxy allocators used in applying the ABAA to not directly attributable costs including inspecting supporting documentation and recalculating proxy allocators;
- Understanding why causal relationships could not be identified in allocating some costs or assets and ensuring appropriate disclosure has been included outlining these in Schedule 14;
- Recalculating the split between not directly attributable costs and asset values allocated to electricity distribution services and non-electricity distribution services.



Directors' responsibilities

The Directors of the Company are responsible in accordance with the Determination for:

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

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

Auditor's responsibilities

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

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

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

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

Inherent limitations

Because of the inherent limitations of an assurance engagement, together with the internal control structure, it is possible that fraud, error or non-compliance with the Determination may occur and not be detected. A reasonable assurance engagement throughout the disclosure year does not provide assurance on whether compliance with the Determination will continue in the future.

Restricted use

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



Independence and quality control

We complied with the Auditor-General's:

- independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 issued by the New Zealand Auditing and Assurance Standards Board; and
- 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 and its subsidiaries on normal terms within the ordinary course of trading activities of the company. Other than any dealings on normal terms within the ordinary course of trading activities of the company, this engagement, the assurance engagement on the Default Price-Quality Path and the annual audit of the company's financial statements and performance information, we have no relationship with, or interests in, the Company and its subsidiaries.

A handwritten signature in black ink, appearing to read 'Philippa', with a stylized, flowing script.

Philippa Cameron
PricewaterhouseCoopers
On behalf of the Auditor-General
Auckland, New Zealand
31 August 2023