



**EDB Information Disclosure Requirements
Information Templates
for
Schedules 1–10**

Company Name	<input type="text" value="Marlborough Lines Limited"/>
Disclosure Date	<input type="text" value="25 August 2020"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2020"/>

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 21 December 2017

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Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Electricity Distribution Information Disclosure Determination 2012.

Company Name and Dates

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8, the date of the last day of the current (disclosure) year should be entered in cell C12, and the date on which the information is disclosed should be entered in cell C10 of the CoverSheet worksheet.

The cell C12 entry (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).

The cell C8 entry (company name) is used in the template title blocks.

Dates should be entered in day/month/year order (Example -"1 April 2013").

Data Entry Cells and Calculated Cells

Data entered into this workbook may be entered only into the data entry cells. Data entry cells are the bordered, unshaded areas (white cells) in each template. Under no circumstances should data be entered into the workbook outside a data entry cell.

In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell.

Validation Settings on Data Entry Cells

To maintain a consistency of format and to help guard against errors in data entry, some data entry cells test keyboard entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names, to values between 0% and 100%, or either a numeric entry or the text entry "N/A". Where this occurs, a validation message will appear when data is being entered. These checks are applied to keyboard entries only and not, for example, to entries made using Excel's copy and paste facility.

Conditional Formatting Settings on Data Entry Cells

Schedule 2 cells G79 and I79:L79 will change colour if the total cashflows do not equal the corresponding values in table 2(ii).

Schedule 4 cells P99:P105 and P107 will change colour if the RAB values do not equal the corresponding values in table 4(ii).

Schedule 9b columns AA to AE (2013 to 2017) contain conditional formatting. The data entry cells for future years are hidden (are changed from white to yellow).

Schedule 9b cells AG10 to AG60 will change colour if the total assets at year end for each asset class does not equal the corresponding values in column I in Schedule 9a.

Schedule 9c cell G30 will change colour if G30 (overhead circuit length by terrain) does not equal G18 (overhead circuit length by operating voltage).

Inserting Additional Rows and Columns

The templates for schedules 4, 5b, 5c, 5d, 5e, 6a, 8, 9d, and 9e may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar. Column A schedule references should not be entered in additional rows, and should be deleted from additional rows that are created by copying and pasting rows that have schedule references.

Additional rows in schedules 5c, 6a, and 9e must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.

Schedules 5d and 5e may require new cost or asset category rows to be inserted in allocation change tables 5d(iii) and 5e(ii). Accordingly, cell protection has been removed from rows 77 and 78 of the respective templates to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) are: Select Excel rows 69:77, copy, select Excel row 78, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:78, copy, select Excel row 79, then insert copied cells.

The template for schedule 8 may require additional columns to be inserted between column P and U. To avoid interfering with the title block entries, these should be inserted to the left of column S. If inserting additional columns, the formulas for standard consumers total, non-standard consumers totals and total for all consumers will need to be copied into the cells of the added columns. The formulas can be found in the equivalent cells of the existing columns.

Disclosures by Sub-Network

If the supplier has sub-networks, schedules 8, 9a, 9b, 9c, 9e, and 10 must be completed for the network and for each sub-network. A copy of the schedule worksheet(s) must be made for each sub-network and named accordingly.

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 21 December 2017). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

Calculation cell formulas contain links to other cells within the same template or elsewhere in the workbook. Key cell references are described in a column to the right of each template. These descriptions are provided to assist data entry. Cell references refer to the row of the template and not the schedule reference.

Worksheet Completion Sequence

Calculation cells may show an incorrect value until precedent cell entries have been completed. Data entry may be assisted by completing the schedules in the following order:

1. Coversheet
2. Schedules 5a–5e
3. Schedules 6a–6b
4. Schedule 8
5. Schedule 3
6. Schedule 4
7. Schedule 2
8. Schedule 7
9. Schedules 9a–9e
10. Schedule 10

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7 1(i): Expenditure metrics

	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	41,810	636	220,898	4,817	47,977
Network	19,591	298	103,508	2,257	22,481
Non-network	22,219	338	117,390	2,560	25,496
Expenditure on assets	30,945	471	163,496	3,566	35,510
Network	25,974	395	137,231	2,993	29,805
Non-network	4,971	76	26,265	573	5,704

17 1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	96,716	1,471
Standard consumer line charge revenue	96,538	1,468
Non-standard consumer line charge revenue	-	-

23 1(iii): Service intensity measures

Demand density	22	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	115	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	8	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	15,206	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	16,437	42.35%
Pass-through and recoverable costs excluding financial incentives and wash-ups	7,897	20.35%
Total depreciation	10,098	26.02%
Total revaluations	5,656	14.57%
Regulatory tax allowance	1,663	4.28%
Regulatory profit/(loss) including financial incentives and wash-ups	8,376	21.58%
Total regulatory income	38,815	

40 1(v): Reliability

Interruption rate	23.48	Interruptions per 100 circuit km
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Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

sch ref

2(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 18	31 Mar 19	31 Mar 20
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	1.64%	2.44%	3.30%
10	Excluding revenue earned from financial incentives	1.64%	2.44%	3.30%
11	Excluding revenue earned from financial incentives and wash-ups	1.64%	2.44%	3.30%
12				
13				
14	Mid-point estimate of post tax WACC	5.04%	4.75%	4.27%
15	25th percentile estimate	4.36%	4.07%	3.59%
16	75th percentile estimate	5.72%	5.43%	4.95%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	2.24%	2.95%	3.72%
21	Excluding revenue earned from financial incentives	2.24%	2.95%	3.72%
22	Excluding revenue earned from financial incentives and wash-ups	2.24%	2.95%	3.72%
23				
24	WACC rate used to set regulatory price path	n/a	n/a	n/a
25				
26	Mid-point estimate of vanilla WACC	5.60%	5.26%	4.69%
27	25th percentile estimate	4.92%	4.58%	4.01%
28	75th percentile estimate	6.29%	5.94%	5.37%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	224,288		
33	plus Opening deferred tax	(4,076)		
34	Opening RIV		220,212	
35				
36	Line charge revenue		38,023	
37				
38	Expenses cash outflow	24,334		
39	add Assets commissioned	17,188		
40	less Asset disposals	1,048		
41	add Tax payments	1,046		
42	less Other regulated income	792		
43	Mid-year net cash outflows		40,728	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	235,986		
48	less Adjustment resulting from asset allocation	(0)		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(4,693)		
51	Closing RIV		231,293	
52				
53	ROI – comparable to a vanilla WACC			3.72%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			3.61%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			3.30%
60				

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

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).

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

sch ref

2(iii): Information Supporting the Monthly ROI

61								
62								
63	Opening RIV							N/A
64								
65								
66		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows	
67	April							-
68	May							-
69	June							-
70	July							-
71	August							-
72	September							-
73	October							-
74	November							-
75	December							-
76	January							-
77	February							-
78	March							-
79	Total	-	-	-	-	-	-	-
80								
81	Tax payments							N/A
82								
83	Term credit spread differential allowance							N/A
84								
85	Closing RIV							N/A
86								
87								
88	Monthly ROI – comparable to a vanilla WACC							N/A
89								
90	Monthly ROI – comparable to a post tax WACC							N/A
91								

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

92			
93			
94	Year-end ROI – comparable to a vanilla WACC		3.66%
95			
96	Year-end ROI – comparable to a post tax WACC		3.24%
97			
98	* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.		
99			

2(v): Financial Incentives and Wash-Ups

101			
102	Net recoverable costs allowed under incremental rolling incentive scheme		-
103	Purchased assets – avoided transmission charge		-
104	Energy efficiency and demand incentive allowance		-
105	Quality incentive adjustment		-
106	Other financial incentives		-
107	Financial incentives		-
108			
109	Impact of financial incentives on ROI		-
110			
111	Input methodology claw-back		-
112	CPP application recoverable costs		-
113	Catastrophic event allowance		-
114	Capex wash-up adjustment		-
115	Transmission asset wash-up adjustment		-
116	2013–15 NPV wash-up allowance		-
117	Reconsideration event allowance		-
118	Other wash-ups		-
119	Wash-up costs		-
120			
121	Impact of wash-up costs on ROI		-

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

		(\$000)
7	3(i): Regulatory Profit	
8	Income	
9	Line charge revenue	38,023
10	plus Gains / (losses) on asset disposals	79
11	plus Other regulated income (other than gains / (losses) on asset disposals)	713
12		
13	Total regulatory income	38,815
14	Expenses	
15	less Operational expenditure	16,437
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	7,897
18		
19	Operating surplus / (deficit)	14,481
20		
21	less Total depreciation	10,098
22		
23	plus Total revaluations	5,656
24		
25	Regulatory profit / (loss) before tax	10,039
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	1,663
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	8,376
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	76
36	Commerce Act levies	25
37	Industry levies	83
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	7,234
41	Transpower new investment contract charges	433
42	System operator services	-
43	Distributed generation allowance	46
44	Extended reserves allowance	-
45	Other recoverable costs excluding financial incentives and wash-ups	-
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	7,897
47		

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

		(\$000)	
		CY-1	CY
		31 Mar 19	31 Mar 20
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56			
57	CY-5 31 Mar 15		
58	CY-4 31 Mar 16		
59	CY-3 31 Mar 17		
60	CY-2 31 Mar 18		
61	CY-1 31 Mar 19		
62	Net incremental rolling incentive scheme		-
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		-
65	3(iv): Merger and Acquisition Expenditure		
70			(\$000)
66	Merger and acquisition expenditure		-
67			
68	<i>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)</i>		
69	3(v): Other Disclosures		
70			(\$000)
71	Self-insurance allowance		-

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

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

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

sch ref

4(i): Regulatory Asset Base Value (Rolled Forward)		for year ended				
		RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)
	Total opening RAB value	217,515	221,244	222,062	222,453	224,288
	less Total depreciation	9,495	10,075	9,804	9,932	10,098
	plus Total revaluations	1,276	4,794	2,443	3,291	5,656
	plus Assets commissioned	12,329	6,868	8,949	9,297	17,188
	less Asset disposals	381	769	1,197	821	1,048
	plus Lost and found assets adjustment	-	-	-	-	-
	plus Adjustment resulting from asset allocation	-	-	-	-	(0)
	Total closing RAB value	221,244	222,062	222,453	224,288	235,986

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		224,288		224,288
	less Total depreciation		10,098		10,098
	plus Total revaluations		5,656		5,656
	plus Assets commissioned (other than below)	17,188		17,188	
	Assets acquired from a regulated supplier	-		-	
	Assets acquired from a related party	-		-	
	Assets commissioned		17,188		17,188
	less Asset disposals (other than below)	1,048		1,048	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		1,048		1,048
	plus Lost and found assets adjustment		-		-
	plus Adjustment resulting from asset allocation				(0)
	Total closing RAB value		235,986		235,986

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

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

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

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

sch ref

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

CPI _t	1,052
CPI _{t-4}	1,026
Revaluation rate (%)	2.53%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	224,288		224,288	
less Opening value of fully depreciated, disposed and lost assets	1,088		1,088	
Total opening RAB value subject to revaluation	223,199		223,199	
Total revaluations		5,656		5,656

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		8,996		8,996
plus Capital expenditure	12,083		12,083	
less Assets commissioned	17,188		17,188	
plus Adjustment resulting from asset allocation			-	
Works under construction - current disclosure year		3,891		3,892

Highest rate of capitalised finance applied -

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

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

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

sch ref

76 **4(v): Regulatory Depreciation**

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
79 Depreciation - standard	10,098		10,098	
80 Depreciation - no standard life assets	-		-	
81 Depreciation - modified life assets	-		-	
82 Depreciation - alternative depreciation in accordance with CPP	-		-	
83 Total depreciation		10,098		10,098

85 **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

96 **4(vii): Disclosure by Asset Category**

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99 Total opening RAB value	23,213	8,727	39,033	48,252	43,675	22,470	15,912	7,670	15,337	224,288
100 <i>less</i> Total depreciation	720	225	1,107	2,140	1,483	1,020	868	573	1,961	10,098
101 <i>plus</i> Total revaluations	586	221	982	1,219	1,104	567	395	194	388	5,656
102 <i>plus</i> Assets commissioned	1,716	1,404	7,312	1,284	2,019	1,034	559	71	1,788	17,188
103 <i>less</i> Asset disposals	74	-	255	150	117	104	312	-	35	1,048
104 <i>plus</i> Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
105 <i>plus</i> Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	-	-
106 <i>plus</i> Asset category transfers	-	-	-	-	-	-	-	-	-	-
107 Total closing RAB value	24,720	10,127	45,965	48,465	45,198	22,946	15,686	7,362	15,517	235,986
109 Asset Life										
110 Weighted average remaining asset life	45.9	43.3	35.4	39.4	35.4	27.8	25.5	14.0	13.4	(years)
111 Weighted average expected total asset life	58.7	54.1	44.6	57.5	50.6	45.2	39.4	18.9	25.1	(years)

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

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

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		10,039
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	-	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	73	*
12	Amortisation of initial differences in asset values	3,395	
13	Amortisation of revaluations	1,368	
14			4,836
15			
16	<i>less</i> Total revaluations	5,656	
17	Income included in regulatory profit / (loss) before tax but not taxable	-	*
18	Discretionary discounts and customer rebates	-	*
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	-	*
20	Notional deductible interest	3,280	
21			8,936
22			
23	Regulatory taxable income		5,939
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		5,939
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		1,663

* 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)

36	Opening unamortised initial differences in asset values	96,078	
37	<i>less</i> Amortisation of initial differences in asset values	3,395	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired	-	
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	658	
40	Closing unamortised initial differences in asset values		92,025
41			
42	Opening weighted average remaining useful life of relevant assets (years)		28
43			

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 1.4.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	204,916	
47			
48	Adjusted depreciation	8,730	
49	Total depreciation	10,098	
50	Amortisation of revaluations		1,368
51			
52	5a(v): Reconciliation of Tax Losses		(\$000)
53			
54	Opening tax losses	-	
55	plus Current period tax losses	-	
56	less Utilised tax losses	-	
57	Closing tax losses		-
58	5a(vi): Calculation of Deferred Tax Balance		(\$000)
59			
60	Opening deferred tax	(4,076)	
61			
62	plus Tax effect of adjusted depreciation	2,444	
63			
64	less Tax effect of tax depreciation	2,038	
65			
66	plus Tax effect of other temporary differences*	(353)	
67			
68	less Tax effect of amortisation of initial differences in asset values	951	
69			
70	plus Deferred tax balance relating to assets acquired in the disclosure year	-	
71			
72	less Deferred tax balance relating to assets disposed in the disclosure year	(281)	
73			
74	plus Deferred tax cost allocation adjustment	0	
75			
76	Closing deferred tax		(4,693)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<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>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		
82			(\$000)
83	Opening sum of regulatory tax asset values	79,275	
84	less Tax depreciation	7,280	
85	plus Regulatory tax asset value of assets commissioned	15,721	
86	less Regulatory tax asset value of asset disposals	45	
87	plus Lost and found assets adjustment	-	
88	plus Adjustment resulting from asset allocation	-	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		87,671

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

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

sch ref

5b(i): Summary—Related Party Transactions		(\$000)	(\$000)
7	Total regulatory income		–
8			
9			
10	Market value of asset disposals		–
11			
12	Service interruptions and emergencies	–	
13	Vegetation management	–	
14	Routine and corrective maintenance and inspection	44	
15	Asset replacement and renewal (opex)	–	
16	Network opex		44
17	Business support	172	
18	System operations and network support	1	
19	Operational expenditure		217
20	Consumer connection	–	
21	System growth	–	
22	Asset replacement and renewal (capex)	–	
23	Asset relocations	–	
24	Quality of supply	–	
25	Legislative and regulatory	–	
26	Other reliability, safety and environment	2	
27	Expenditure on non-network assets		–
28	Expenditure on assets		2
29	Cost of financing	–	
30	Value of capital contributions	–	
31	Value of vested assets	–	
32	Capital Expenditure		2
33	Total expenditure		219
34			
35	Other related party transactions		–

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

Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
Cuddon Ltd (Common director)	Business support	24
Cuddon Ltd (Common director)	Routine and corrective maintenance and inspection	16
Yealands Estate Wines Ltd (Subsidiary)	Business support	14
Precast Systems (Common director)	Routine and corrective maintenance and inspection	24
director)	Business support	7
Dew and Company Ltd (Common Director)	System operations and network support	1
Scaffold Marlborough Ltd (Common director)	Other reliability, safety and environment	2
Construction Coatings (Common director)	Business support	127
Construction Coatings (Common director)	Routine and corrective maintenance and inspection	4
We have not repeated the Key Management		
Personal disclosures from the 30 June		
financial statements in these disclosures.		
Total value of related party transactions		219

* include additional rows if needed

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

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

sch ref

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

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

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

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

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		1,043			
12	Not directly attributable		157		157	
13	Total attributable to regulated service		1,200			
14	Vegetation management					
15	Directly attributable		2,088			
16	Not directly attributable		252		252	
17	Total attributable to regulated service		2,340			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		3,441			
20	Not directly attributable		376		376	
21	Total attributable to regulated service		3,817			
22	Asset replacement and renewal					
23	Directly attributable		316			
24	Not directly attributable		29		29	
25	Total attributable to regulated service		345			
26	System operations and network support					
27	Directly attributable		4,126			
28	Not directly attributable		181		181	
29	Total attributable to regulated service		4,307			
30	Business support					
31	Directly attributable		4,428			
32	Not directly attributable				-	
33	Total attributable to regulated service		4,428			
34						
35	Operating costs directly attributable		15,442			
36	Operating costs not directly attributable	-	995	-	995	-
37	Operational expenditure		16,437			
38						

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

39 5d(ii): Other Cost Allocations

	(\$000)
40 Pass through and recoverable costs	
41 Pass through costs	
42 Directly attributable	184
43 Not directly attributable	
44 Total attributable to regulated service	184
45 Recoverable costs	
46 Directly attributable	7,713
47 Not directly attributable	
48 Total attributable to regulated service	7,713

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

		(\$000)	
		CY-1	Current Year (CY)
52 Change in cost allocation 1			
53 Cost category			
54 Original allocator or line items			
55 New allocator or line items			
		-	-
56 Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
62 Change in cost allocation 2			
63 Cost category			
64 Original allocator or line items			
65 New allocator or line items			
		-	-
66 Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
72 Change in cost allocation 3			
73 Cost category			
74 Original allocator or line items			
75 New allocator or line items			
		-	-
76 Rationale for change			

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

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

5e(i): Regulated Service Asset Values

	Value allocated (\$000s)
Electricity distribution services	
Subtransmission lines	
Directly attributable	24,720
Not directly attributable	-
Total attributable to regulated service	24,720
Subtransmission cables	
Directly attributable	10,127
Not directly attributable	-
Total attributable to regulated service	10,127
Zone substations	
Directly attributable	45,965
Not directly attributable	-
Total attributable to regulated service	45,965
Distribution and LV lines	
Directly attributable	48,465
Not directly attributable	-
Total attributable to regulated service	48,465
Distribution and LV cables	
Directly attributable	45,198
Not directly attributable	-
Total attributable to regulated service	45,198
Distribution substations and transformers	
Directly attributable	22,946
Not directly attributable	-
Total attributable to regulated service	22,946
Distribution switchgear	
Directly attributable	15,686
Not directly attributable	-
Total attributable to regulated service	15,686
Other network assets	
Directly attributable	7,362
Not directly attributable	-
Total attributable to regulated service	7,362
Non-network assets	
Directly attributable	15,517
Not directly attributable	-
Total attributable to regulated service	15,517
Regulated service asset value directly attributable	235,986
Regulated service asset value not directly attributable	-
Total closing RAB value	235,986

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 compone
 † include additional rows if needed

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

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

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

sch ref

		(\$000)	(\$000)
7	6a(i): Expenditure on Assets		
8	Consumer connection		72
9	System growth		689
10	Asset replacement and renewal		6,428
11	Asset relocations		127
12	Reliability, safety and environment:		
13	Quality of supply	1,318	
14	Legislative and regulatory	-	
15	Other reliability, safety and environment	1,577	
16	Total reliability, safety and environment		2,896
17	Expenditure on network assets		10,211
18	Expenditure on non-network assets		1,954
19			
20	Expenditure on assets		12,166
21	plus Cost of financing		-
22	less Value of capital contributions		82
23	plus Value of vested assets		-
24			
25	Capital expenditure		12,083
26	6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		-
28	Overhead to underground conversion		-
29	Research and development		-
30	6a(iii): Consumer Connection		
31	<i>Consumer types defined by EDB*</i>	(\$000)	(\$000)
32	Residential	72	
33			
34			
35			
36			
37	<i>* include additional rows if needed</i>		
38	Consumer connection expenditure		72
39			
40	less Capital contributions funding consumer connection expenditure	-	
41	Consumer connection less capital contributions		72
42	6a(iv): System Growth and Asset Replacement and Renewal		
43		System Growth	Asset Replacement and Renewal
44		(\$000)	(\$000)
45	Subtransmission	-	1,430
46	Zone substations	-	1,518
47	Distribution and LV lines	-	1,828
48	Distribution and LV cables	-	829
49	Distribution substations and transformers	689	401
50	Distribution switchgear	-	385
51	Other network assets	-	37
52	System growth and asset replacement and renewal expenditure	689	6,428
53	less Capital contributions funding system growth and asset replacement and renewal	-	-
54	System growth and asset replacement and renewal less capital contributions	689	6,428
55			
56	6a(v): Asset Relocations		
57	<i>Project or programme*</i>	(\$000)	(\$000)
58	Roading	(0)	
59	Other	127	
60			
61			
62			
63	<i>* include additional rows if needed</i>		
64	All other projects or programmes - asset relocations	-	
65	Asset relocations expenditure		127
66	less Capital contributions funding asset relocations	82	
67	Asset relocations less capital contributions		45

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

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

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

sch ref

68				
69	6a(vi): Quality of Supply			
70	Project or programme*	(\$000)	(\$000)	
71	SCADA	64		
72	Network Automation	359		
73	Generators	-		
74	Digital Radio Network	137		
75				
76	* include additional rows if needed			
77	All other projects programmes - quality of supply	758		
78	Quality of supply expenditure		1,318	
79	less Capital contributions funding quality of supply	-		
80	Quality of supply less capital contributions		1,318	
81	6a(vii): Legislative and Regulatory			
82	Project or programme*	(\$000)	(\$000)	
83	n/a	-		
84				
85				
86				
87				
88	* include additional rows if needed			
89	All other projects or programmes - legislative and regulatory	-		
90	Legislative and regulatory expenditure		-	
91	less Capital contributions funding legislative and regulatory	-		
92	Legislative and regulatory less capital contributions		-	
93	6a(viii): Other Reliability, Safety and Environment			
94	Project or programme*	(\$000)	(\$000)	
95	Earthing (NERs and Resonant)	145		
96	Tee Joint Removal	78		
97				
98				
99				
100	* include additional rows if needed			
101	All other projects or programmes - other reliability, safety and environment	1,354		
102	Other reliability, safety and environment expenditure		1,577	
103	less Capital contributions funding other reliability, safety and environment	-		
104	Other reliability, safety and environment less capital contributions		1,577	
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	Project or programme*	(\$000)	(\$000)	
109	Test Equipment	61		
110	Plant and Tools	156		
111	Vehicles	1,054		
	Radio Equipment	1		
	Office Furniture & Equipment	28		
	Land and Buildings	221		
112	IT Computers	328		
113	Software	105		
114	* include additional rows if needed			
115	All other projects or programmes - routine expenditure	-		
116	Routine expenditure		1,954	
117	Atypical expenditure			
118	Project or programme*	(\$000)	(\$000)	
119	n/a	-		
120				
121				
122				
123				
124	* include additional rows if needed			
125	All other projects or programmes - atypical expenditure	-		
126	Atypical expenditure		-	
127				
128	Expenditure on non-network assets		1,954	

Company Name

Marlborough Lines Limited

For Year Ended

31 March 2020

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

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

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

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

sch ref

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

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

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

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

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	1,200	
9	Vegetation management	2,340	
10	Routine and corrective maintenance and inspection	3,817	
11	Asset replacement and renewal	345	
12	Network opex		7,702
13	System operations and network support	4,307	
14	Business support	4,428	
15	Non-network opex		8,735
16			
17	Operational expenditure		16,437
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		N/A
20	Direct billing*		N/A
21	Research and development		N/A
22	Insurance		373
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2020

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

7(i): Revenue		Target (\$000) ¹	Actual (\$000)	% variance
7				
8	Line charge revenue	37,028	38,023	3%
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
9				
10	Consumer connection	101	72	(29%)
11	System growth	101	689	582%
12	Asset replacement and renewal	8,111	6,428	(21%)
13	Asset relocations	254	127	(50%)
14	Reliability, safety and environment:			
15	Quality of supply	609	1,318	116%
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	1,065	1,577	48%
18	Total reliability, safety and environment	1,674	2,896	73%
19	Expenditure on network assets	10,241	10,211	(0%)
20	Expenditure on non-network assets	1,471	1,954	33%
21	Expenditure on assets	11,712	12,166	4%
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	1,015	1,200	18%
24	Vegetation management	2,029	2,340	15%
25	Routine and corrective maintenance and inspection	2,841	3,817	34%
26	Asset replacement and renewal	710	345	(51%)
27	Network opex	6,595	7,702	17%
28	System operations and network support	4,312	4,307	(0%)
29	Business support	4,160	4,428	6%
30	Non-network opex	8,472	8,735	3%
31	Operational expenditure	15,067	16,437	9%
7(iv): Subcomponents of Expenditure on Assets (where known)				
32				
33	Energy efficiency and demand side management, reduction of energy losses	–	–	–
34	Overhead to underground conversion	–	–	–
35	Research and development	–	–	–
36				
7(v): Subcomponents of Operational Expenditure (where known)				
37				
38	Energy efficiency and demand side management, reduction of energy losses	N/A	N/A	–
39	Direct billing	N/A	N/A	–
40	Research and development	N/A	N/A	–
41	Insurance	360	373	4%

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)

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2020
Network / Sub-Network Name	

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

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8(j): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or type (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Billed quantities by price component										
						10,23,31,40,11 uncontrolled	12,16,22 13hr controlled	17,18,28 8hr controlled	00 Embedded generation	20,30 20hr controlled	51,61 Day	50,62 Night	96 Summer	97 Winter	80 Streetlights	98 ML Consumption
kWh						kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
DS, DSNL, DT, DL	Residential	Standard	21,972	151,772		110,212	36,739	3,228	1,592	-	-	-	-	-	-	-
NS, NH, NT, RT, RV, RX	General	Standard	3,310	80,394		77,332	1,854	190	-	120	-	-	-	-	-	897
BF, BHM, BHC	Commercial and industrial	Standard	123	140,725		-	-	-	-	-	101,413	39,312	-	-	-	-
PML, PK, PH	Irrigation	Standard	348	18,924		-	-	-	-	-	-	-	18,924	-	-	-
MOCF, PMFC, RNZAF, PSLT1	Streetlighting	Standard	103	1,322		-	-	-	-	-	-	-	-	-	1,322	-
Add extra rows for additional consumer groups or price category codes as necessary																
Standard consumer totals						187,545	38,594	3,418	1,592	120	101,413	39,312	18,924	-	1,322	897
Non-standard consumer totals						-	-	-	-	-	-	-	-	-	-	-
Total for all consumers						187,545	38,594	3,418	1,592	120	101,413	39,312	18,924	-	1,322	897

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**
 Network / Sub-Network Name

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

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

Consumer group name or price category code	Consumer type or types (eg. residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg. \$ per day, \$ per kWh, etc.)	Line charge revenues (\$000) by price component														
								10,23,31,40,11 uncontrolled	12,16,22 13hr controlled	17,18,28 8hr controlled	00 Embedded generation	20,30 20hr controlled	51,61 Day	50,62 Night	96 Summer	97 Winter	80 Streetlights	Fixed Charge	ALAMAH Capacity	WL,WL,WH RPD		
DS, DSNL, DT, DL	Residential	Standard	\$16,953	\$3,582	\$16,953			\$8,967	\$2,024	\$95	-	-	-	-	-	-	-	-	-	\$5,866	-	-
NS, NH, NT, RT, RV, RX	Commercial	Standard	\$9,180	\$1,989	\$9,180			\$4,676	\$75	\$3	-	\$7	-	-	-	-	-	-	-	\$4,419	-	-
BF, BHM, BHC	Commercial	Standard	\$10,115	\$2,604	\$10,115			-	-	-	-	-	\$1,942	\$145	-	-	-	-	-	\$425	\$5,481	\$2,121
PM, PK, PH	Irrigation	Standard	\$1,489	\$282	\$1,489			-	-	-	-	-	-	\$550	-	-	-	-	-	\$899	-	-
MODFC, PMFC, RNDZF, PSLT1	Streetlighting, unmetred, etc.	Standard	\$216	\$43	\$216			-	-	-	-	-	-	-	-	-	-	-	\$11	\$205	-	-
DG	Generation	Standard	\$0	-	\$0			-	-	\$0	-	-	-	-	-	-	-	-	-	-	-	-
Waihopai	Generation	Non-standard	\$70	-	\$70			-	-	-	-	-	-	-	-	-	-	-	-	\$70	-	-
			-	-																		
			-	-																		
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>																						
Standard consumer totals			\$37,953	\$8,500	\$37,953	-		\$13,643	\$2,099	\$99	\$0	\$7								\$11,854	\$5,481	\$2,121
Non-standard consumer totals			\$70	-	\$70	-		-	-	-	-	-								\$70	-	-
Total for all consumers			\$38,023	\$8,500	\$38,023	-		\$13,643	\$2,099	\$99	\$0	\$7								\$11,924	\$5,481	\$2,121

8(iii): Number of ICPs directly billed
 Number of directly billed ICPs at year end

Check

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2020
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

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

sch ref

					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.	18,065	19,911	1,846	3
10	All	Overhead Line	Wood poles	No.	10,594	10,541	(53)	3
11	All	Overhead Line	Other pole types	No.	2,100	309	(1,791)	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	276	278	2	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	23	25	2	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.	16	17	1	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.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	69	59	(10)	3
29	HV	Zone substation switchgear	33kV RMU	No.	1	1	-	3
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	82	94	12	3
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	21	16	(5)	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	106	109	3	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	12	12	-	3
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	31	31	-	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,584	1,596	12	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	2	2	(0)	3
37	HV	Distribution Line	SWER conductor	km	537	540	3	3
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	180	187	7	3
39	HV	Distribution Cable	Distribution UG PILC	km	10	10	(0)	3
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.	98	103	5	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	22	21	(1)	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2,416	2,432	16	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	21	56	35	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	216	165	(51)	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,502	3,500	(2)	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	496	509	13	3
48	HV	Distribution Transformer	Voltage regulators	No.	28	28	-	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
50	LV	LV Line	LV OH Conductor	km	420	414	(6)	2
51	LV	LV Cable	LV UG Cable	km	329	360	31	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	62	68	6	3
53	LV	Connections	OH/UG consumer service connections	No.	25,730	25,968	238	3
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	128	146	18	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
56	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	N/A
57	All	Load Control	Centralised plant	Lot	3	3	-	3
58	All	Load Control	Relays	No.	-	-	-	N/A
59	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name **Marlborough Lines Limited**

For Year Ended **31 March 2020**

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	278	25
14	SWER (all SWER voltages)	540	
15	22kV (other than SWER)		
16	6.6kV to 11kV (inclusive—other than SWER)	1,598	197
17	Low voltage (< 1kV)	414	360
18	Total circuit length (for supply)	2,830	582
19			
20	Dedicated street lighting circuit length (km)		68
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			
23	Overhead circuit length by terrain (at year end)	(% of total circuit length)	
24	Urban	333	12%
25	Rural	865	31%
26	Remote only		
27	Rugged only	782	28%
28	Remote and rugged	850	30%
29	Unallocated overhead lines		
30	Total overhead length	2,830	100%
31			
32		(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	2,489	73%
34		(% of total overhead length)	
35	Overhead circuit requiring vegetation management	2,830	100%

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2020**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9	n/a	n/a	n/a
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 **Marlborough Lines Limited**

For Year Ended **31 March 2020**

Network / Sub-network Name

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

Residential
General (small business)
Commercial and Industrial
Irrigation
Other

* include additional rows if needed

Number of connections (ICPs)

202
32
6
(2)
-

Connections total

238

Distributed generation

Number of connections made in year

158

connections

Capacity of distributed generation installed in year

0.94

MVA

9e(ii): System Demand

Maximum coincident system demand

GXP demand

74.0

plus Distributed generation output at HV and above

0.4

Maximum coincident system demand

74

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

-

Demand on system for supply to consumers' connection points

74

Demand at time of maximum coincident demand (MW)

Electricity volumes carried

Electricity supplied from GXPs

396.50

less Electricity exports to GXPs

-

plus Electricity supplied from distributed generation

15.46

less Net electricity supplied to (from) other EDBs

-

Electricity entering system for supply to consumers' connection points

412

less Total energy delivered to ICPs

393

Electricity losses (loss ratio)

19

4.6%

Load factor

0.63

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

342.6

Distribution transformer capacity (Non-EDB owned, estimated)

18.8

Total distribution transformer capacity

361

(MVA)

Zone substation transformer capacity

338.0

Company Name **Marlborough Lines Limited**

For Year Ended **31 March 2020**

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8 10(i): Interruptions

9 Interruptions by class

	Number of interruptions
10 Class A (planned interruptions by Transpower)	-
11 Class B (planned interruptions on the network)	326
12 Class C (unplanned interruptions on the network)	475
13 Class D (unplanned interruptions by Transpower)	-
14 Class E (unplanned interruptions of EDB owned generation)	-
15 Class F (unplanned interruptions of generation owned by others)	-
16 Class G (unplanned interruptions caused by another disclosing entity)	-
17 Class H (planned interruptions caused by another disclosing entity)	-
18 Class I (interruptions caused by parties not included above)	-
19 Total	801

21 Interruption restoration

	≤3Hrs	>3hrs
22 Class C interruptions restored within	316	159

24 SAIFI and SAIDI by class

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	-	-
26 Class B (planned interruptions on the network)	0.40	56.1
27 Class C (unplanned interruptions on the network)	1.44	118.0
28 Class D (unplanned interruptions by Transpower)	-	-
29 Class E (unplanned interruptions of EDB owned generation)	-	-
30 Class F (unplanned interruptions of generation owned by others)	-	-
31 Class G (unplanned interruptions caused by another disclosing entity)	-	-
32 Class H (planned interruptions caused by another disclosing entity)	-	-
33 Class I (interruptions caused by parties not included above)	-	-
34 Total	1.84	174.1

36 Normalised SAIFI and SAIDI

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	1.84	174.1

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2020
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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

Cause	SAIFI	SAIDI
Lightning	0.04	29.1
Vegetation	0.03	12.1
Adverse weather	0.07	3.8
Adverse environment	–	–
Third party interference	0.37	24.8
Wildlife	0.23	9.7
Human error	0.01	0.3
Defective equipment	0.51	28.3
Cause unknown	0.17	10.0

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	–	–
Subtransmission cables	–	–
Subtransmission other	0.01	2.5
Distribution lines (excluding LV)	0.01	0.8
Distribution cables (excluding LV)	0.00	0.4
Distribution other (excluding LV)	0.38	52.4

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.17	5.2
Subtransmission cables	0.01	0.7
Subtransmission other	0.06	0.1
Distribution lines (excluding LV)	0.74	79.0
Distribution cables (excluding LV)	0.06	4.7
Distribution other (excluding LV)	0.40	28.2

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	2	278	0.72
Subtransmission cables	1	25	3.93
Subtransmission other	1		
Distribution lines (excluding LV)	390	2,137	18.25
Distribution cables (excluding LV)	7	197	3.55
Distribution other (excluding LV)	74		
Total	475		