



**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="29 August 2018"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2018"/>

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 24 March 2015

Table of Contents

Schedule	Schedule name
1	<u>ANALYTICAL RATIOS</u>
2	<u>REPORT ON RETURN ON INVESTMENT</u>
3	<u>REPORT ON REGULATORY PROFIT</u>
4	<u>REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)</u>
5a	<u>REPORT ON REGULATORY TAX ALLOWANCE</u>
5b	<u>REPORT ON RELATED PARTY TRANSACTIONS</u>
5c	<u>REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE</u>
5d	<u>REPORT ON COST ALLOCATIONS</u>
5e	<u>REPORT ON ASSET ALLOCATIONS</u>
6a	<u>REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR</u>
6b	<u>REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR</u>
7	<u>COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE</u>
8	<u>REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES</u>
9a	<u>ASSET REGISTER</u>
9b	<u>ASSET AGE PROFILE</u>
9c	<u>REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES</u>
9d	<u>REPORT ON EMBEDDED NETWORKS</u>
9e	<u>REPORT ON NETWORK DEMAND</u>
10	<u>REPORT ON NETWORK RELIABILITY</u>

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 24 March 2015). 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 2018**

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)
8						
9	Operational expenditure	39,494	589	203,944	4,418	46,303
10	Network	17,354	259	89,617	1,941	20,347
11	Non-network	22,139	330	114,326	2,476	25,957
12						
13	Expenditure on assets	30,419	454	157,083	3,403	35,664
14	Network	26,545	396	137,079	2,969	31,122
15	Non-network	3,874	58	20,004	433	4,542
16						
17	1(ii): Revenue metrics					
18		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)			
19	Total consumer line charge revenue	94,804	1,415			
20	Standard consumer line charge revenue	94,623	1,412			
21	Non-standard consumer line charge revenue	–	–			
22						
23	1(iii): Service intensity measures					
24						
25	Demand density	22				Maximum coincident system demand per km of circuit length (for supply) (kW/km)
26	Volume density	112				Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
27	Connection point density	7				Average number of ICPs per km of circuit length (for supply) (ICPs/km)
28	Energy intensity	14,924				Total energy delivered to ICPs per average number of ICPs (kWh/ICP)
29						
30	1(iv): Composition of regulatory income					
31						
32						
33						
34						
35						
36						
37						
38						
39						
40	1(v): Reliability					
41						
42	Interruption rate		19.17			Interruptions per 100 circuit km

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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 16	31 Mar 17	31 Mar 18
		%	%	%
10	ROI – comparable to a post tax WACC			
11	Reflecting all revenue earned	1.74%	2.09%	1.64%
12	Excluding revenue earned from financial incentives	1.74%	2.09%	1.64%
13	Excluding revenue earned from financial incentives and wash-ups	1.74%	2.09%	1.64%
14	Mid-point estimate of post tax WACC	5.37%	4.77%	5.04%
15	25th percentile estimate	4.66%	4.05%	4.36%
16	75th percentile estimate	6.09%	5.48%	5.72%
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	2.38%	2.63%	2.24%
21	Excluding revenue earned from financial incentives	2.38%	2.63%	2.24%
22	Excluding revenue earned from financial incentives and wash-ups	2.38%	2.63%	2.24%
24	WACC rate used to set regulatory price path	n/a	n/a	n/a
26	Mid-point estimate of vanilla WACC	6.02%	5.31%	5.60%
27	25th percentile estimate	5.30%	4.59%	4.92%
28	75th percentile estimate	6.74%	6.03%	6.29%
30	2(ii): Information Supporting the ROI	(\$000)		
32	Total opening RAB value	222,062		
33	plus Opening deferred tax	(2,925)		
34	Opening RIV		219,137	
36	Line charge revenue		35,902	
38	Expenses cash outflow	23,343		
39	add Assets commissioned	8,949		
40	less Asset disposals	1,197		
41	add Tax payments	88		
42	less Other regulated income	598		
43	Mid-year net cash outflows		30,585	
45	Term credit spread differential allowance		–	
47	Total closing RAB value	222,453		
48	less Adjustment resulting from asset allocation	–		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(3,717)		
51	Closing RIV		218,736	
53	ROI – comparable to a vanilla WACC			2.24%
55	Leverage (%)			44%
56	Cost of debt assumption (%)			4.80%
57	Corporate tax rate (%)			28%
59	ROI – comparable to a post tax WACC			1.64%

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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(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		2.20%
95			
96	Year-end ROI – comparable to a post tax WACC		1.61%
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	Recoverable customised price-quality path costs		
113	Catastrophic event allowance		
114	Capex wash-up adjustment		
115	Transmission asset wash-up adjustment		
116	2013–2015 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 2018**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

7	3(i): Regulatory Profit	(\$000)
8	Income	
9	Line charge revenue	35,902
10	plus Gains / (losses) on asset disposals	(65)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	663
12		
13	Total regulatory income	36,500
14	Expenses	
15	less Operational expenditure	14,956
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	8,387
18		
19	Operating surplus / (deficit)	13,157
20		
21	less Total depreciation	9,804
22		
23	plus Total revaluations	2,443
24		
25	Regulatory profit / (loss) before tax	5,795
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	879
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	4,916
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	73
36	Commerce Act levies	34
37	Industry levies	82
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	7,581
41	Transpower new investment contract charges	436
42	System operator services	
43	Distributed generation allowance	181
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	8,387
47		

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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 31 Mar 17	CY 31 Mar 18
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 13		
58	CY-4 31 Mar 14		
59	CY-3 31 Mar 15		
60	CY-2 31 Mar 16		
61	CY-1 31 Mar 17		
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 2018**

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 14 (\$000)	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)
	Total opening RAB value	207,971	215,025	217,515	221,244	222,062
	less Total depreciation	9,120	9,203	9,495	10,075	9,804
	plus Total revaluations	3,188	180	1,276	4,794	2,443
	plus Assets commissioned	13,161	11,814	12,329	6,868	8,949
	less Asset disposals	175	301	381	769	1,197
	plus Lost and found assets adjustment					-
	plus Adjustment resulting from asset allocation					-
	Total closing RAB value	215,025	217,515	221,244	222,062	222,453

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		222,062		222,062
	less Total depreciation		9,804		9,804
	plus Total revaluations		2,443		2,443
	plus Assets commissioned (other than below)	8,949		8,949	
	Assets acquired from a regulated supplier	-		-	
	Assets acquired from a related party	-		-	
	Assets commissioned		8,949		8,949
	less Asset disposals (other than below)	1,197		1,197	
	Asset disposals to a regulated supplier	-		-	
	Asset disposals to a related party	-		-	
	Asset disposals		1,197		1,197
	plus Lost and found assets adjustment		-		-
	plus Adjustment resulting from asset allocation				-
	Total closing RAB value		222,453		222,453

* 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 2018**

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

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

sch ref

51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75

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

CPI _t	1,011
CPI _{t-4}	1,000
Revaluation rate (%)	1.10%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	222,062		222,062	
less Opening value of fully depreciated, disposed and lost assets	-		-	
Total opening RAB value subject to revaluation	222,062		222,062	
Total revaluations		2,443		2,443

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		1,777		1,777
plus Capital expenditure	11,421		11,421	
less Assets commissioned	8,949		8,949	
plus Adjustment resulting from asset allocation		-		-
Works under construction - current disclosure year		4,249		4,249

Highest rate of capitalised finance applied -

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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	9,804		9,804	
80 Depreciation - no standard life assets	-		-	
81 Depreciation - modified life assets	-		-	
82 Depreciation - alternative depreciation in accordance with CPP	-		-	
83 Total depreciation		9,804		9,804

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	19,475	8,120	38,070	49,077	44,624	22,789	16,643	6,885	16,379	222,062
100 less Total depreciation	637	202	1,036	2,198	1,427	957	823	475	2,049	9,804
101 plus Total revaluations	214	89	419	540	491	251	183	76	180	2,443
102 plus Assets commissioned	1,659	327	1,395	1,095	615	643	627	1,259	1,329	8,949
103 less Asset disposals	47	-	294	41	14	40	138	-	623	1,197
104 plus Lost and found assets adjustment										-
105 plus Adjustment resulting from asset allocation										-
106 plus Asset category transfers										-
107 Total closing RAB value	20,664	8,334	38,554	48,473	44,289	22,686	16,492	7,745	15,216	222,453
109 Asset Life										
110 Weighted average remaining asset life	45.0	42.6	33.5	38.7	36.2	28.3	26.1	10.3	12.3	(years)
111 Weighted average expected total asset life	59.3	53.8	43.0	57.1	50.4	45.2	39.4	13.0	25.7	(years)

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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		5,795
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	64	*
12	Amortisation of initial differences in asset values	3,359	
13	Amortisation of revaluations	886	
14			4,309
15			
16	<i>less</i> Total revaluations	2,443	
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	4,521	
21			6,964
22			
23	Regulatory taxable income		3,141
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		3,141
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		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).

		(\$000)	
34	5a(iii): Amortisation of Initial Difference in Asset Values		
35			
36	Opening unamortised initial differences in asset values	104,139	
37	<i>less</i> Amortisation of initial differences in asset values	3,359	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired	-	
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	792	
40	Closing unamortised initial differences in asset values		99,988
41			
42	Opening weighted average remaining useful life of relevant assets (years)		31
43			

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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 1.10.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	207,464	
47			
48	Adjusted depreciation	8,918	
49	Total depreciation	9,804	
50	Amortisation of revaluations		886
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	(2,925)	
61			
62	plus Tax effect of adjusted depreciation	2,497	
63			
64	less Tax effect of tax depreciation	2,037	
65			
66	plus Tax effect of other temporary differences*	(253)	
67			
68	less Tax effect of amortisation of initial differences in asset values	941	
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	58	
73			
74	plus Deferred tax cost allocation adjustment	-	
75			
76	Closing deferred tax		(3,717)
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	78,641	
84	less Tax depreciation	7,274	
85	plus Regulatory tax asset value of assets commissioned	7,995	
86	less Regulatory tax asset value of asset disposals	1,405	
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		77,957

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID 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 5b(i): Summary—Related Party Transactions		(\$000)
8	Total regulatory income	
9	Operational expenditure	52
10	Capital expenditure	146
11	Market value of asset disposals	
12	Other related party transactions	

13 5b(ii): Entities Involved in Related Party Transactions	
14 Name of related party	Related party relationship
15 Cuddon Ltd	Directors Relationship
16 Yealands Estate Wines Ltd	Directors Relationship and subsidiary
17 Precast Systems	Directors Relationship
18 Construction Coatings	Directors Relationship
19 Robinson Construction Ltd	Directors Relationship

20 * include additional rows if needed

21 5b(iii): Related Party Transactions				
22 Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
23 Cuddon Ltd	Opex	purchase of goods and services	35	ID clause 2.3.6(1)(d)
24 Cuddon Ltd	Capex	purchase of air conditioners	9	IM clause 2.2.11(5)(a)(i)
25 Yealands Estate Wines Ltd	Opex	purchase of goods and services	12	ID clause 2.3.6(1)(d)
26 Precast Systems	Capex	concrete product, pads anchor blocks	28	IM clause 2.2.11(5)(a)(i)
27 Construction Coatings	Opex	painting at various sites	4	ID clause 2.3.6(1)(d)
28 Scaffold Marlborough	Opex	Hire of Scaffolding	1	ID clause 2.3.6(1)(d)
29 Robinson Construction Ltd	Capex	Seismic strengthening at substations	109	IM clause 2.2.11(5)(a)(i)
30				
31				
32				
33				
34				
35				
36				
37				
38				

* include additional rows if needed

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

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

sch ref

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

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

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

Gross term credit spread differential					-
Total book value of interest bearing debt					
Leverage			44%		
Average opening and closing RAB values					
Attribution Rate (%)					-
Term credit spread differential allowance					-

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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		972			
12	Not directly attributable		124		124	
13	Total attributable to regulated service		1,096			
14	Vegetation management					
15	Directly attributable		1,963			
16	Not directly attributable		200		200	
17	Total attributable to regulated service		2,163			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		2,364			
20	Not directly attributable		231		231	
21	Total attributable to regulated service		2,595			
22	Asset replacement and renewal					
23	Directly attributable		684			
24	Not directly attributable		34		34	
25	Total attributable to regulated service		718			
26	System operations and network support					
27	Directly attributable		4,166			
28	Not directly attributable		75		75	
29	Total attributable to regulated service		4,241			
30	Business support					
31	Directly attributable		4,143			
32	Not directly attributable				-	
33	Total attributable to regulated service		4,143			
34						
35	Operating costs directly attributable		14,292			
36	Operating costs not directly attributable	-	664	-	664	-
37	Operational expenditure		14,956			
38						

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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	189
43	Not directly attributable	
44	Total attributable to regulated service	189
45	Recoverable costs	
46	Directly attributable	8,198
47	Not directly attributable	
48	Total attributable to regulated service	8,198

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			
57	Rationale for change		
58			
59			

		(\$000)	
		CY-1	Current Year (CY)
61	Change in cost allocation 2		
62	Cost category		
63	Original allocator or line items		
64	New allocator or line items		
65			
66	Rationale for change		
67			
68			

		(\$000)	
		CY-1	Current Year (CY)
70	Change in cost allocation 3		
71	Cost category		
72	Original allocator or line items		
73	New allocator or line items		
74			
75	Rationale for change		
76			
77			

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

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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	20,664
Not directly attributable	
Total attributable to regulated service	20,664
Subtransmission cables	
Directly attributable	8,334
Not directly attributable	
Total attributable to regulated service	8,334
Zone substations	
Directly attributable	38,554
Not directly attributable	
Total attributable to regulated service	38,554
Distribution and LV lines	
Directly attributable	48,473
Not directly attributable	
Total attributable to regulated service	48,473
Distribution and LV cables	
Directly attributable	44,289
Not directly attributable	
Total attributable to regulated service	44,289
Distribution substations and transformers	
Directly attributable	22,686
Not directly attributable	
Total attributable to regulated service	22,686
Distribution switchgear	
Directly attributable	16,492
Not directly attributable	
Total attributable to regulated service	16,492
Other network assets	
Directly attributable	7,745
Not directly attributable	
Total attributable to regulated service	7,745
Non-network assets	
Directly attributable	15,216
Not directly attributable	
Total attributable to regulated service	15,216
Regulated service asset value directly attributable	222,453
Regulated service asset value not directly attributable	-
Total closing RAB value	222,453

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 **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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		245
9	System growth		237
10	Asset replacement and renewal		5,803
11	Asset relocations		71
12	Reliability, safety and environment:		
13	Quality of supply	1,762	
14	Legislative and regulatory	-	
15	Other reliability, safety and environment	1,934	
16	Total reliability, safety and environment		3,696
17	Expenditure on network assets		10,053
18	Expenditure on non-network assets		1,467
19			
20	Expenditure on assets		11,520
21	plus Cost of financing		-
22	less Value of capital contributions		99
23	plus Value of vested assets		-
24			
25	Capital expenditure		11,421
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	60	
33	Commercial 1	143	
34	Commercial 2	3	
35	Irrigation	40	
36			
37	<i>* include additional rows if needed</i>		
38	Consumer connection expenditure		245
39			
40	less Capital contributions funding consumer connection expenditure	56	
41	Consumer connection less capital contributions		189
42	6a(iv): System Growth and Asset Replacement and Renewal		
43		System Growth	Asset Replacement and Renewal
44		(\$000)	(\$000)
45	Subtransmission		3,654
46	Zone substations		1,066
47	Distribution and LV lines		820
48	Distribution and LV cables		29
49	Distribution substations and transformers	237	72
50	Distribution switchgear		163
51	Other network assets		-
52	System growth and asset replacement and renewal expenditure	237	5,803
53	less Capital contributions funding system growth and asset replacement and renewal		
54	System growth and asset replacement and renewal less capital contributions	237	5,803
55			
56	6a(v): Asset Relocations		
57	<i>Project or programme*</i>	(\$000)	(\$000)
58	Roading Authority Relocations	71	
59			
60			
61			
62			
63	<i>* include additional rows if needed</i>		
64	All other projects or programmes - asset relocations		
65	Asset relocations expenditure		71
66	less Capital contributions funding asset relocations	43	
67	Asset relocations less capital contributions		28

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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	<i>Project or programme*</i>		(\$000)	(\$000)
71	SCADA		546	
72	Network Automation		319	
73	Generators		168	
74	Digital Radio Network		248	
75	Other		480	
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply			
78	Quality of supply expenditure			1,762
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			1,762
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83				
84				
85				
86				
87				
88	<i>* include additional rows if needed</i>			
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	<i>Project or programme*</i>		(\$000)	(\$000)
95	Earthing (NERs and Resonant)		191	
96	Tee Joint Removal		133	
97	SWER Reinsulation		3	
98	Other		1,608	
99				
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment			
102	Other reliability, safety and environment expenditure			1,934
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			1,934
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Motor Vehicle Purchases		837	
110	Computer upgrades		110	
111	Software upgrades		9	
112	Communications Radio and Phone		27	
113	Test Instruments		12	
114	Plant and Equipment		192	
115	<i>* include additional rows if needed</i>			
116	All other projects or programmes - routine expenditure			
117	Routine expenditure			1,187
118	Atypical expenditure			
119	<i>Project or programme*</i>		(\$000)	(\$000)
120	Building and Depot Alterations		184	
121	IT Projects and Upgrades		96	
122				
123				
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure			
126	Atypical expenditure			280
127				
128	Expenditure on non-network assets			1,467

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

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	1,096	
9	Vegetation management	2,163	
10	Routine and corrective maintenance and inspection	2,595	
11	Asset replacement and renewal	718	
12	Network opex		6,572
13	System operations and network support	4,241	
14	Business support	4,143	
15	Non-network opex		8,384
16			
17	Operational expenditure		14,956
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		-
20	Direct billing*		-
21	Research and development		-
22	Insurance		310
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Marlborough Lines Limited**
For Year Ended **31 March 2018**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

7	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance	
8	Line charge revenue	35,260	35,902	2%	
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance	
10	Consumer connection	408	245	(40%)	
11	System growth	–	237	–	
12	Asset replacement and renewal	6,375	5,803	(9%)	
13	Asset relocations	612	71	(88%)	
14	Reliability, safety and environment:				
15	Quality of supply	2,193	1,762	(20%)	
16	Legislative and regulatory	51	–	(100%)	
17	Other reliability, safety and environment	765	1,934	153%	
18	Total reliability, safety and environment	3,009	3,696	23%	
19	Expenditure on network assets	10,404	10,053	(3%)	
20	Expenditure on non-network assets	1,250	1,467	17%	
21	Expenditure on assets	11,654	11,520	(1%)	
22	7(iii): Operational Expenditure				
23	Service interruptions and emergencies	816	1,096	34%	
24	Vegetation management	1,836	2,163	18%	
25	Routine and corrective maintenance and inspection	2,448	2,595	6%	
26	Asset replacement and renewal	612	718	17%	
27	Network opex	5,712	6,572	15%	
28	System operations and network support	3,060	4,241	39%	
29	Business support	3,876	4,143	7%	
30	Non-network opex	6,936	8,384	21%	
31	Operational expenditure	12,648	14,956	18%	
32	7(iv): Subcomponents of Expenditure on Assets (where known)				
33	Energy efficiency and demand side management, reduction of energy losses	–	–	–	
34	Overhead to underground conversion	–	–	–	
35	Research and development	–	–	–	
36					
37	7(v): Subcomponents of Operational Expenditure (where known)				
38	Energy efficiency and demand side management, reduction of energy losses	–	–	–	
39	Direct billing	–	–	–	
40	Research and development	–	–	–	
41	Insurance	250	310	24%	
42					
43	<i>1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination</i>				
44	<i>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)</i>				

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**
 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.

sch.ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPS in disclosure year	Energy received by 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
						c/kWh	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh	
Residential	Standard		21,568	145,736		106,033	36,839	2,874	-	-	-	-	-	-	-	
Commercial	Standard		3,240	76,514		73,338	1,936	342	-	56	-	-	-	-	843	
Large Commercial	Standard		118	140,175		-	-	-	-	101,259	38,916	-	-	-	-	
Irrigation	Standard		342	13,322		-	-	-	-	-	-	12,765	558	-	-	
Streetlighting	Standard		106	2,943		-	-	-	-	-	-	-	-	2,943	-	
						-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	
Add extra rows for additional consumer groups or price category codes as necessary																
Standard consumer totals				25,374	378,692	179,371	38,765	3,216	-	56	101,259	38,916	12,765	558	2,943	843
Non-standard consumer totals				-	-	-	-	-	-	-	-	-	-	-	-	-
Total for all consumers				25,374	378,692	179,371	38,765	3,216	-	56	101,259	38,916	12,765	558	2,943	843

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

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**
 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					Line charge revenues (\$000) by price component													Add extra columns for additional line charge revenues by price component as necessary			
Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Price component Rate (eg, \$ per day, \$ per kWh, etc.)	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	ALAM, AH Capacity	WL, WM, WH RPD
								c/kWh	c/kWh	c/kWh	kWh	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh		c/kWh	c/kWh	c/kWh
Residential	Standard		\$16,130	\$3,517	\$16,130			\$8,336	\$1,890	\$83									\$5,819		
Commercial	Standard		\$8,546	\$1,937	\$8,546			\$4,398	\$78	\$6		\$3							\$4,061		
Large Commercial	Standard		\$9,689	\$2,521	\$9,689								\$1,947	\$145					\$362	\$5,268	\$1,967
Irrigation	Standard		\$1,224	\$286	\$1,224										\$274	\$101			\$848		
Streetlighting	Standard		\$241	\$47	\$241													\$19	\$222		
Generation	Standard		\$4		\$4						\$4										
Generation	Non-standard		\$69		\$69														\$69		
Add extra rows for additional consumer groups or price category codes as necessary																					
Standard consumer totals			\$35,833	\$8,308	\$35,833			\$12,734	\$1,969	\$89	\$4	\$3	\$1,947	\$145	\$274	\$101	\$19	\$11,312	\$5,268	\$1,967	
Non-standard consumer totals			\$69		\$69														\$69		
Total for all consumers			\$35,902	\$8,308	\$35,902			\$12,734	\$1,969	\$89	\$4	\$3	\$1,947	\$145	\$274	\$101	\$19	\$11,381	\$5,268	\$1,967	

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check OK

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2018
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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	17,806	17,891	85	3
9	All	Overhead Line	Wood poles	No.	10,652	10,611	(41)	3
10	All	Overhead Line	Other pole types	No.	2,068	2,100	32	3
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	278	280	1	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	22	22	0	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	0	-	(0)	N/A
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	16	16	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	84	79	(5)	3
28	HV	Zone substation switchgear	33kV RMU	No.	1	1	-	4
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	62	63	1	3
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	28	27	(1)	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	98	105	7	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	11	12	1	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	31	31	-	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,600	1,595	(4)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	2	2	-	4
36	HV	Distribution Line	SWER conductor	km	541	541	(0)	3
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	169	176	7	3
38	HV	Distribution Cable	Distribution UG PILC	km	15	11	(4)	3
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	102	103	1	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	29	21	(8)	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2,358	2,467	109	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	67	65	(2)	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	623	659	36	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,461	3,585	124	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	458	479	21	3
47	HV	Distribution Transformer	Voltage regulators	No.	28	30	2	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
49	LV	LV Line	LV OH Conductor	km	423	419	(4)	3
50	LV	LV Cable	LV UG Cable	km	341	340	(1)	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	71	85	15	3
52	LV	Connections	OH/UG consumer service connections	No.	25,260	25,465	205	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	132	128	(4)	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
55	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	N/A
56	All	Load Control	Centralised plant	Lot	3	3	-	3
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2018
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	280	22
14	SWER (all SWER voltages)	541	-
15	22kV (other than SWER)	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	1,597	187
17	Low voltage (< 1kV)	419	340
18	Total circuit length (for supply)	2,836	549
19			
20	Dedicated street lighting circuit length (km)	21	64
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		Not Available
22			
23	Overhead circuit length by terrain (at year end)	(% of total circuit length)	
24	Urban	322	11%
25	Rural	863	30%
26	Remote only	-	-
27	Rugged only	796	28%
28	Remote and rugged	849	30%
29	Unallocated overhead lines	6	0%
30	Total overhead length	2,836	100%
31			
32		(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,862	55%
34		(% of total overhead length)	
35	Overhead circuit requiring vegetation management	2,836	100%

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2018**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

8	Location *	Number of ICPs served	Line charge revenue (\$000)
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26	* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network		

Company Name **Marlborough Lines Limited**

For Year Ended **31 March 2018**

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
Commercial
Large Commercial
Irrigation
Streetlighting

* include additional rows if needed

Number of connections (ICPs)

181
40
2
7
-

Connections total

230

Distributed generation

Number of connections made in year

100

connections

Capacity of distributed generation installed in year

1.38

MVA

9e(ii): System Demand

Maximum coincident system demand

GXP demand

71

plus Distributed generation output at HV and above

2

Maximum coincident system demand

73

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

-

Demand on system for supply to consumers' connection points

73

Demand at time of maximum coincident demand (MW)

Electricity volumes carried

Electricity supplied from GXPs

385

less Electricity exports to GXPs

-

plus Electricity supplied from distributed generation

14

less Net electricity supplied to (from) other EDBs

1

Electricity entering system for supply to consumers' connection points

398

less Total energy delivered to ICPs

379

Electricity losses (loss ratio)

20

4.9%

Load factor

0.62

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

323

Distribution transformer capacity (Non-EDB owned, estimated)

19

Total distribution transformer capacity

342

Zone substation transformer capacity

316

(MVA)

Company Name **Marlborough Lines Limited**

For Year Ended **31 March 2018**

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)	283	
12 Class C (unplanned interruptions on the network)	365	
13 Class D (unplanned interruptions by Transpower)	1	
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	649	

21 Interruption restoration

	≤3Hrs	>3hrs
22 Class C interruptions restored within	256	109

24 SAIFI and SAIDI by class

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	-	-
26 Class B (planned interruptions on the network)	0.36	60.7
27 Class C (unplanned interruptions on the network)	0.72	60.3
28 Class D (unplanned interruptions by Transpower)	1.00	107.0
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	2.09	228.0

36 Normalised SAIFI and SAIDI

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	1.09	121.0

39 Quality path normalised reliability limit

	SAIFI reliability limit	SAIDI reliability limit
40 SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A

* not applicable to exempt EDBs

Company Name **Marlborough Lines Limited**For Year Ended **31 March 2018**

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIFI, SAIDI 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 Cause42
43
44
45
46
47
48
49
50
51
52
53
54

Cause	SAIFI	SAIDI
Lightning	0.02	3.1
Vegetation	0.02	2.8
Adverse weather	0.15	15.5
Adverse environment	–	–
Third party interference	0.07	5.4
Wildlife	0.07	5.5
Human error	0.02	0.9
Defective equipment	0.16	20.1
Cause unknown	0.22	7.1

10(iii): Class B Interruptions and Duration by Main Equipment Involved55
56
57
58
59
60
61
62
63

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	–	–
Subtransmission cables	–	–
Subtransmission other	0.00	1.3
Distribution lines (excluding LV)	0.02	3.2
Distribution cables (excluding LV)	–	–
Distribution other (excluding LV)	0.34	56.2

10(iv): Class C Interruptions and Duration by Main Equipment Involved64
65
66
67
68
69
70
71
72

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.04	0.6
Subtransmission cables	–	–
Subtransmission other	0.02	1.1
Distribution lines (excluding LV)	0.27	44.6
Distribution cables (excluding LV)	0.04	1.8
Distribution other (excluding LV)	0.36	12.2

10(v): Fault Rate73
74
75
76
77
78
79
80
81

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	3	280	1.07
Subtransmission cables	–	22	–
Subtransmission other	6		
Distribution lines (excluding LV)	280	2,138	13.10
Distribution cables (excluding LV)	7	187	3.75
Distribution other (excluding LV)	69		
Total	365		