



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

Company Name	<input type="text" value="Marlborough Lines Ltd"/>
Disclosure Date	<input type="text" value="30 August 2016"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2016"/>

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

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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 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 Ltd**
 For Year Ended **31 March 2016**

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	34,903	529	184,949	3,887	41,930
10	Network	16,872	256	89,402	1,879	20,268
11	Non-network	18,032	273	95,547	2,008	21,662
12						
13	Expenditure on assets	30,190	457	159,972	3,362	36,268
14	Network	24,720	375	130,988	2,753	29,696
15	Non-network	5,470	83	28,985	609	6,571
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	92,563	1,402			
20	Standard consumer line charge revenue	92,514	1,400			
21	Non-standard consumer line charge revenue	128,245	-			
22						
23	1(iii): Service intensity measures					
24						
25	Demand density	21				Maximum coincident system demand per km of circuit length (for supply) (kW/km)
26	Volume density	111				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	15,150				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		15.43			Interruptions per 100 circuit km

Company Name **Marlborough Lines Ltd**For Year Ended **31 March 2016****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 14	31 Mar 15	31 Mar 16
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	2.41%	1.40%	1.74%
10	Excluding revenue earned from financial incentives	2.41%	1.40%	1.74%
11	Excluding revenue earned from financial incentives and wash-ups	2.41%	1.40%	1.74%
12				
13				
14	Mid-point estimate of post tax WACC	5.43%	6.10%	5.37%
15	25th percentile estimate	4.71%	5.39%	4.66%
16	75th percentile estimate	6.14%	6.82%	6.09%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	3.09%	2.18%	2.38%
21	Excluding revenue earned from financial incentives	3.09%	2.18%	2.38%
22	Excluding revenue earned from financial incentives and wash-ups	3.09%	2.18%	2.38%
23				
24	WACC rate used to set regulatory price path	n/a	n/a	n/a
25				
26	Mid-point estimate of vanilla WACC	6.11%	6.89%	6.02%
27	25th percentile estimate	5.39%	6.17%	5.30%
28	75th percentile estimate	6.83%	7.60%	6.74%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	217,515		
33	plus Opening deferred tax	(1,412)		
34	Opening RIV		216,103	
35				
36	Line charge revenue		34,876	
37				
38	Expenses cash outflow	21,007		
39	add Assets commissioned	12,329		
40	less Asset disposals	381		
41	add Tax payments	378		
42	less Other regulated income	871		
43	Mid-year net cash outflows		32,462	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	221,244		
48	less Adjustment resulting from asset allocation	(0)		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(2,356)		
51	Closing RIV		218,888	
52				
53	ROI – comparable to a vanilla WACC			2.38%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			5.26%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			1.74%
60				

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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		2.34%
95			
96	Year-end ROI – comparable to a post tax WACC		1.69%
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

100			
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 Ltd**
 For Year Ended **31 March 2016**

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	34,876
10	plus Gains / (losses) on asset disposals	174
11	plus Other regulated income (other than gains / (losses) on asset disposals)	697
12		
13	Total regulatory income	35,747
14	Expenses	
15	less Operational expenditure	13,151
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	7,856
18		
19	Operating surplus / (deficit)	14,740
20		
21	less Total depreciation	9,495
22		
23	plus Total revaluations	1,276
24		
25	Regulatory profit / (loss) before tax	6,521
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	1,322
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	5,199
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	66
36	Commerce Act levies	26
37	Industry levies	79
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	6,989
41	Transpower new investment contract charges	492
42	System operator services	
43	Distributed generation allowance	204
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	7,856
47		

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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 15	31 Mar 16
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 11		
58	CY-4 31 Mar 12		
59	CY-3 31 Mar 13		
60	CY-2 31 Mar 14		
61	CY-1 31 Mar 15		
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 Ltd**
 For Year Ended **31 March 2016**

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 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)
	Total opening RAB value	196,333	202,181	207,971	215,025	217,515
	less Total depreciation	8,829	8,526	9,120	9,203	9,495
	plus Total revaluations	3,038	1,709	3,188	180	1,276
	plus Assets commissioned	11,639	12,607	13,161	11,814	12,329
	less Asset disposals			175	301	381
	plus Lost and found assets adjustment					-
	plus Adjustment resulting from asset allocation					(0)
	Total closing RAB value	202,181	207,971	215,025	217,515	221,244

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		217,515		217,515
	less Total depreciation		9,495		9,495
	plus Total revaluations		1,276		1,276
	plus Assets commissioned (other than below)	12,329		12,329	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	Assets commissioned		12,329		12,329
	less Asset disposals (other than below)	381		381	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		381		381
	plus Lost and found assets adjustment		-		-
	plus Adjustment resulting from asset allocation				(0)
	Total closing RAB value		221,244		221,244

* 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 Ltd**
 For Year Ended **31 March 2016**

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	1,200
CPI _{t-4}	1,193
Revaluation rate (%)	0.59%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	217,515		217,515	
<i>less</i> Opening value of fully depreciated, disposed and lost assets				
Total opening RAB value subject to revaluation	217,515		217,515	
Total revaluations		1,276		1,276

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		2,293		2,293
<i>plus</i> Capital expenditure	11,309		11,309	
<i>less</i> Assets commissioned	12,329		12,329	
<i>plus</i> Adjustment resulting from asset allocation				
Works under construction - current disclosure year		1,273		1,273

Highest rate of capitalised finance applied

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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)
77		
78		
79	9,495	9,495
80		
81		
82		
83		
84	9,495	9,495

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
86				
87				
88				
89				
90				
91				
92				
93				
94				

* 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
98										
99	17,585	7,793	35,181	48,767	45,626	23,090	16,677	6,316	16,480	217,515
100	less 586	187	974	2,222	1,391	917	779	399	2,041	9,495
101	plus 103	46	206	286	268	135	98	37	97	1,276
102	plus 1,782	491	3,193	1,675	234	666	888	531	2,869	12,329
103	less -	-	-	119	11	38	118	-	96	381
104	plus									-
105	plus									-
106	plus									-
107	18,885	8,143	37,607	48,388	44,726	22,936	16,767	6,485	17,309	221,244
108										
109	Asset Life									
110	49.0	44.3	35.3	38.3	37.9	29.2	26.9	13.9	13.7	(years)
111	65.2	53.8	43.7	56.8	50.3	45.2	39.2	17.1	25.6	(years)

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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		6,521
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	43	*
12	Amortisation of initial differences in asset values	3,384	
13	Amortisation of revaluations	925	
14			4,352
15			
16	<i>less</i> Total revaluations	1,276	
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	4,875	
21			6,151
22			
23	Regulatory taxable income		4,723
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		4,723
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		1,322

* 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	111,678	
37	<i>less</i> Amortisation of initial differences in asset values	3,384	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired	-	
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	262	
40	Closing unamortised initial differences in asset values		108,032
41			
42	Opening weighted average remaining useful life of relevant assets (years)		33
43			

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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	207,933	
47			
48	Adjusted depreciation	8,570	
49	Total depreciation	9,495	
50	Amortisation of revaluations		925
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	(1,412)	
61			
62	plus Tax effect of adjusted depreciation	2,400	
63			
64	less Tax effect of tax depreciation	2,192	
65			
66	plus Tax effect of other temporary differences*	(275)	
67			
68	less Tax effect of amortisation of initial differences in asset values	948	
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	(71)	
73			
74	plus Deferred tax cost allocation adjustment	0	
75			
76	Closing deferred tax		(2,356)
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	77,073	
84	less Tax depreciation	7,829	
85	plus Regulatory tax asset value of assets commissioned	11,399	
86	less Regulatory tax asset value of asset disposals	128	
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		80,515

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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	87
9 Operational expenditure	50
10 Capital expenditure	423
11 Market value of asset disposals	
12 Other related party transactions	

13 5b(ii): Entities Involved in Related Party Transactions

Name of related party	Related party relationship
Cuddon Ltd	Directors Relationship
Robinson Construction Ltd	Directors Releationship
Yealands Estates Ltd	Directors Relationship and subsidiary
Yealands Wine Group Ltd	Directors Relationship and subsidiary
Redwood Development Ltd	Directors Relationship
Outer Limits Ltd	Directors Relationship
Precast Systems Ltd	Directors Relationship
Construction Coating Ltd	Directors Relationship
Dog Point Vinyard Ltd	Directors Relationship
Yealands Estate Wines Ltd	Directors Relationship and subsidiary

* include additional rows if needed

21 5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
Cuddon Ltd	Opex	Purchase of goods and services	36	ID clause 2.3.6(1)(d)
Robinson Construction Ltd	Capex	Build 33kv Switchroom	361	ID clause 2.3.6(1)(e)
Robinson Construction Ltd	Opex	Minor building work	1	ID clause 2.3.6(1)(d)
Yealands Estates Ltd	Sales	Network Charge to upgrade transformer	20	ID clause 2.3.7(2)(b)
Yealands Wine Group Ltd	Sales	Network Charge to upgrade transformer & HV Cabling	30	ID clause 2.3.7(2)(b)
OuterLimits Ltd	Sales	Network Charge for subdivision	35	ID clause 2.3.7(2)(b)
Redwood Development Ltd	Sales	Network Charge for new power supply	2	ID clause 2.3.7(2)(b)
Precast Systems Ltd	Capex	pads	46	ID clause 2.3.6(1)(d)
Construction Coating Ltd	Opex	painting in depots, and offices	3	ID clause 2.3.6(1)(d)
Construction Coating Ltd	Capex	Painting of new depot shed	16	ID clause 2.3.6(1)(d)
Yealands Estate Wines Ltd	Opex	Purchase of goods	8	ID clause 2.3.6(1)(d)
Dog Point Vineyards Ltd	Opex	Purchase of goods	2	ID clause 2.3.6(1)(d)
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]

* include additional rows if needed

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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
* 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			44%		
Average opening and closing RAB values					
Attribution Rate (%)					-
Term credit spread differential allowance					-

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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		710			
12	Not directly attributable		163		163	
13	Total attributable to regulated service		873			
14	Vegetation management					
15	Directly attributable		1,971			
16	Not directly attributable		392		392	
17	Total attributable to regulated service		2,363			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		2,196			
20	Not directly attributable		413		413	
21	Total attributable to regulated service		2,609			
22	Asset replacement and renewal					
23	Directly attributable		451			
24	Not directly attributable		61		61	
25	Total attributable to regulated service		512			
26	System operations and network support					
27	Directly attributable		3,258			
28	Not directly attributable		59		59	
29	Total attributable to regulated service		3,317			
30	Business support					
31	Directly attributable		3,477			
32	Not directly attributable				-	
33	Total attributable to regulated service		3,477			
34						
35	Operating costs directly attributable		12,063			
36	Operating costs not directly attributable	-	1,088	-	1,088	-
37	Operational expenditure		13,151			
38						

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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	171
43	Not directly attributable	
44	Total attributable to regulated service	171
45	Recoverable costs	
46	Directly attributable	7,685
47	Not directly attributable	
48	Total attributable to regulated service	7,685

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 Ltd**
 For Year Ended **31 March 2016**

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	18,885
Not directly attributable	
Total attributable to regulated service	18,885
Subtransmission cables	
Directly attributable	8,143
Not directly attributable	
Total attributable to regulated service	8,143
Zone substations	
Directly attributable	37,607
Not directly attributable	
Total attributable to regulated service	37,607
Distribution and LV lines	
Directly attributable	48,388
Not directly attributable	
Total attributable to regulated service	48,388
Distribution and LV cables	
Directly attributable	44,726
Not directly attributable	
Total attributable to regulated service	44,726
Distribution substations and transformers	
Directly attributable	22,936
Not directly attributable	
Total attributable to regulated service	22,936
Distribution switchgear	
Directly attributable	16,767
Not directly attributable	
Total attributable to regulated service	16,767
Other network assets	
Directly attributable	6,485
Not directly attributable	
Total attributable to regulated service	6,485
Non-network assets	
Directly attributable	17,309
Not directly attributable	
Total attributable to regulated service	17,309
Regulated service asset value directly attributable	221,244
Regulated service asset value not directly attributable	-
Total closing RAB value	221,244

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 Ltd**
 For Year Ended **31 March 2016**

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)
6a(i): Expenditure on Assets		
Consumer connection		156
System growth		-
Asset replacement and renewal		6,952
Asset relocations		41
Reliability, safety and environment:		
Quality of supply	1,874	
Legislative and regulatory	-	
Other reliability, safety and environment	291	
Total reliability, safety and environment		2,165
Expenditure on network assets		9,314
Expenditure on non-network assets		2,061
Expenditure on assets		11,375
plus Cost of financing		
less Value of capital contributions		66
plus Value of vested assets		
Capital expenditure		11,309

	(\$000)
6a(ii): Subcomponents of Expenditure on Assets (where known)	
Energy efficiency and demand side management, reduction of energy losses	
Overhead to underground conversion	
Research and development	

	(\$000)	(\$000)
6a(iii): Consumer Connection		
<i>Consumer types defined by EDB*</i>		
Residential	156	
<i>* include additional rows if needed</i>		
Consumer connection expenditure		156
less Capital contributions funding consumer connection expenditure		
Consumer connection less capital contributions		156

	System Growth (\$000)	Asset Replacement and Renewal (\$000)
6a(iv): System Growth and Asset Replacement and Renewal		
Subtransmission		1,754
Zone substations		2,461
Distribution and LV lines		1,568
Distribution and LV cables		42
Distribution substations and transformers		616
Distribution switchgear		503
Other network assets		8
System growth and asset replacement and renewal expenditure	-	6,952
less Capital contributions funding system growth and asset replacement and renewal		
System growth and asset replacement and renewal less capital contributions	-	6,952

	(\$000)	(\$000)
6a(v): Asset Relocations		
<i>Project or programme*</i>		
Underground conversions	8	
Roading Authority Relocations	30	
Other relocations	3	
<i>* include additional rows if needed</i>		
All other projects or programmes - asset relocations		
Asset relocations expenditure		41
less Capital contributions funding asset relocations	26	
Asset relocations less capital contributions		15

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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		163	
72	Network Automation		108	
73	Generators		3	
74	Digital Radio Network		458	
75	Qos Other		1,142	
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply			
78	Quality of supply expenditure			1,874
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			1,874
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	Tee Joint Removal		95	
96	SWER Reinsulation		9	
97	Other		187	
98				
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			291
103	less Capital contributions funding other reliability, safety and environment		40	
104	Other reliability, safety and environment less capital contributions			251
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Motor Vehicle Purchaess		580	
110	Plant and Equipment		143	
111	Desktop and Laptop Computer Upgrade		281	
112	Test Equipment		48	
113	Communications, Radio and Phone		194	
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure		23	
116	Routine expenditure			1,269
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119	Building and Depot Alterations		157	
120	Asset Managemnt Software purchase and implementation		294	
121	Vehicle Shed		69	
122	IT Projects and upgrades		233	
123	Training Power Line		39	
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure			
126	Atypical expenditure			792
127				
128	Expenditure on non-network assets			2,061

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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	873	
9	Vegetation management	2,363	
10	Routine and corrective maintenance and inspection	2,609	
11	Asset replacement and renewal	512	
12	Network opex		6,357
13	System operations and network support	3,317	
14	Business support	3,477	
15	Non-network opex		6,794
16			
17	Operational expenditure		13,151
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		250
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Marlborough Lines Ltd**
For Year Ended **31 March 2016**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

		Target (\$000) ¹	Actual (\$000)	% variance
7	7(i): Revenue			
8	Line charge revenue	34,398	34,876	1%
9	7(ii): Expenditure on Assets			
10	Consumer connection	200	156	(22%)
11	System growth		–	–
12	Asset replacement and renewal	6,155	6,952	13%
13	Asset relocations	185	41	(78%)
14	Reliability, safety and environment:			
15	Quality of supply	3,198	1,874	(41%)
16	Legislative and regulatory	50	–	(100%)
17	Other reliability, safety and environment	220	291	32%
18	Total reliability, safety and environment	3,468	2,165	(38%)
19	Expenditure on network assets	10,008	9,314	(7%)
20	Expenditure on non-network assets	1,929	2,061	7%
21	Expenditure on assets	11,937	11,375	(5%)
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	914	873	(4%)
24	Vegetation management	2,456	2,363	(4%)
25	Routine and corrective maintenance and inspection	2,741	2,609	(5%)
26	Asset replacement and renewal	218	512	135%
27	Network opex	6,329	6,357	0%
28	System operations and network support	1,954	3,317	70%
29	Business support	3,553	3,477	(2%)
30	Non-network opex	5,507	6,794	23%
31	Operational expenditure	11,836	13,151	11%
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	230	250	9%

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
For Year Ended
Network / Sub-Network Name

Marlborough Lines Ltd
31 March 2016

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

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30

Billed quantities by price component

Price component	10,23,31,40,11 uncontrolled	12,16,22 13 hr controlled	17,18,28 8 hr controlled	00 Embedded Generation	20,30 20 hr controlled	51,61 Day	50,62 Night	96 Summer	97 Winter	80 Streetlights	99 MI Consumption		
	c/kWh	c/kWh	c/kWh	kWh	c/kWh	c/kWh	c/kWh	c/kWh	C/kWh	c/kWh			
	104,399	37,681	4,164	-	-	-	-	-	-	-	-	-	-
	75,172	2,021	712	-	139	-	-	-	-	-	732	-	-
	-	-	-	-	-	90,018	33,963	-	-	-	-	-	-
	-	-	-	-	-	-	-	24,226	810	-	-	-	-
	-	-	-	-	-	-	-	-	-	2,230	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	517	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	179,571	39,703	4,876	-	-	-	-	-	-	-	-	-	-
	-	-	-	517	-	-	-	-	-	-	-	-	-
	179,571	39,703	4,876	517	-	-	-	-	-	-	-	-	-

Add extra columns for additional billed quantities 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)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
Residential	Residential	Standard	21,142	146,245
Non residential	Commercial	Standard	3,190	78,776
Group 4	Commercial	Standard	115	123,980
Irrigation	Irrigation	Standard	333	25,036
Streetlighting	Streetlighting	Standard	90	2,230
		[Select one]	-	-
Waihopai	Generation	Non-standard	-	517
		[Select one]	-	-
		[Select one]	-	-
		[Select one]	-	-
Standard consumer totals			24,870	376,267
Non-standard consumer totals			-	517
Total for all consumers			24,870	376,784

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

Company Name
For Year Ended
Network / Sub-Network Name

Marlborough Lines Ltd
31 March 2016

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 13 hr controlled	17,18,28 8 hr controlled	00 Embedded Generation	20,30 20 hr controlled	51,61 Day	50,62 Night	96 Summer	97 Winter	80 Streetlights	Fixed Charge	AL,AM,AH Capacity	WL,W,M,W,H Winter Peak Demand		
Residential	Residential	Standard	\$15,599	\$3,513	\$15,599			\$7,983	\$1,839	\$106	-	-	-	-	-	-	-	-	-	\$5,670	-	-
Non residential	Commercial	Standard	\$8,321	\$1,934	\$8,321			\$4,534	\$82	\$13	-	\$7	-	-	-	-	-	-	-	\$3,686	-	-
Group 4	Commercial	Standard	\$9,054	\$2,387	\$9,054			-	-	-	-	-	\$1,724	\$126	-	-	-	-	-	\$215	\$5,147	\$1,841
Irrigation	Irrigation	Standard	\$1,472	\$328	\$1,472			-	-	-	-	-	-	-	\$547	\$151	-	-	-	\$774	-	-
Streetlighting	Streetlighting	Standard	\$362	\$47	\$362			-	-	-	-	-	-	-	-	-	\$19	-	-	\$343	-	-
Distributed Generation	Generation	Standard	\$3	-	\$3			-	-	\$3	-	-	-	-	-	-	-	-	-	-	-	-
Waihopai	Generation	Non-standard	\$66	-	\$66			-	-	-	-	-	-	-	-	-	-	-	-	\$66	-	-
		[Select one]	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		[Select one]	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		[Select one]	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard consumer totals			\$34,810	\$8,209	\$34,810	-		\$12,516	\$1,921	\$119	\$3									\$5,147	\$1,841	
Non-standard consumer totals			\$66	-	\$66	-		-	-	-	-									-	-	
Total for all consumers			\$34,876	\$8,209	\$34,876	-		\$12,516	\$1,921	\$119	\$3									\$5,147	\$1,841	

Add extra columns for additional line charge revenues by price component as necessary

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check

Company Name	Marlborough Lines Ltd
For Year Ended	31 March 2016
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.	17,376	17,664	288	3
10	All	Overhead Line	Wood poles	No.	10,777	10,650	(127)	3
11	All	Overhead Line	Other pole types	No.	2,346	2,186	(160)	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	282	278	(3)	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	20	20	(0)	3
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	16	16	-	3
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	100	95	(5)	3
29	HV	Zone substation switchgear	33kV RMU	No.	1	1	-	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	43	56	13	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	31	27	(4)	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	107	96	(11)	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	1,597	1,592	(4)	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	2	2	4
37	HV	Distribution Line	SWER conductor	km	542	541	(1)	3
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	148	161	13	3
39	HV	Distribution Cable	Distribution UG PILC	km	28	17	(11)	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	99	98	(1)	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	17	24	7	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2,110	2,289	179	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	5	54	49	4
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	264	555	291	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,392	3,419	27	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	436	419	(17)	3
48	HV	Distribution Transformer	Voltage regulators	No.	30	30	-	3
50	LV	LV Line	LV OH Conductor	km	423	423	(0)	2
51	LV	LV Cable	LV UG Cable	km	283	292	9	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	55	57	2	3
53	LV	Connections	OH/UG consumer service connections	No.	25,076	25,002	(74)	2
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	109	135	26	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
57	All	Load Control	Centralised plant	Lot	3	3	-	4

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**
 Network / Sub-network Name

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref	8	Disclosure Year (year ended)	Number of assets at disclosure year end by installation date																							No. with age unknown	Items at end of year (quantity)	No. with default dates	Data accuracy (1-4)			
			31 March 2016	pre-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014					2015	2016	
9	Voltage	Asset category	Asset class	Units																												
10	All	Overhead Line	Concrete poles / steel structure	No.	1,638	540	2,470	2,807	2,495	1,829	287	51	115	137	188	181	170	299	528	568	450	515	341	460	333	271	331	236	424	17,664	-	3
11	All	Overhead Line	Wood poles	No.	44	43	182	2,009	3,684	1,953	1,110	52	108	154	177	75	115	87	24	121	30	127	34	86	37	35	126	23	214	10,650	-	3
12	All	Overhead Line	Other pole types	No.	142	191	466	718	435	130	27		3	1	3	1	1		1	2		2							63	2,186	-	3
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	32	0	4	62	60	49	3			4			0		0	3	7	14	1	15	6	8	6	5	0	278		3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km					0	1	0			2		0	1	5	4	0	2	0	1	1	2		-	20			3	
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.				1	2	2	1					1	4			1	3				1			16			3	
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.					3	13	30	1	2		8	5		8	2		6	5	1	4	3	1	2	1	95			3
30	HV	Zone substation switchgear	33kV RMU	No.																			1					1			4	
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.													5	2	8		19	1				7	3	11	56			4
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.					1	3		1		3		3		1	2	8		3			2		2	27			3	
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.							24						20	7	17			8	2	3	8			96			3	
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.																								-			3	
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.				4	2	5	2		1			3	3	2		2		1	3		1		2	31			3	
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	23	50	135	324	328	199	114	8	14	25	11	26	33	27	45	49	25	28	19	28	25	14	20	17	4	1,592		3
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km																							2	2			N/A	
38	HV	Distribution Line	SWER conductor	km			18	86	259	119	37	1	0	0		2	4	2	0	0	1	8	0	0		0	3	0	541		3	
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km				1	3	5	14	3	6	9	5	8	7	18	9	10	11	4	12	8	8	9	6	6		161		3
40	HV	Distribution Cable	Distribution UG PILC	km				4	6	4	1			0		0		1	0	0			0	0				17			3	
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.					4	19	1				5		1	3	1	4	5	1	8	11	5	9	12	9	98			3
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.					6	8								2						5	3			24			4	
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.				7	62	136	481	18	25	23	54	30	61	208	151	133	127	121	125	111	95	111	100	110	2,289			3
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.				1	1	2	23		7	1	4	1	2	8		4								54			4	
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.				4	15	24	46	3	17	20	2	12	5	44	31	36	32	30	61	32	54	36	32	19	555			3
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	1	23	201	419	517	510	535	67	55	113	87	98	66	93	96	97	90	49	49	70	47	46	67	23	3,419			3
48	HV	Distribution Transformer	Ground Mounted Transformer	No.			2	3	27	34	67	9	7	25	20	28	19	41	29	16	27	19	17	6	7	5	8	3	419			3
49	HV	Distribution Transformer	Voltage regulators	No.				1	2				1		4	6		6		3	2	2			1	2		30			3	
51	LV	LV Line	LV OH Conductor	km	12	3	10	38	38	25	5	0	0		0	1	0	1	1	1	1	2	1	2	1	0	2	1	276	423		2
52	LV	LV Cable	LV UG Cable	km				8	29	31	38	9	9	11	10	15	2	27	13	21	13	8	12	5	6	5	7	9	4	292		3
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km				0	3	4	10	2	2	3	5	1		4	3	4	2	1	3	1	3	1	2	2	1	57		3
54	LV	Connections	OH/UG consumer service connections	No.	3,452	747	2,146	2,453	4,161	3,052	1,947	1,299	327	361	458	531	484	538	516	553	402	341	244	128	215	186	216	245	25,002			2
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.											23				10	17	11	3	16	7	11	6	2	29	135			2
56	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot										1														1			4	
58	All	Load Control	Centralised plant	Lot									1					1					1					3			4	

Company Name	Marlborough Lines Ltd
For Year Ended	31 March 2016
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	20
14	SWER (all SWER voltages)	541	
15	22kV (other than SWER)		
16	6.6kV to 11kV (inclusive—other than SWER)	1,594	178
17	Low voltage (< 1kV)	423	349
18	Total circuit length (for supply)	2,836	547
19			
20	Dedicated street lighting circuit length (km)		57
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			
23	Overhead circuit length by terrain (at year end)	(% of total overhead length)	
24	Urban	327	12%
25	Rural	946	33%
26	Remote only		–
27	Rugged only	707	25%
28	Remote and rugged	856	30%
29	Unallocated overhead lines		–
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)	1,843	54%
34		(% of total overhead length)	
35	Overhead circuit requiring vegetation management	2,836	100%

Company Name **Marlborough Lines Ltd**
 For Year Ended **31 March 2016**

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

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

Company Name	Marlborough Lines Ltd
For Year Ended	31 March 2016
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

8 9e(i): Consumer Connections

9 Number of ICPs connected in year by consumer type

10 Consumer types defined by EDB*

11 Residential
12 Non residential
13 Group 4
14 Irrigation
15 Streetlighting

16 * include additional rows if needed

Number of connections (ICPs)

11 169
12 4
13 -
14 1
15 2

17 Connections total

17 176

18 19 Distributed generation

20 Number of connections made in year

20 78

connections

21 Capacity of distributed generation installed in year

21 0.33

MVA

22 9e(ii): System Demand

25 Maximum coincident system demand

26 GXP demand

26 70

27 plus Distributed generation output at HV and above

27 1

28 Maximum coincident system demand

28 71

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

29 0

30 Demand on system for supply to consumers' connection points

30 71

Demand at time of maximum coincident demand (MW)

31 Electricity volumes carried

32 Electricity supplied from GXPs

32 385

33 less Electricity exports to GXPs

33 0

34 plus Electricity supplied from distributed generation

34 11

35 less Net electricity supplied to (from) other EDBs

35 0

36 Electricity entering system for supply to consumers' connection points

36 396

37 less Total energy delivered to ICPs

37 377

38 Electricity losses (loss ratio)

38 19

4.8%

40 Load factor

40 0.64

41 9e(iii): Transformer Capacity

42 Distribution transformer capacity (EDB owned)

42 314

44 Distribution transformer capacity (Non-EDB owned, estimated)

44 19

45 Total distribution transformer capacity

45 333

(MVA)

47 Zone substation transformer capacity

47 316

Company Name	Marlborough Lines Ltd
For Year Ended	31 March 2016
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)	240	
12	Class C (unplanned interruptions on the network)	282	
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	522	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	226	56
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.23	63.1
27	Class C (unplanned interruptions on the network)	0.83	61.1
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	1.06	124.2
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.06	124.2
38			
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
41	* not applicable to exempt EDBs		

Company Name **Marlborough Lines Ltd**

For Year Ended **31 March 2016**

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	0.01	1.1
Vegetation	0.05	2.8
Adverse weather	0.07	5.8
Adverse environment	0.01	2.6
Third party interference	0.10	6.3
Wildlife	0.13	7.4
Human error	0.01	0.6
Defective equipment	0.14	19.1
Cause unknown	0.32	15.3

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.00	0.1
Subtransmission cables	0.00	0.0
Subtransmission other	0.00	0.4
Distribution lines (excluding LV)	0.03	7.4
Distribution cables (excluding LV)	0.00	0.2
Distribution other (excluding LV)	0.20	55.0

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.10	7.9
Subtransmission cables	-	-
Subtransmission other	0.05	3.4
Distribution lines (excluding LV)	0.35	34.8
Distribution cables (excluding LV)	0.05	1.8
Distribution other (excluding LV)	0.29	13.2

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	-	20	-
Subtransmission other	1		
Distribution lines (excluding LV)	211	2,135	9.88
Distribution cables (excluding LV)	12	178	6.74
Distribution other (excluding LV)	56		
Total	282		