



Marlborough Lines

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

Company Name	Marlborough Lines Limited
Disclosure Date	31 August 2015
Disclosure Year (year ended)	31 March 2015

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 Limited**
 For Year Ended **31 March 2015**

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	33,180	506	171,983	3,694	39,754
10	Network	17,058	260	88,416	1,899	20,437
11	Non-network	16,122	246	83,567	1,795	19,317
12						
13	Expenditure on assets	32,597	497	168,960	3,629	39,055
14	Network	22,007	336	114,070	2,450	26,367
15	Non-network	10,590	162	54,890	1,179	12,688
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	91,750	1,399			
20	Standard consumer line charge revenue	91,573	1,397			
21	Non-standard consumer line charge revenue	–	–			
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	15,251				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		15.80			Interruptions per 100 circuit km

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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 13	31 Mar 14	31 Mar 15
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	1.88%	2.41%	1.40%
10	Excluding revenue earned from financial incentives	1.88%	2.41%	1.40%
11	Excluding revenue earned from financial incentives and wash-ups	1.88%	2.41%	1.40%
12				
13				
14	Mid-point estimate of post tax WACC	5.85%	5.43%	6.10%
15	25th percentile estimate	5.13%	4.71%	5.39%
16	75th percentile estimate	6.56%	6.14%	6.82%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	2.66%	3.09%	2.18%
21	Excluding revenue earned from financial incentives	2.66%	3.09%	2.18%
22	Excluding revenue earned from financial incentives and wash-ups	2.66%	3.09%	2.18%
23				
24	WACC rate used to set regulatory price path			
25				
26	Mid-point estimate of vanilla WACC	6.62%	6.11%	6.89%
27	25th percentile estimate	5.91%	5.39%	6.17%
28	75th percentile estimate	7.34%	6.83%	7.60%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	215,025		
33	plus Opening deferred tax	(765)		
34	Opening RIV		214,260	
35				
36	Line charge revenue		34,527	
37				
38	Expenses cash outflow	20,552		
39	add Assets commissioned	11,814		
40	less Asset disposals	301		
41	add Tax payments	401		
42	less Other regulated income	804		
43	Mid-year net cash outflows		31,661	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	217,515		
48	less Adjustment resulting from asset allocation	0		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(1,412)		
51	Closing RIV		216,104	
52				
53	ROI – comparable to a vanilla WACC			2.18%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			6.36%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			1.40%
60				

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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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		2.14%
95			
96	Year-end ROI – comparable to a post tax WACC		1.36%
97			
98	<i>* 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.</i>		
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 Limited**
 For Year Ended **31 March 2015**

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	34,527
10	plus Gains / (losses) on asset disposals	66
11	plus Other regulated income (other than gains / (losses) on asset disposals)	738
12		
13	Total regulatory income	35,331
14	Expenses	
15	less Operational expenditure	12,486
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	8,066
18		
19	Operating surplus / (deficit)	14,779
20		
21	less Total depreciation	9,203
22		
23	plus Total revaluations	180
24		
25	Regulatory profit / (loss) before tax	5,756
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	1,047
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	4,709
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	63
36	Commerce Act levies	25
37	Industry levies	94
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	7,100
41	Transpower new investment contract charges	523
42	System operator services	
43	Distributed generation allowance	261
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	8,066
47		

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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 14	31 Mar 15
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 10		
58	CY-4 31 Mar 11		
59	CY-3 31 Mar 12		
60	CY-2 31 Mar 13		
61	CY-1 31 Mar 14		
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 2015**

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 11 (\$000)	RAB 31 Mar 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)
	Total opening RAB value	187,239	196,333	202,181	207,971	215,025
	less Total depreciation	8,870	8,829	8,526	9,120	9,203
	plus Total revaluations	4,513	3,038	1,709	3,188	180
	plus Assets commissioned	13,451	11,639	12,607	13,161	11,814
	less Asset disposals				175	301
	plus Lost and found assets adjustment					-
	plus Adjustment resulting from asset allocation					0
	Total closing RAB value	196,333	202,181	207,971	215,025	217,515

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		215,025		215,025
	less Total depreciation		9,203		9,203
	plus Total revaluations		180		180
	plus Assets commissioned (other than below)	11,814		11,814	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	Assets commissioned		11,814		11,814
	less Asset disposals (other than below)	301		301	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		301		301
	plus Lost and found assets adjustment		-		-
	plus Adjustment resulting from asset allocation				0
	Total closing RAB value		217,515		217,515

* 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 2015**

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	1,193
CPI _{t-4}	1,192
Revaluation rate (%)	0.08%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	215,025		215,025	
<i>less</i> Opening value of fully depreciated, disposed and lost assets				
Total opening RAB value subject to revaluation	215,025		215,025	
Total revaluations		180		180

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		1,985		1,985
<i>plus</i> Capital expenditure	12,122		12,122	
<i>less</i> Assets commissioned	11,814		11,814	
<i>plus</i> Adjustment resulting from asset allocation				
Works under construction - current disclosure year		2,293		2,292

Highest rate of capitalised finance applied

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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)
77	9,203		9,203	
78				
79				
80				
81				
82				
83		9,203		9,203
84				

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
98										
99	17,376	7,477	34,923	48,081	46,083	23,663	16,613	5,847	14,962	215,025
100	less									
101	572	175	990	2,262	1,373	962	788	381	1,700	9,203
102	plus									
103	15	6	29	40	39	20	14	5	13	180
104	plus									
105	878	485	1,218	2,994	879	380	889	845	3,247	11,814
106	less									
107	112	--	--	86	1	10	51	--	41	301
108	plus									
109	--	--	--	--	--	--	--	--	--	--
110	plus									
111	--	--	--	--	--	--	--	--	--	--
	Total closing RAB value									
	17,585	7,793	35,181	48,767	45,626	23,090	16,677	6,316	16,480	217,515
	Asset Life									
	Weighted average remaining asset life	44.0	44.5	34.6	37.8	38.6	29.6	27.0	9.2	21.0
	Weighted average expected total asset life	59.1	54.4	43.8	56.6	50.6	45.3	39.8	13.6	31.5

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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 100.

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		5,756
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	23	*
12	Amortisation of initial differences in asset values	3,392	
13	Amortisation of revaluations	564	
14			3,979
15			
16	<i>less</i> Total revaluations	180	
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	5,814	
21			5,994
22			
23	Regulatory taxable income		3,741
24			
25	<i>less</i> Utilised tax losses		
26	Regulatory net taxable income		3,741
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		1,047

* 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	115,328	
37	<i>less</i> Amortisation of initial differences in asset values	3,392	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	258	
40	Closing unamortised initial differences in asset values		111,678
41			
42	Opening weighted average remaining useful life of relevant assets (years)		34
43			

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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 100.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	204,693	
47			
48	Adjusted depreciation	8,639	
49	Total depreciation	9,203	
50	Amortisation of revaluations		564
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	(765)	
61			
62	plus Tax effect of adjusted depreciation	2,419	
63			
64	less Tax effect of tax depreciation	1,986	
65			
66	plus Tax effect of other temporary differences*	(195)	
67			
68	less Tax effect of amortisation of initial differences in asset values	950	
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	(65)	
73			
74	plus Deferred tax cost allocation adjustment	(0)	
75			
76	Closing deferred tax		(1,412)
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	73,313	
84	less Tax depreciation	7,092	
85	plus Regulatory tax asset value of assets commissioned	10,922	
86	less Regulatory tax asset value of asset disposals	70	
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		77,073

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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

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5b(i): Summary—Related Party Transactions

(\$000)

Total regulatory income	
Operational expenditure	34
Capital expenditure	
Market value of asset disposals	
Other related party transactions	

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

Name of related party	Related party relationship
Cuddon Ltd	Directors Relationship

* include additional rows if needed

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	Purchases of Goods and Services	34	ID clause 2.3.6(1)(a)

* include additional rows if needed

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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 Limited**
 For Year Ended **31 March 2015**

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		933			
12	Not directly attributable		197		197	
13	Total attributable to regulated service		1,130			
14	Vegetation management					
15	Directly attributable		1,966			
16	Not directly attributable		305		305	
17	Total attributable to regulated service		2,271			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		2,255			
20	Not directly attributable		357		357	
21	Total attributable to regulated service		2,612			
22	Asset replacement and renewal					
23	Directly attributable		340			
24	Not directly attributable		66		66	
25	Total attributable to regulated service		406			
26	System operations and network support					
27	Directly attributable		2,347			
28	Not directly attributable		40		40	
29	Total attributable to regulated service		2,387			
30	Business support					
31	Directly attributable		3,680			
32	Not directly attributable				-	
33	Total attributable to regulated service		3,680			
34						
35	Operating costs directly attributable		11,521			
36	Operating costs not directly attributable	-	965	-	965	-
37	Operational expenditure		12,486			
38						

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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	182
43	Not directly attributable	
44	Total attributable to regulated service	182
45	Recoverable costs	
46	Directly attributable	7,884
47	Not directly attributable	
48	Total attributable to regulated service	7,884

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

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

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

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

* a change in cost allocation must be completed for each cost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.

† include additional rows if needed

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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

7	6a(i): Expenditure on Assets		(\$000)	(\$000)
8	Consumer connection			503
9	System growth			52
10	Asset replacement and renewal			4,362
11	Asset relocations			508
12	Reliability, safety and environment:			
13	Quality of supply	2,559		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	298		
16	Total reliability, safety and environment			2,857
17	Expenditure on network assets			8,282
18	Expenditure on non-network assets			3,985
19				
20	Expenditure on assets			12,267
21	plus Cost of financing			
22	less Value of capital contributions			145
23	plus Value of vested assets			
24				
25	Capital expenditure			12,122
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	All		503	
33				
34				
35				
36				
37	<i>* include additional rows if needed</i>			
38	Consumer connection expenditure			503
39	less Capital contributions funding consumer connection expenditure		14	
40	Consumer connection less capital contributions			488
41				
42	6a(iv): System Growth and Asset Replacement and Renewal			
43			System Growth	Asset Replacement and Renewal
44			(\$000)	(\$000)
45	Subtransmission	40		937
46	Zone substations	3		157
47	Distribution and LV lines			2,542
48	Distribution and LV cables	8		430
49	Distribution substations and transformers	0		11
50	Distribution switchgear			285
51	Other network assets			-
52	System growth and asset replacement and renewal expenditure	52		4,362
53	less Capital contributions funding system growth and asset replacement and renewal			41
54	System growth and asset replacement and renewal less capital contributions	52		4,321
55				
56	6a(v): Asset Relocations			
57	<i>Project or programme*</i>		(\$000)	(\$000)
58	Underground Conversions		294	
59	Roading Authority Relocations			
60	Forestry Relocations		141	
61	Other relocations		73	
62				
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations			
65	Asset relocations expenditure			508
66	less Capital contributions funding asset relocations		89	
67	Asset relocations less capital contributions			419

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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		276	
72	Network Automation		1,604	
73	Digital Radio Network		266	
74	Alternative Supplies		76	
75	Generators		337	
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply			
78	Quality of supply expenditure			2,559
79	less Capital contributions funding quality of supply		-	
80	Quality of supply less capital contributions			2,559
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83	All			
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)		204	
96	Tee Joint Removal		69	
97	SWER Reinsulation			
98	General		26	
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			298
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			298
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Motor Vehicle Purchaess		1,585	
110	Plant and Equipment		210	
111	Computer Hardware and Software		198	
112	Test Equipment		171	
113	Radio Network		141	
114	Software Development / Upgrades		52	
115	<i>* include additional rows if needed</i>			
116	All other projects or programmes - routine expenditure		56	
117	Routine expenditure			2,413
118	Atypical expenditure			
119	<i>Project or programme*</i>		(\$000)	(\$000)
120	Building and Land Alterations		244	
121	Outage managment Software Purchase		130	
122	Asset Managemnt Software purchase and implementation		628	
123	Vehicle Shed		194	
124	Computer UPS and Switch Upgrade		211	
125	Defibulators for vehicle fleet		165	
126	<i>* include additional rows if needed</i>			
127	All other projects or programmes - atypical expenditure			1,572
128	Expenditure on non-network assets			3,985

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

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	1,130	
9	Vegetation management	2,271	
10	Routine and corrective maintenance and inspection	2,612	
11	Asset replacement and renewal	406	
12	Network opex		6,419
13	System operations and network support	2,387	
14	Business support	3,680	
15	Non-network opex		6,067
16			
17	Operational expenditure		12,486
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		233
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2015

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

7(i): Revenue		Target (\$000) ¹	Actual (\$000)	% variance
7				
8	Line charge revenue	34,109	34,527	1%
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
9				
10	Consumer connection	300	503	68%
11	System growth	500	52	(90%)
12	Asset replacement and renewal	6,050	4,362	(28%)
13	Asset relocations	450	508	13%
14	Reliability, safety and environment:			
15	Quality of supply	3,100	2,559	(17%)
16	Legislative and regulatory		-	-
17	Other reliability, safety and environment	300	298	(1%)
18	Total reliability, safety and environment	3,400	2,857	(16%)
19	Expenditure on network assets	10,700	8,282	(23%)
20	Expenditure on non-network assets	2,170	3,985	84%
21	Expenditure on assets	12,870	12,267	(5%)
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	1,035	1,130	9%
24	Vegetation management	1,863	2,271	22%
25	Routine and corrective maintenance and inspection	1,863	2,612	40%
26	Asset replacement and renewal	1,242	406	(67%)
27	Network opex	6,003	6,419	7%
28	System operations and network support	2,749	2,387	(13%)
29	Business support	3,461	3,680	6%
30	Non-network opex	6,210	6,067	(2%)
31	Operational expenditure	12,213	12,486	2%
7(iv): Subcomponents of Expenditure on Assets (where known)				
32				
33	Energy efficiency and demand side management, reduction of energy losses		-	-
34	Overhead to underground conversion		-	-
35	Research and development		-	-
36				
7(v): Subcomponents of Operational Expenditure (where known)				
37				
38	Energy efficiency and demand side management, reduction of energy losses		-	-
39	Direct billing		-	-
40	Research and development		-	-
41	Insurance		233	-
42				

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

2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

sch.ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	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 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							
Residential	Residential	Standard	20,970	143,448		100,985	38,194	3,914	355														
Business	Commercial	Standard	3,178	76,791		73,010	1,883	854		308												736	
Bulk ToU	Commercial	Standard	108	131,299								95,310	35,988										
Irrigation	Irrigation	Standard	333	22,530									22,054	476									
Streetlighting	Streetlighting	Standard	85	2,245																	2,245		
		[Select one]																					
Wahopai	Generation	Non-standard																					
		[Select one]																					
		[Select one]																					
		[Select one]																					
Standard consumer totals				24,674	376,312		173,995	40,077	4,768	355	308	95,310	35,988	22,054	476	2,245	736						
Non-standard consumer totals																							
Total for all consumers				24,674	376,312		173,995	40,077	4,768	355	308	95,310	35,988	22,054	476	2,245	736						

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

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2015
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	Data accuracy	
					year (quantity)	year (quantity)	Net change	(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	17,297	17,376	79	3
9	All	Overhead Line	Wood poles	No.	10,710	10,777	67	3
10	All	Overhead Line	Other pole types	No.	2,528	2,346	(182)	3
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	284	282	(2)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	17	20	3	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	-	-	-	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	-	3
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.	99	100	1	3
28	HV	Zone substation switchgear	33kV RMU	No.	1	1	-	4
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	43	43	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	31	31	-	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	107	107	-	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	12	12	-	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	30	31	1	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,602	1,597	(5)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	542	542	(0)	3
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	143	148	5	3
38	HV	Distribution Cable	Distribution UG PILC	km	28	28	0	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.	97	99	2	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	16	17	1	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2,049	2,110	61	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	4	5	1	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	258	264	6	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,371	3,392	21	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	427	436	9	3
47	HV	Distribution Transformer	Voltage regulators	No.	29	30	1	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
49	LV	LV Line	LV OH Conductor	km	426	423	(3)	2
50	LV	LV Cable	LV UG Cable	km	276	283	7	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	54	55	1	3
52	LV	Connections	OH/UG consumer service connections	No.	24,909	25,076	167	2
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	115	109	(6)	2
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	-	4
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 2015**
 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	Disclosure Year (year ended)	Number of assets at disclosure year end by installation date																				No. with age unknown	end of year (quantity)	No. with default dates	Data accuracy (1-4)										
		1940	1949	1950	1959	1960	1969	1970	1979	1980	1989	1990	2000	2001	2002	2003	2004	2005	2006	2007	2008					2009	2010	2011	2012	2013	2014	2015			
9	131 March 2015																																		
10	All	Overhead Line	Concrete poles / steel structure	No.	1,716	549	2,507	2,820	2,563	1,893	298	53	115	136	187	181	172	295	528	564	448	516	340	450	321	260	260	202	17,376						
11	All	Overhead Line	Wood poles	No.	44	63	185	2,033	3,711	1,963	1,115	53	107	154	176	75	115	87	25	126	30	127	34	84	37	28	110	295	10,777						
12	All	Overhead Line	Other pole types	No.	144	224	464	724	396	103	18	-	3	2	4	1	1	-	1	2	3	3	4	9	8	2	8	224	2,346						
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	29	5	5	64	60	58	0	-	-	0	4	-	0	-	0	3	7	14	1	15	6	8	1	0	282						
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km																															
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km					0	1	0	-	-	2	-	0	-	0	1	5	4	0	2	0	1	1	2								
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km																															
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km																															
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km																															
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km																															
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																															
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																															
22	HV	Subtransmission Cable	Subtransmission submarine cable	km																															
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.				1	2	2	1							1	4			1	3			1									
24	HV	Zone substation Buildings	Zone substations 110kV+	No.																															
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																															
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.																															
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																															
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.				3	18	30	1	2						8	2				6	5	1	4	3	1	2						
29	HV	Zone substation switchgear	33kV RMU	No.																															
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.																															
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.					1	7													5	2	8										
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.																															
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.																															
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.																															
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	26	51	133	326	294	195	111	8	14	25	11	26	34	27	46	49	25	27	19	28	24	14	20								
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km																															
37	HV	Distribution Line	SWER conductor	km			18	84	186	113	34	1	0	0				2	4	1	0	0	0	1	8	0	0								
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km						5	12	2	5	8	4	7	6	19	9	10	11	4	12	8	8	9	5								
39	HV	Distribution Cable	Distribution UG PILC	km				5	8	5	2	0	0	0	0	1								0	0	0	0								
40	HV	Distribution Cable	Distribution Submarine Cable	km																															
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.					5	20	1																								
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.					6	8																									
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.				8	63	101	494	18	26	23	51	29	56	164	119	115	132	124	128	111	85	94	93								
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.																															
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.					1	22	27	23	-	5	1	5	13	4	31	16	15	23	11	16	12	20	11	8							
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	1	25	208	430	515	508	539	67	56	113	88	98	65	95	95	98	91	49	52	65	44	50	40								
47	HV	Distribution Transformer	Ground Mounted Transformer	No.			2	7	33	36	70	9	7	26	19	27	19	43	35	17	27	16	16	9	9	5	4								
48	HV	Distribution Transformer	Voltage regulators	No.																															
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.																															
50	LV	LV Line	LV OH Conductor	km	13	2	10	40	40	26	5	0	0	0	0	0	1	1	1	1	1	1	2	1	2	1	1								
51	LV	LV Cable	LV UG Cable	km				8	29	32	38	9	8	11	9	14	2	28	12	21	13	8	12	5	6	5	6								
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km				0	4	4	10	1	2	3	5	0		4	3	4	2	1	3	1	3	2	1								
53	LV	Connections	OH/UG consumer service connections	No.	1,520	882	2,217	2,629	4,196	3,777	3,031	1,235	332	362	462	539	489	545	524	560	407	345	247	131	216	187	243								
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.																															
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot																															
56	All	Capacitor Banks	Capacitors including controls	Lot																															
57	All	Load Control	Centralised plant	Lot																															
58	All	Load Control	Relays	Lot																															
59	All	Load Control	Cable Tunnels	km																															
60	All	Civils	Cable Tunnels	km																															

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2015
Network / Sub-network Name	

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

9				
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)
11	> 66kV			–
12	50kV & 66kV			–
13	33kV	282	20	302
14	SWER (all SWER voltages)	542		542
15	22kV (other than SWER)			–
16	6.6kV to 11kV (inclusive—other than SWER)	1,597	176	1,773
17	Low voltage (< 1kV)	426	338	764
18	Total circuit length (for supply)	2,847	534	3,380
19				
20	Dedicated street lighting circuit length (km)	–	62	62
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			615
22				
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)	
24	Urban	331	12%	
25	Rural	953	33%	
26	Remote only		–	
27	Rugged only	701	25%	
28	Remote and rugged	859	30%	
29	Unallocated overhead lines	3	0%	
30	Total overhead length	2,847	100%	
31				
32		Circuit length (km)	(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,843	55%	
34		Circuit length (km)	(% of total overhead length)	
35	Overhead circuit requiring vegetation management	2,847	100%	

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2015**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

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

* 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 2015**

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
Business
Bulk ToU
Irrigation
Streetlighting

* include additional rows if needed

Number of connections (ICPs)

208
3
-
(1)
18

Connections total

228

Distributed generation

Number of connections made in year

75

connections

Capacity of distributed generation installed in year

2.43

MVA

9e(ii): System Demand

Maximum coincident system demand

GXP demand

70

plus Distributed generation output at HV and above

3

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

383

less Electricity exports to GXPs

--

plus Electricity supplied from distributed generation

14

less Net electricity supplied to (from) other EDBs

--

Electricity entering system for supply to consumers' connection points

397

less Total energy delivered to ICPs

376

Electricity losses (loss ratio)

21

5.2%

Load factor

0.62

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

314

Distribution transformer capacity (Non-EDB owned, estimated)

19

Total distribution transformer capacity

333

Zone substation transformer capacity

310

(MVA)

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2015
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)	223	
12	Class C (unplanned interruptions on the network)	311	
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	534	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	226	85
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	52.0
27	Class C (unplanned interruptions on the network)	1.18	77.9
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	1.41	129.9
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.41	129.91
38			
39	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*		
41	* not applicable to exempt EDBs		

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2015
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	2.7
Vegetation	0.05	8.1
Adverse weather	0.10	18.7
Adverse environment	–	0.0
Third party interference	0.09	6.6
Wildlife	0.13	5.2
Human error	0.45	8.0
Defective equipment	0.34	27.9
Cause unknown	–	0.5

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	–	0.7
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.22	50.3
Distribution cables (excluding LV)	0.01	1.1
Distribution other (excluding LV)		

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.47	10.4
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.48	54.9
Distribution cables (excluding LV)	0.02	4.5
Distribution other (excluding LV)	0.22	8.1

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	6	282	2.13
Subtransmission cables	–	20	–
Subtransmission other			
Distribution lines (excluding LV)	262	2,139	12.25
Distribution cables (excluding LV)	9	176	5.11
Distribution other (excluding LV)	34		
Total	311		



**EDB Information Disclosure Requirements
Information Templates
for
Schedules 11a–13**

Company Name	Marlborough Lines Ltd
Disclosure Date	31 March 2015
AMP Planning Period Start Date (first day)	1 April 2015

Templates for Schedules 11a–13 (Asset Management Plan)
Template Version 3.0. Prepared 13 December 2013

Table of Contents

Schedule Description

Asset Management Plan Schedule Templates

- 11a [Report on Forecast Capital Expenditure](#)
- 11b [Report on Forecast Operational Expenditure](#)
- 12a [Report on Asset Condition](#)
- 12b [Report on Forecast Capacity](#)
- 12c [Report on Forecast Demand](#)
- 12d [Report on Forecast Interruptions and Duration](#)
- 13 [Report on Asset Management Maturity](#)

Disclosure Template Guidelines for Information Entry

These templates have been prepared for use by EDBs when making disclosures under subclauses 2.6.1(4), 2.6.1(5) and 2.6.5(5) of the Electricity Distribution Information Disclosure Determination 2012. Disclosures made under subclauses 2.6.1(4) and 2.6.1(5) must be made before the start of each disclosure year. Disclosures made under subclauses 2.6.5(5) must be made within 5 months after the start of the disclosure year. The information disclosed under 2.6.5(5) should be identical to that disclosed under 2.6.1(4) and 2.6.1(5).

Under clause 2.6.3, EDBs can elect to complete and publicly disclose before the start of the disclosure year, an **AMP update**.

EDBs can elect to complete and publicly disclose an AMP update instead of a full AMP in the following years:

- 31 March 2014
- 31 March 2015

If electing to complete an AMP update, EDBs can choose to not complete and disclose Schedule 13: Report on Asset Management Maturity Table. Schedule 13 sheet should be removed if not completed.

If disclosing a Full AMP, EDBs must complete and disclose Schedule 13.

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 first day of the 10 year planning period 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 (planning period start date) is used to calculate disclosure years in the column headings that show above some of the tables. It is also used to calculate the AMP planning period dates 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. Under no circumstances should the formulas in a calculated cell be overwritten.

Validation Settings on Data Entry Cells

To maintain a consistency of format and to guard against errors in data entry, some data entry cells test entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names or to values between 0% and 100%.

Where this occurs, a validation message will appear when data is being entered.

Conditional Formatting Settings on Data Entry Cells

Schedule 12a columns G to K contains conditional formatting. The cells will change colour if the row totals do not add to 100%.

Inserting Additional Rows

The templates for schedules 11a, 12b and 12c may require additional rows to be inserted in tables marked 'include additional rows if needed'.

Additional rows 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.

For schedule 12b the formula for column J (Utilisation of Installed Firm Capacity %) will need to be copied into the inserted row(s).

Schedule 11a & 11b

Schedule 11a requires Capital and Operational Expenditure to be expressed in both nominal and constant prices.

The differences between the nominal and constant prices should reflect EDB expectations of the impact of changes in the costs of its labour, materials and other inputs (ie, inflationary pressures).

Schedule 12b(ii)

The purpose of schedule 12b(ii) is to disclose transformer capacity as at the end of the current year. As the information may not be available in time for disclosures made under subclause 2.6.1(4), but available for disclosures made under 2.6.5(5), EDBs can choose not to disclose transformer capacity under schedule 12b(ii). EDBs who do not disclose transformer capacity under schedule 12b(ii) must disclose the information in schedule 9e(iii). Accordingly, the Excel template has been modified to allow the value "N/A" to be entered into these input cells.

Schedule 12d Report Forecast Interruptions and Duration sub-network disclosures

If the supplier has sub-networks, schedule 12d must be completed for the network and for each sub-network. A copy of the schedule 12d worksheet must be made for each sub-network.

Schedule 13 Report on Asset Management Maturity

The name of the standard applied (eg, 'PAS55') must be entered in cell K4.

Company Name **Marlborough Lines Ltd**
 AMP Planning Period **1 April 2015 – 31 March 2025**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

sch ref		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
		for year ended 31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25
7												
8												
9	11a(i): Expenditure on Assets Forecast	\$000 (in nominal dollars)										
10	Consumer connection	160	200	203	206	209	212	215	219	222	225	229
11	System growth	180	-	-	-	-	-	162	164	166	169	172
12	Asset replacement and renewal	5,255	6,155	6,212	4,378	6,065	6,501	6,033	7,217	7,880	7,998	8,118
13	Asset relocations	205	185	206	2,266	993	1,486	1,508	656	222	225	229
14	Reliability, safety and environment:											
15	Quality of supply	2,250	3,198	2,462	2,292	2,091	1,380	1,454	1,148	1,165	1,183	1,201
16	Legislative and regulatory	50	50	52	52	52	53	54	55	55	56	57
17	Other reliability, safety and environment	340	220	917	690	779	791	1,163	1,093	555	563	572
18	Total reliability, safety and environment	2,640	3,468	3,431	3,034	2,923	2,224	2,672	2,296	1,776	1,802	1,829
19	Expenditure on network assets	8,440	10,008	10,052	9,885	10,190	10,423	10,590	10,552	10,266	10,420	10,576
20	Non-network assets	3,385	1,929	1,545	1,391	1,569	1,433	1,616	1,640	1,665	1,690	1,715
21	Expenditure on assets	11,825	11,937	11,597	11,276	11,759	11,855	12,206	12,192	11,931	12,110	12,291
22												
23	plus Cost of financing											
24	less Value of capital contributions	100	102	103	105	106	108	109	111	113	114	116
25	plus Value of vested assets											
26												
27	Capital expenditure forecast	11,725	11,835	11,494	11,171	11,653	11,748	12,096	12,081	11,818	11,995	12,175
28												
29	Value of commissioned assets	11,825	11,937	11,597	11,276	11,759	11,855	12,206	12,192	11,931	12,110	12,291
30												
31												
32												
33												
34												
35												
36												
37	Reliability, safety and environment:											
38	Quality of supply	2,250	3,198	2,390	2,225	2,000	1,300	1,350	1,050	1,050	1,050	1,050
39	Legislative and regulatory	50	50	50	50	50	50	50	50	50	50	50
40	Other reliability, safety and environment	340	220	890	670	745	745	1,080	1,000	500	500	500
41	Total reliability, safety and environment	2,640	3,468	3,330	2,945	2,795	2,095	2,480	2,100	1,600	1,600	1,600
42	Expenditure on network assets	8,440	10,008	9,760	9,595	9,745	9,820	9,830	9,650	9,250	9,250	9,250
43	Non-network assets	3,385	1,900	1,500	1,350	1,500	1,350	1,500	1,500	1,500	1,500	1,500
44	Expenditure on assets	11,825	11,908	11,260	10,945	11,245	11,170	11,330	11,150	10,750	10,750	10,750
45												
46	Subcomponents of expenditure on assets (where known)											
47	Energy efficiency and demand side management, reduction of energy losses											
48	Overhead to underground conversion											
49	Research and development											

Company Name **Marlborough Lines Ltd**
 AMP Planning Period **1 April 2015 – 31 March 2025**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

sch ref		for year ended										
		Current Year CY 31 Mar 15	CY+1 31 Mar 16	CY+2 31 Mar 17	CY+3 31 Mar 18	CY+4 31 Mar 19	CY+5 31 Mar 20	CY+6 31 Mar 21	CY+7 31 Mar 22	CY+8 31 Mar 23	CY+9 31 Mar 24	CY+10 31 Mar 25
57		\$000										
58	Difference between nominal and constant price forecasts											
59	Consumer connection	-	-	3	6	9	12	15	19	22	25	29
60	System growth	-	-	-	-	-	-	12	14	16	19	22
61	Asset replacement and renewal	-	-	182	128	265	376	433	617	780	898	1,018
62	Asset relocations	-	-	6	66	43	86	108	56	22	25	29
63	Reliability, safety and environment:											
64	Quality of supply	-	-	72	67	91	80	104	98	115	133	151
65	Legislative and regulatory	-	-	2	2	2	3	4	5	5	6	7
66	Other reliability, safety and environment	-	-	27	20	34	46	83	93	55	63	72
67	Total reliability, safety and environment	-	-	101	89	128	129	192	196	176	202	229
68	Expenditure on network assets	-	-	292	290	445	603	760	902	1,016	1,170	1,326
69	Non-network assets	-	28	45	41	69	83	116	140	165	190	215
70	Expenditure on assets	-	29	337	331	514	685	876	1,042	1,181	1,360	1,541
71												
72												
73												
74	11a(ii): Consumer Connection											
75	Consumer types defined by EDB*	\$000 (in constant prices)										
76	all	160	200	200	200	200	200					
77												
78												
79												
80												
81	*include additional rows if needed											
82	Consumer connection expenditure	160	200	200	200	200	200					
83	less Capital contributions funding consumer connection											
84	Consumer connection less capital contributions	160	200	200	200	200	200					
85	11a(iii): System Growth											
86	Subtransmission	180										
87	Zone substations											
88	Distribution and LV lines											
89	Distribution and LV cables											
90	Distribution substations and transformers											
91	Distribution switchgear											
92	Other network assets											
93	System growth expenditure	180	-	-	-	-	-	-	-	-	-	-
94	less Capital contributions funding system growth											
95	System growth less capital contributions	180	-	-	-	-	-	-	-	-	-	-

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

sch ref

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20
11a(iv): Asset Replacement and Renewal	\$000 (in constant prices)					
Subtransmission	1,500	1,475	800	1,500	600	600
Zone substations	75	1,100	100	600	950	900
Distribution and LV lines	3,000	2,575	3,235	1,575	2,650	2,775
Distribution and LV cables	280	50	600	100	750	450
Distribution substations and transformers	400	475	875	75	400	575
Distribution switchgear		480	420	400	450	825
Other network assets						
Asset replacement and renewal expenditure	5,255	6,155	6,030	4,250	5,800	6,125
less Capital contributions funding asset replacement and renewal						
Asset replacement and renewal less capital contributions	5,255	6,155	6,030	4,250	5,800	6,125
11a(v):Asset Relocations						
<i>Project or programme*</i>						
Underground conversions	125	150	200	2,200	950	1,400
Roading Authority Relocations	-	-	-	-	-	-
Forestry Relocations	80	-	-	-	-	-
Other relocations		35				
<i>*include additional rows if needed</i>						
All other asset relocations projects or programmes						
Asset relocations expenditure	205	185	200	2,200	950	1,400
less Capital contributions funding asset relocations						
Asset relocations less capital contributions	205	185	200	2,200	950	1,400
11a(vi):Quality of Supply						
<i>Project or programme*</i>						
SCADA	250	340	340	200	200	200
Network Automation	1,250	1,098	1,000	1,275	1,250	800
Digital Radio Network	700	650	650	250	-	-
Alternative Supplies		1,110	400	500	550	300
Generators	50	-	-	-	-	-
<i>*include additional rows if needed</i>						
All other quality of supply projects or programmes						
Quality of supply expenditure	2,250	3,198	2,390	2,225	2,000	1,300
less Capital contributions funding quality of supply						
Quality of supply less capital contributions	2,250	3,198	2,390	2,225	2,000	1,300
11a(vii): Legislative and Regulatory						
<i>Project or programme*</i>						
General	50	50	50	50	50	50
<i>*include additional rows if needed</i>						
All other legislative and regulatory projects or programmes						
Legislative and regulatory expenditure	50	50	50	50	50	50
less Capital contributions funding legislative and regulatory						
Legislative and regulatory less capital contributions	50	50	50	50	50	50

Company Name **Marlborough Lines Ltd**
 AMP Planning Period **1 April 2015 – 31 March 2025**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

sch ref

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Current Year CY
for year ended **31 Mar 15** **31 Mar 16** **31 Mar 17** **31 Mar 18** **31 Mar 19** **31 Mar 20**

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

Project or programme*	5000 (in constant prices)					
Earthing (NERs and Resonant)	250	-	500	450	500	500
Tee Joint Removal	90	100	150	100	125	125
SWER Reinsulation		120	240	120	120	120
Other reliability, safety and environment expenditure	340	220	890	670	745	745
less Capital contributions funding other reliability, safety and environment						
Other reliability, safety and environment less capital contributions	340	220	890	670	745	745

11a(ix): Non-Network Assets

Routine expenditure						
Project or programme*	5000 (in constant prices)					
Test Equipment	210	50	50	50	50	50
Plant and Tools	440	280	250	300	250	300
Vehicles	1,250	240	500	250	500	250
Land, Buildings and office equipment	435	110	300	350	300	350
IT Computers	1,050	820	400	400	400	400
Routine expenditure	3,385	1,500	1,500	1,350	1,500	1,350
Atypical expenditure						
Project or programme*	5000 (in constant prices)					
Building Earthquake resilience		400				
Atypical expenditure	-	400	-	-	-	-
Non-network assets expenditure	3,385	1,900	1,500	1,350	1,500	1,350

Company Name **Marlborough Lines Ltd**
 AMP Planning Period **1 April 2015 – 31 March 2025**

SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE

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

sch ref		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
	for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25
9	Operational Expenditure Forecast	\$000 (in nominal dollars)										
10	Service interruptions and emergencies	900	914	927	941	955	970	984	999	1,014	1,029	1,044
11	Vegetation management	2,140	2,456	2,493	2,531	2,568	2,607	2,646	2,686	2,726	2,767	2,809
12	Routine and corrective maintenance and inspection	2,650	2,741	2,782	2,823	2,866	2,909	2,952	2,997	3,042	3,087	3,133
13	Asset replacement and renewal	210	218	221	225	228	232	235	239	242	246	250
14	Network Opex	5,900	6,329	6,423	6,520	6,618	6,717	6,818	6,920	7,024	7,129	7,236
15	System operations and network support	1,900	1,954	1,983	2,013	2,043	2,074	2,105	2,136	2,168	2,201	2,234
16	Business support	3,500	3,553	3,606	3,660	3,715	3,770	3,827	3,884	3,943	4,002	4,062
17	Non-network opex	5,400	5,506	5,589	5,673	5,758	5,844	5,932	6,021	6,111	6,203	6,296
18	Operational expenditure	11,300	11,835	12,012	12,193	12,375	12,561	12,750	12,941	13,135	13,332	13,532
19		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
20	for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25
21		\$000 (in constant prices)										
22	Service interruptions and emergencies	900	900	900	900	900	900	900	900	900	900	900
23	Vegetation management	2,140	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420
24	Routine and corrective maintenance and inspection	2,650	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700
25	Asset replacement and renewal	210	215	215	215	215	215	215	215	215	215	215
26	Network Opex	5,900	6,235	6,235	6,235	6,235	6,235	6,235	6,235	6,235	6,235	6,235
27	System operations and network support	1,900	1,925	1,925	1,925	1,925	1,925	1,925	1,925	1,925	1,925	1,925
28	Business support	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
29	Non-network opex	5,400	5,425	5,425	5,425	5,425	5,425	5,425	5,425	5,425	5,425	5,425
30	Operational expenditure	11,300	11,660	11,660	11,660	11,660	11,660	11,660	11,660	11,660	11,660	11,660
31	Subcomponents of operational expenditure (where known)											
32	Energy efficiency and demand side management, reduction of energy losses											
33	Direct billing*											
34	Research and Development											
35	Insurance	230	230	230	230	230	230	230	230	230	230	230
36												
37	* Direct billing expenditure by suppliers that direct bill the majority of their consumers											
38												
39		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
40	for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25
41	Difference between nominal and real forecasts	\$000										
42	Service interruptions and emergencies	-	13	27	41	55	70	84	99	114	129	144
43	Vegetation management	-	36	73	111	148	187	226	266	306	347	389
44	Routine and corrective maintenance and inspection	-	40	82	123	166	209	252	297	342	387	433
45	Asset replacement and renewal	-	3	6	10	13	17	20	24	27	31	35
46	Network Opex	-	94	188	285	383	482	583	685	789	894	1,001
47	System operations and network support	-	29	58	88	118	149	180	211	243	276	309
48	Business support	-	52	106	160	215	270	327	384	443	502	562
49	Non-network opex	-	81	164	248	333	419	507	596	686	778	871
50	Operational expenditure	-	175	352	533	715	901	1,090	1,281	1,475	1,672	1,872

Company Name **Marlborough Lines Ltd**
 AMP Planning Period **1 April 2015 – 31 March 2025**

SCHEDULE 12a: REPORT ON ASSET CONDITION

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

sch ref

Asset condition at start of planning period (percentage of units by grade)											
Voltage	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1-4)	% of asset forecast to be replaced in next 5 years	
	All	Overhead Line	Concrete poles / steel structure	No.	0.01%	0.74%	77.63%	12.83%	8.79%	3	2.00%
	All	Overhead Line	Wood poles	No.	0.20%	2.60%	85.91%	4.99%	6.30%	3	10.00%
	All	Overhead Line	Other pole types	No.	0.16%	2.76%	74.98%	0.70%	21.40%	2	10.00%
	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km		0.10%	89.15%	10.75%		3	
	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km					N/A		
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km			92.20%	7.80%		3	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km					N/A		
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km					N/A		
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km			100.00%			3	
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km					N/A		
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km					N/A		
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km					N/A		
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km					N/A		
	HV	Subtransmission Cable	Subtransmission submarine cable	km					N/A		
	HV	Zone substation Buildings	Zone substations up to 66kV	No.			44.00%	56.00%		4	
	HV	Zone substation Buildings	Zone substations 110kV+	No.					N/A		
	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.			34.90%	65.10%		4	
	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.			58.00%	42.00%		4	
	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.					N/A		
	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.			85.00%	15.00%		4	
	HV	Zone substation switchgear	33kV RMU	No.			100.00%			4	
	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.					N/A		
	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.					N/A		
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.			72.00%	28.00%		4	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.			31.00%	69.00%		4	

Company Name **Marlborough Lines Ltd**
 AMP Planning Period **1 April 2015 – 31 March 2025**

SCHEDULE 12a: REPORT ON ASSET CONDITION

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

sch ref		Asset condition at start of planning period (percentage of units by grade)									
Voltage	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1-4)	% of asset forecast to be replaced in next 5 years	
45	HV	Zone Substation Transformer	Zone Substation Transformers	No.			87.00%	13.00%		4	
46	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0.90%		92.80%	6.30%		3	9.00%
47	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km					N/A		
48	HV	Distribution Line	SWER conductor	km		2.80%	95.60%	1.60%		3	
49	HV	Distribution Cable	Distribution UG XLPE or PVC	km			86.00%	14.00%		3	
50	HV	Distribution Cable	Distribution UG PILC	km			100.00%			3	
51	HV	Distribution Cable	Distribution Submarine Cable	km					N/A		
52	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.			58.00%	42.00%		4	
53	HV	Distribution switchgear	3.3/6.6/11/22kV CB (indoor)	No.			88.00%	12.00%		4	
54	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.			77.00%	23.00%		3	
55	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.			100.00%			4	
56	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.			75.00%	25.00%		4	
57	HV	Distribution Transformer	Pole Mounted Transformer	No.	0.80%		92.60%	6.60%		3	7.00%
58	HV	Distribution Transformer	Ground Mounted Transformer	No.			91.00%	9.00%		4	7.00%
59	HV	Distribution Transformer	Voltage regulators	No.			93.00%	7.00%		4	3.00%
60	HV	Distribution Substations	Ground Mounted Substation Housing	No.					N/A		
61	LV	LV Line	LV OH Conductor	km		3.00%	96.00%	1.00%		3	3.00%
62	LV	LV Cable	LV UG Cable	km			89.00%	11.00%		3	-
63	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km			84.00%	16.00%		3	-
64	LV	Connections	OH/UG consumer service connections	No.		3.00%	93.20%	3.80%		4	3.50%
65	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.			64.00%	36.00%		4	4.00%
66	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot			90.00%	10.00%		3	
67	All	Capacitor Banks	Capacitors including controls	No.					N/A		
68	All	Load Control	Centralised plant	Lot			100.00%			4	
69	All	Load Control	Relays	No.					N/A		
70	All	Civils	Cable Tunnels	km					N/A		

Company Name **Marlborough Lines Ltd**
 AMP Planning Period **1 April 2015 – 31 March 2025**

SCHEDULE 12b: REPORT ON FORECAST CAPACITY

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

sch ref	Existing Zone Substations	Current Peak Load (MVA)	Installed Firm Capacity (MVA)	Security of Supply Classification (type)	Transfer Capacity (MVA)	Utilisation of Installed Firm Capacity %	Installed Firm Capacity +5 years (MVA)	Utilisation of Installed Firm Capacity + 5yrs %	Installed Firm Capacity Constraint +5 years (cause)	Explanation	
7	12b(i): System Growth - Zone Substations										
9	Leefield	1.1	5	n	1	22%	5	25	No constraint within +5 years		
10	Linkwater	3.7	5	n	1	74%	5	74	No constraint within +5 years		
11	Havelock	4	5	n-1	2	80%	5	80	No constraint within +5 years		
12	Nelson St	14.7	15	n-1	7.5	98%	15	98	No constraint within +5 years		
13	Picton	6.7	15	n-1	0	45%	15	44	No constraint within +5 years		
14	Rai Valley	1.9	3	n-1	1	63%	4	64	No constraint within +5 years		
15	Redwoodtown	10.3	15	n-1	7.5	69%	15	69	No constraint within +5 years		
16	Renwick	9.5	10	n-1	5	95%	10	104	Transformer	Open point may need moving	
17	Riverlands	9.6	10	n-1	7.5	96%	10	112	Transformer	Open point may need moving	
18	Seddon	5.3	10	n-1	1	53%	10	72	No constraint within +5 years		
19	Spring Creek	4	5	n-1	5	80%	5	88	No constraint within +5 years		
20	Springlands	10.4	15	n-1	10	69%	15	69	No constraint within +5 years		
21	Ward	1.7	2	n	1	85%	2	95	No constraint within +5 years	will need reviewing, Transformers are 56 years old.	
22	Waters	6.8	15	n-1	10	45%	15	45	No constraint within +5 years		
23	Woodbourne	7.7	10	n-1	5	77%	10	84	No constraint within +5 years		
24	Cloudy bay	4.2	15	n-1	5	28%	15	33	No constraint within +5 years	Some load to be moved from Riverlands	
25						-					
26						-					
27						-					
28						-					

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

12b(ii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	314
Distribution transformer capacity (Non-EDB owned)	18
Total distribution transformer capacity	332
Zone substation transformer capacity	302

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SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

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

sch ref

12c(i): Consumer Connections		Number of connections					
		Current Year CY 31 Mar 15	CY+1 31 Mar 16	CY+2 31 Mar 17	CY+3 31 Mar 18	CY+4 31 Mar 19	CY+5 31 Mar 20
Number of ICPs connected in year by consumer type		for year ended					
<i>Consumer types defined by EDB*</i>							
Domestic		21,100	21,200	21,300	21,400	21,500	21,600
Small Commercial		3,280	3,280	3,280	3,280	3,280	3,280
Large Commercial/Industrial		116	116	117	117	118	119
Irrigation		340	350	360	370	380	390
Connections total		24,836	24,946	25,057	25,167	25,278	25,389
<i>*Include additional rows if needed</i>							
Distributed generation							
Number of connections		90	144	230	323	452	632
Installed connection capacity of distributed generation (MVA)		1	1	1	2	3	4
12c(ii) System Demand							
Maximum coincident system demand (MW)		for year ended					
GXP demand		71	71	71	71	71	71
plus Distributed generation output at HV and above		2	2	2	2	2	2
Maximum coincident system demand		73	73	73	73	73	73
less Net transfers to (from) other EDBs at HV and above		-	-	-	-	-	-
Demand on system for supply to consumers' connection points		73	73	73	73	73	73
Electricity volumes carried (GWh)							
Electricity supplied from GXPs		371	375	378	382	386	390
less Electricity exports to GXPs		-	-	-	-	-	-
plus Electricity supplied from distributed generation		14	14	14	14	14	14
less Net electricity supplied to (from) other EDBs		-	-	-	-	-	-
Electricity entering system for supply to ICPs		385	389	393	396	400	404
less Total energy delivered to ICPs		360	364	367	371	374	378
Losses		25	25	26	26	26	26
Load factor		60%	61%	61%	62%	63%	63%
Loss ratio		6.5%	6.5%	6.5%	6.5%	6.5%	6.5%

Company Name	Marlborough Lines Ltd
AMP Planning Period	1 April 2015 – 31 March 2025
Network / Sub-network Name	

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

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

sch ref	for year ended	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
		31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20
8							
9							
10	SAIDI						
11	Class B (planned interruptions on the network)	80.0	70.0	70.0	70.0	70.0	70.0
12	Class C (unplanned interruptions on the network)	115.0	115.0	105.0	100.0	95.0	90.0
13	SAIFI						
14	Class B (planned interruptions on the network)	0.40	0.40	0.40	0.40	0.40	0.40
15	Class C (unplanned interruptions on the network)	1.30	1.27	1.25	1.17	1.14	1.10

Company Name	<u>Marlborough Lines Limited</u>
For Year Ended	<u>31 March 2015</u>

Schedule 14 Mandatory Explanatory Notes

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

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

Box 1: Explanatory comment on return on investment

The line charge revenue has been calculated Post Discount. This then reflects in a lower regulatory profit that flows into the ROI calculation rather than having an after tax profit distribution.

MLL achieved a post tax WACC of 1.4% and a vanilla WACC of 2.18%.

Return on investment, post tax WACC of 1.4% and a vanilla WACC of 2.18%, is lower than that of 2014 (2.37% and 3.05% respectively) predominantly due to a lower revaluation of the RAB for 2015.

Schedule 2 (iii) has not been completed as total assets commissioned for 2015 of \$11.814m amounted to 5.49% of opening RAB value. (IDD 2.3.3).

No items were reclassified

Regulatory Profit (Schedule 3)

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
 - 5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3

5.2 information on reclassified items in accordance with subclause 2.7.1(2).

Box 2: Explanatory comment on regulatory profit

The operating surplus for 2015 of \$14.779m is \$1.68m up on the 2014 year of \$13.099m, due mainly to a \$2.135m increase in Line charge revenue, partially offset by higher pass through and recoverable costs.

The overall Regulatory profit for 2015 of \$4.709m is down on last year due to a significantly decreased revaluation for 2015 over 2014 and an increased regulatory tax allowance

Other regulated income includes;

Recoveries from fault work \$201k

Sales of scrap \$95k (relating to the disposal of assets from the RAB)

Capacity and development charges \$299k

No items have been reclassified in the disclosure year.

Merger and acquisition expenses (3(iv) of Schedule 3)

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-

6.1 information on reclassified items in accordance with subclause 2.7.1(2)

6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure

No expenditure incurred.

Value of the Regulatory Asset Base (Schedule 4)

7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)

The total closing RAB value for 2015 of \$217.515m includes assets commissioned for 2015 of \$11.814m.

Total depreciation for 2015 of \$9.203m is in line with prior years after allowing for new capex and asset disposals.

No items have been reclassified in the disclosure year in accordance with subclause 2.7.1(2).

Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a)

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-

8.1 Income not included in regulatory profit / (loss) before tax but taxable;

8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;

8.3 Income included in regulatory profit / (loss) before tax but not taxable;

8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

Box 5: Regulatory tax allowance: permanent differences

8.1 Nil

8.2 Non deductible expenditure \$23k

8.3 Nil

8.4 nil

Regulatory tax allowance: disclosure of temporary differences (5a(vi) of Schedule 5a)

9. In the box below, provide descriptions and workings of material items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

Box 6: Tax effect of other temporary differences (current disclosure year)

Tax effect of temporary differences are as follows;

Increase in employee provisions	\$62
Decrease in bad debt provisions	-\$2
Amortisation of Capital Contributions	\$35
Deductible expenditure	-\$290
Total	-\$195

Related party transactions: disclosure of related party transactions (Schedule 5b)

10. In the box below, provide descriptions of related party transactions beyond those disclosed on Schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under subclause 2.3.6(1)(b).

Box 7: Related party transactions

No further related party transactions impacting on the regulated business

Cost allocation (Schedule 5d)

11. In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 8: Cost allocation

Cost allocation is based on Marlborough Lines Contracting business unit being fully absorbed into the regulatory business as a consolidated group entity.

Non-directly attributable cost from the contracting business unit has been allocated to the regulatory business based on the proportion of labour used for that category of work.

Asset allocation (Schedule 5e)

12. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 9: Commentary on asset allocation

All costs incurred are directly attributable. All costs (time, plant and materials) are directly coded to the particular asset capital project and no cost allocation has taken place.

Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-
- 13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
 - 13.2 information on reclassified items in accordance with subclause 2.7.1(2),

Box 10: Explanation of capital expenditure for the disclosure year

No general threshold has been applied to identify which programme a capital job has been placed in, however each job has been looked out and place in the programme or project that was the main driver for that project.

There have been no reclassifications in accordance with clause 2.7.1(2).

Operational Expenditure for the Disclosure Year (Schedule 6b)

14. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-
- 14.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;
 - 14.2 Information on reclassified items in accordance with subclause 2.7.1(2);
 - 14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

Box 11: Explanation of operational expenditure for the disclosure year.

Service Interruptions and emergencies expenditure was down significantly on the previous year as the previous year had significant events with two major earthquakes and major storm events throughout the other parts of the network.

Vegetation management expenditure was up on last year's levels with an increase in vegetation staff; the majority of work undertaken is in rural, low consumer density areas.

There have been no reclassifications in accordance with clause 2.7.1(2).

Variance between forecast and actual expenditure (Schedule 7)

15. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 12: Explanatory comment on variance in actual to forecast expenditure

Expenditure on assets overall was consistent with budget, however the expenditure on network assets was down on budget (and non system was up). This was result of delays to some major projects. In particular this reduced renewal expenditure. The reduction in expenditure on system growth reflects the changes in system growth. The lower than expected growth allowed some projects to be deferred.

The variations in operational expenditure simply reflect a better understanding of the categories and corresponding better classification of the expenditure. In particular, Asset renewal expenditure has now either moved to Expenditure on assets or into the routine operational expenditure.

The increase in expenditure on Vegetation management reflects a number of operational conditions, in particular the desire of landowners to remove troublesome trees following major storms and earthquakes and a recognition of the danger to the community that vegetation close to line pose in times of high fire danger.

Information relating to revenues and quantities for the disclosure year

16. In the box below provide-
- 16.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to

total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and

- 16.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

Box 13: Explanatory comment relating to revenue for the disclosure year

Line charge revenue for 2015 of \$34.527m is within 1% of the target revenue of \$34.109m. Volumes are up on the previous year. This was influenced by seasonal weather patterns that resulted in a dryer summer with greater irrigation volumes and a slightly earlier grape harvest.

Network Reliability for the Disclosure Year (Schedule 10)

17. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10.

Box 14: Commentary on network reliability for the disclosure year

The reliability figures for the disclosure year represent a substantial improvement over previous years. This is partly a result of clear, clam weather patterns, an absence of major earthquakes as well as a result of expenditure targeted to improve reliability.

Insurance cover

18. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-
- 18.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
- 18.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 15: Explanation of insurance cover

Insurance cover has been maintained across all aspects of the business.

The property insurance programme does not include cover transmission & distribution lines. In the prevailing insurance market conditions coverage for transmission and distribution lines is difficult to obtain, or very expensive.

Amendments to previously disclosed information

19. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
- 19.1 a description of each error; and
 - 19.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 16: Disclosure of amendment to previously disclosed information

Schedule 2 (i) has been updated using the ComCom supplied worksheets for recalculating the prior year return on investment disclosures (prior year ROIs) for the 2015 year end disclosure.

No other amendments have been made to previously disclosed information.

Company Name	<u>Marlborough Lines Limited</u>
For Year Ended	<u>31 March 2015</u>

Schedule 14a Mandatory Explanatory Notes on Forecast Information

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.
2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

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

3. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11a.

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts
Given the low level of inflation, the difference between nominal and constant was assessed at 1.5% for the 2015/16 year and 1.5% compounding for every year thereafter for the planning period.

Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)

4. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11b.

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts
Given the low level of inflation, the difference between nominal and constant was assessed at 1.5% for the 2015/16 year and 1.5% compounding for every year thereafter for the planning period.

Company Name	<u>Marlborough Lines Limited</u>
For Year Ended	<u>31 March 2015</u>

Schedule 15 Voluntary Explanatory Notes

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

Box 1: Voluntary explanatory comment on disclosed information

The line charge revenue has been calculated Post Discount.

Transpower Loss rental rebates totalling \$274k have not been included in schedule 3 Regulatory Profit.

Schedule 4(vii) provides weighted average remaining lives as well as average expected total life. The method of calculation weights the lives using the DRC (depreciated replacement cost). As this value varies with the age the net effect of using it as a weight is to double count age and discount older assets providing an indication that assets are much younger than they actually are.

Schedule 18 Certification for Year End Disclosures

Clause 2.9.2

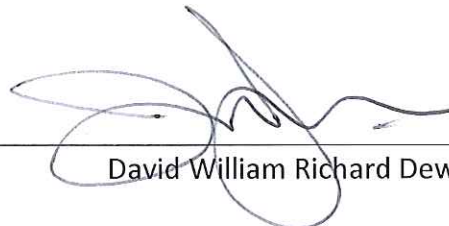
We, Kenneth John Forrest and David William Richard Dew, being Directors of Marlborough Lines Limited certify that, having made all reasonable enquiry, to the best of our knowledge: -

- a) the information prepared for the purposes of clauses 2.3.1 and 2.3.2; and clauses 2.4.21 and 2.4.22; clauses 2.5.1 and 2.5.2; and clause 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10 and 14 has been properly extracted from Marlborough Lines' accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained; and

In respect of related party costs and revenues recorded in accordance with clauses 2.3.6(1) (when valued in accordance with clause 2.2.11(5)(h)(ii) of the Electricity Distribution Services Input Methodologies Determination 2010), 2.3.6(1)(f) and 2.3.7(2)(b), we certify that, having made all reasonable enquiry, including enquiries of our related parties, we are satisfied that to the best of our knowledge and belief the costs and revenues recorded for related party transactions reasonably reflect the price or prices that would have been paid or received had these transactions been at arm's-length.

A handwritten signature in blue ink, appearing to read 'KJ Forrest'.

Kenneth John Forrest

A handwritten signature in black ink, appearing to read 'David William Richard Dew'.

David William Richard Dew

28 August 2015

INDEPENDENT AUDITOR'S REPORT TO THE DIRECTORS OF MARLBOROUGH LINES LIMITED AND TO THE COMMERCE COMMISSION

The Auditor-General is the auditor of Marlborough Lines Limited (the 'Company'). The Auditor-General has appointed me, Paul Bryden, using the staff and resources of Deloitte, to provide an opinion, on her behalf, on whether Schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the SAIDI and SAIFI information disclosed in Schedule 10 and the explanatory notes in boxes 1 to 12 in Schedule 14 ('the Disclosure Information') for the disclosure year ended 31 March 2015, have been prepared, in all material respects, in accordance with the Electricity Distribution Disclosure Information Determination 2012 (consolidated in 2015) (the 'Determination').

Directors' responsibility for the Disclosure Information

The directors of the Company are responsible for preparation of the Disclosure Information in accordance with the Determination, and for such internal control as the directors determine is necessary to enable the preparation of the Disclosure Information that is free from material misstatement.

Auditor's responsibility for the Disclosure Information

Our responsibility is to express an opinion on whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

Basis of opinion

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised): *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* issued by the External Reporting Board and the Standard on Assurance Engagements 3100: *Compliance Engagements* issued by the External Reporting Board.

These standards require that we comply with ethical requirements and plan and perform our audit to provide reasonable assurance (which is also referred to as 'audit' assurance) about whether the Disclosure Information has been prepared in all material respects in accordance with the Determination.

An audit involves performing procedures to obtain evidence about the amounts and disclosures in the Disclosure Information. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the Disclosure Information, whether due to fraud or error or non-compliance with the Determination. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation of the Disclosure Information in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.

An audit also involves evaluating:

- the appropriateness of assumptions used and whether they have been consistently applied; and
- the reasonableness of the significant judgements made by the directors of the Company.

Use of this report

This independent auditor's report has been prepared for the directors of the Company and for the Commerce Commission for the purpose of providing those parties with independent audit assurance about whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the Company or the Commerce Commission, or for any other purpose than that for which it was prepared.

Scope and inherent limitations

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

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

The opinion expressed in this independent auditor's report has been formed on the above basis.

Independence and quality control

When carrying out the engagement we followed the independence and other ethical requirements of the Auditor-General, which incorporate the Professional and Ethical Standard 1 (Revised): Code of Ethics for Assurance Practitioners issued by the New Zealand Auditing and Assurance Standards Board, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

The Auditor-General, and her employees, and Deloitte and its Partners and employees may deal with the Company on normal terms within the ordinary course of trading activities of the Company. Other than any dealings on normal terms within the ordinary course of business, this engagement and the annual audit of the Company's financial statements, we have no relationship with or interests in the Company.

The firm applies AG PES3: Auditor General's Statement on Quality Control, which incorporate Professional and Ethical Standard 3 (Amended): Quality Control for Firms that Perform Audits and Reviews of Financial Statements, and Other Assurance Engagements issued by the New Zealand Auditing and Assurance Standards Board, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Opinion

In our opinion:

- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the Company;
- The information used in the preparation of the Disclosure Information has been properly extracted from the Company's accounting and other records and has been sourced, where appropriate, from the Company's financial and non-financial systems; and
- The Company has complied with the Determination, in all material respects, in preparing the Disclosure Information.

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



Paul Bryden
Deloitte
On behalf of the Auditor-General
Christchurch, New Zealand
28 August 2015