



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

Company Name	<input type="text" value="Marlborough Lines Limited"/>
Disclosure Date	<input type="text" value="16 August 2017"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2017"/>

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

Table of Contents

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

Disclosure Template Instructions

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

Company Name and Dates

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

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

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

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

Data Entry Cells and Calculated Cells

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

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

Validation Settings on Data Entry Cells

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

Conditional Formatting Settings on Data Entry Cells

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

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

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

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

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

Inserting Additional Rows and Columns

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

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

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

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

Disclosures by Sub-Network

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

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 24 March 2015). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

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

Worksheet Completion Sequence

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

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

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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	42,871	640	226,423	4,734	50,395
10	Network	21,244	317	112,197	2,346	24,972
11	Non-network	21,628	323	114,225	2,388	25,423
12						
13	Expenditure on assets	20,451	305	108,012	2,258	24,040
14	Network	17,899	267	94,533	1,976	21,040
15	Non-network	2,552	38	13,479	282	3,000
16						
17	1(ii): Revenue metrics					
18		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)			
19	Total consumer line charge revenue	92,852	1,385			
20	Standard consumer line charge revenue	92,675	1,383			
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	110				Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
27	Connection point density	7				Average number of ICPs per km of circuit length (for supply) (ICPs/km)
28	Energy intensity	14,920				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		22.03			Interruptions per 100 circuit km

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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 15	31 Mar 16	31 Mar 17
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	1.40%	1.74%	2.09%
10	Excluding revenue earned from financial incentives	1.40%	1.74%	2.09%
11	Excluding revenue earned from financial incentives and wash-ups	1.40%	1.74%	2.09%
12				
13				
14	Mid-point estimate of post tax WACC	6.10%	5.37%	4.77%
15	25th percentile estimate	5.39%	4.66%	4.05%
16	75th percentile estimate	6.82%	6.09%	5.48%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	2.18%	2.38%	2.63%
21	Excluding revenue earned from financial incentives	2.18%	2.38%	2.63%
22	Excluding revenue earned from financial incentives and wash-ups	2.18%	2.38%	2.63%
23				
24	WACC rate used to set regulatory price path	n/a	n/a	n/a
25				
26	Mid-point estimate of vanilla WACC	6.89%	6.02%	5.31%
27	25th percentile estimate	6.17%	5.30%	4.59%
28	75th percentile estimate	7.60%	6.74%	6.03%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	221,244		
33	plus Opening deferred tax	(2,356)		
34	Opening RIV		218,888	
35				
36	Line charge revenue		34,818	
37				
38	Expenses cash outflow	24,216		
39	add Assets commissioned	6,868		
40	less Asset disposals	769		
41	add Tax payments	(33)		
42	less Other regulated income	989		
43	Mid-year net cash outflows		29,293	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	222,062		
48	less Adjustment resulting from asset allocation	0		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(2,925)		
51	Closing RIV		219,137	
52				
53	ROI – comparable to a vanilla WACC			2.63%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			4.41%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			2.09%
60				

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

sch ref

2(iii): Information Supporting the Monthly ROI

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

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

92			
93			
94	Year-end ROI – comparable to a vanilla WACC		2.60%
95			
96	Year-end ROI – comparable to a post tax WACC		2.05%
97			
98	* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.		
99			

2(v): Financial Incentives and Wash-Ups

101			
102	Net recoverable costs allowed under incremental rolling incentive scheme		-
103	Purchased assets – avoided transmission charge		
104	Energy efficiency and demand incentive allowance		
105	Quality incentive adjustment		
106	Other financial incentives		
107	Financial incentives		-
108			
109	Impact of financial incentives on ROI		-
110			
111	Input methodology claw-back		
112	Recoverable customised price-quality path costs		
113	Catastrophic event allowance		
114	Capex wash-up adjustment		
115	Transmission asset wash-up adjustment		
116	2013–2015 NPV wash-up allowance		
117	Reconsideration event allowance		
118	Other wash-ups		
119	Wash-up costs		-
120			
121	Impact of wash-up costs on ROI		-

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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	34,818
10	plus Gains / (losses) on asset disposals	12
11	plus Other regulated income (other than gains / (losses) on asset disposals)	977
12		
13	Total regulatory income	35,807
14	Expenses	
15	less Operational expenditure	16,076
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	8,140
18		
19	Operating surplus / (deficit)	11,591
20		
21	less Total depreciation	10,076
22		
23	plus Total revaluations	4,794
24		
25	Regulatory profit / (loss) before tax	6,309
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	536
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	5,773
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	72
36	Commerce Act levies	75
37	Industry levies	86
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	7,296
41	Transpower new investment contract charges	464
42	System operator services	-
43	Distributed generation allowance	147
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	8,140
47		

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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 16	31 Mar 17
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 12		
58	CY-4 31 Mar 13		
59	CY-3 31 Mar 14		
60	CY-2 31 Mar 15		
61	CY-1 31 Mar 16		
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 2017**

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 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)
	Total opening RAB value	202,181	207,971	215,025	217,515	221,244
	less Total depreciation	8,526	9,120	9,203	9,495	10,076
	plus Total revaluations	1,709	3,188	180	1,276	4,794
	plus Assets commissioned	12,607	13,161	11,814	12,329	6,868
	less Asset disposals		175	301	381	769
	plus Lost and found assets adjustment					-
	plus Adjustment resulting from asset allocation					0
	Total closing RAB value	207,971	215,025	217,515	221,244	222,062

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		221,244		221,244
	less Total depreciation		10,076		10,076
	plus Total revaluations		4,794		4,794
	plus Assets commissioned (other than below)	6,868		6,868	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	Assets commissioned		6,868		6,868
	less Asset disposals (other than below)	769		769	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		769		769
	plus Lost and found assets adjustment				
	plus Adjustment resulting from asset allocation				0
	Total closing RAB value		222,061		222,062

* 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 2017**

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

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

sch ref

51

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

54	CPI _t	1,226
55	CPI _{t-4}	1,200
56	Revaluation rate (%)	2.17%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
59				
60	Total opening RAB value	221,244	221,244	
61	less Opening value of fully depreciated, disposed and lost assets			
62	Total opening RAB value subject to revaluation	221,244	221,244	
64	Total revaluations		4,794	4,794

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
68		1,272	1,272	
69	plus Capital expenditure	7,373	7,373	
70	less Assets commissioned	6,868	6,868	
71	plus Adjustment resulting from asset allocation			
72	Works under construction - current disclosure year		1,777	1,777

74	Highest rate of capitalised finance applied	-
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Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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	10,076		10,076	
78				
79				
80				
81				
82				
83		10,076		10,076
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	18,885	8,143	37,607	48,388	44,726	22,936	16,767	6,485	17,309	221,244	
100	less										
	628	199	1,066	2,298	1,425	952	821	440	2,246	10,076	
101	plus										
	409	176	815	1,048	969	497	363	141	375	4,794	
102	plus										
	925	-	786	2,096	371	399	568	700	1,024	6,868	
103	less										
	115	-	72	157	16	91	235	-	83	769	
104	plus										
										-	
105	plus										
						-	-	-	-	-	
106	plus										
										-	
107	Total closing RAB value	19,475	8,120	38,070	49,077	44,624	22,789	16,643	6,885	16,379	222,062
108											
109	Asset Life										
	Weighted average remaining asset life	45.0	43.7	34.7	39.9	38.3	30.4	27.9	10.2	13.8	(years)
111	Weighted average expected total asset life	60.2	54.2	43.6	58.9	51.4	46.7	40.7	13.1	25.2	(years)

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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		6,309
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	70	*
12	Amortisation of initial differences in asset values	3,376	
13	Amortisation of revaluations	1,109	
14			4,555
15			
16	<i>less</i> Total revaluations	4,794	
17	Income included in regulatory profit / (loss) before tax but not taxable	-	*
18	Discretionary discounts and customer rebates	-	*
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	-	*
20	Notional deductible interest	4,157	
21			8,950
22			
23	Regulatory taxable income		1,913
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		1,913
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		536

* 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	108,032	
37	<i>less</i> Amortisation of initial differences in asset values	3,376	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired	-	
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	517	
40	Closing unamortised initial differences in asset values		104,139
41			
42	Opening weighted average remaining useful life of relevant assets (years)		32
43			

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

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

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	211,331	
47			
48	Adjusted depreciation	8,967	
49	Total depreciation	10,076	
50	Amortisation of revaluations		1,109
51			
52	5a(v): Reconciliation of Tax Losses		(\$000)
53			
54	Opening tax losses	-	
55	plus Current period tax losses	-	
56	less Utilised tax losses	-	
57	Closing tax losses		-
58	5a(vi): Calculation of Deferred Tax Balance		(\$000)
59			
60	Opening deferred tax	(2,356)	
61			
62	plus Tax effect of adjusted depreciation	2,511	
63			
64	less Tax effect of tax depreciation	2,246	
65			
66	plus Tax effect of other temporary differences*	(76)	
67			
68	less Tax effect of amortisation of initial differences in asset values	945	
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	(188)	
73			
74	plus Deferred tax cost allocation adjustment	(0)	
75			
76	Closing deferred tax		(2,925)
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	80,515	
84	less Tax depreciation	8,022	
85	plus Regulatory tax asset value of assets commissioned	6,246	
86	less Regulatory tax asset value of asset disposals	98	
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		78,641

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID determination.
 This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7 5b(i): Summary—Related Party Transactions

	(\$000)
8 Total regulatory income	
9 Operational expenditure	50
10 Capital expenditure	49
11 Market value of asset disposals	
12 Other related party transactions	

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

Name of related party	Related party relationship
15 Cuddon Ltd	Directors Relationship
16 Yealands Estate Wines Ltd	Directors Relationship and subsidiary
17 Precast Systems	Directors Relationship
18 Construction Coatings	Directors Relationship
19	

* include additional rows if needed

21 5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
23 Cuddon Ltd	Opex	purchase of goods and services	18	ID clause 2.3.6(1)(d)
24 Cuddon Ltd	Capex	purchase of air conditioners	25	IM clause 2.2.11(5)(a)(i)
25 Yealands Estate Wines Ltd	Opex	purchase of goods and services	29	ID clause 2.3.6(1)(d)
26 Precast Systems	Capex	concrete product, pads anchor blocks	24	IM clause 2.2.11(5)(a)(i)
27 Construction Coatings	Opex	painting at substations	2	ID clause 2.3.6(1)(d)
28 Scaffold Marlborough	Opex	Hire of Scaffolding	1	ID clause 2.3.6(1)(d)
29	[Select one]			[Select one]
30	[Select one]			[Select one]
31	[Select one]			[Select one]
32	[Select one]			[Select one]
33	[Select one]			[Select one]
34	[Select one]			[Select one]
35	[Select one]			[Select one]
36	[Select one]			[Select one]
37	[Select one]			[Select one]

* include additional rows if needed

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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 2017**

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

7 **5d(i): Operating Cost Allocations**
 8

		Value allocated (\$000s)			OVABAA allocation increase (\$000s)
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
9					
10	Service interruptions and emergencies				
11	Directly attributable		1,694		
12	Not directly attributable		323	323	
13	Total attributable to regulated service		2,017		
14	Vegetation management				
15	Directly attributable		1,879		
16	Not directly attributable		330	330	
17	Total attributable to regulated service		2,209		
18	Routine and corrective maintenance and inspection				
19	Directly attributable		2,368		
20	Not directly attributable		372	372	
21	Total attributable to regulated service		2,740		
22	Asset replacement and renewal				
23	Directly attributable		869		
24	Not directly attributable		129	129	
25	Total attributable to regulated service		998		
26	System operations and network support				
27	Directly attributable		4,159		
28	Not directly attributable		132	132	
29	Total attributable to regulated service		4,291		
30	Business support				
31	Directly attributable		3,819		
32	Not directly attributable			-	
33	Total attributable to regulated service		3,819		
34					
35	Operating costs directly attributable		14,788		
36	Operating costs not directly attributable	-	1,286	-	1,286
37	Operational expenditure		16,074		
38					

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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	233
43 Not directly attributable	
44 Total attributable to regulated service	233
45 Recoverable costs	
46 Directly attributable	7,907
47 Not directly attributable	
48 Total attributable to regulated service	7,907

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)
61 Change in cost allocation 2			
62 Cost category			
63 Original allocator or line items			
64 New allocator or line items			
65		-	-
66			
67 Rationale for change			

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

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

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

5e(i): Regulated Service Asset Values

	Value allocated (\$000s)
Electricity distribution services	
Subtransmission lines	
Directly attributable	19,475
Not directly attributable	
Total attributable to regulated service	19,475
Subtransmission cables	
Directly attributable	8,120
Not directly attributable	
Total attributable to regulated service	8,120
Zone substations	
Directly attributable	38,070
Not directly attributable	
Total attributable to regulated service	38,070
Distribution and LV lines	
Directly attributable	49,077
Not directly attributable	
Total attributable to regulated service	49,077
Distribution and LV cables	
Directly attributable	44,624
Not directly attributable	
Total attributable to regulated service	44,624
Distribution substations and transformers	
Directly attributable	22,789
Not directly attributable	
Total attributable to regulated service	22,789
Distribution switchgear	
Directly attributable	16,643
Not directly attributable	
Total attributable to regulated service	16,643
Other network assets	
Directly attributable	6,885
Not directly attributable	
Total attributable to regulated service	6,885
Non-network assets	
Directly attributable	16,379
Not directly attributable	
Total attributable to regulated service	16,379
Regulated service asset value directly attributable	222,062
Regulated service asset value not directly attributable	-
Total closing RAB value	222,062

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

			(\$000)	
			CY-1	Current Year (CY)
Change in asset value allocation 1				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	-	-
Rationale for change				
Change in asset value allocation 2				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	-	-
Rationale for change				
Change in asset value allocation 3				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	-	-
Rationale for change				

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

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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

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

sch ref

		(\$000)	(\$000)
7	6a(i): Expenditure on Assets		
8	Consumer connection		203
9	System growth		-
10	Asset replacement and renewal		3,689
11	Asset relocations		488
12	Reliability, safety and environment:		
13	Quality of supply	1,782	
14	Legislative and regulatory	-	
15	Other reliability, safety and environment	550	
16	Total reliability, safety and environment		2,332
17	Expenditure on network assets		6,712
18	Expenditure on non-network assets		957
19			
20	Expenditure on assets		7,669
21	plus Cost of financing		-
22	less Value of capital contributions		296
23	plus Value of vested assets		-
24			
25	Capital expenditure		7,373
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	[EDB consumer type]	203	
33	[EDB consumer type]		
34	[EDB consumer type]		
35	[EDB consumer type]		
36	[EDB consumer type]		
37	<i>* include additional rows if needed</i>		
38	Consumer connection expenditure		203
39			
40	less Capital contributions funding consumer connection expenditure	-	
41	Consumer connection less capital contributions		203
42	6a(iv): System Growth and Asset Replacement and Renewal		
43		System Growth	Asset Replacement and Renewal
44		(\$000)	(\$000)
45	Subtransmission		1,089
46	Zone substations		473
47	Distribution and LV lines		1,016
48	Distribution and LV cables		144
49	Distribution substations and transformers		475
50	Distribution switchgear		489
51	Other network assets		3
52	System growth and asset replacement and renewal expenditure		3,689
53	less Capital contributions funding system growth and asset replacement and renewal		
54	System growth and asset replacement and renewal less capital contributions		3,689
55			
56	6a(v): Asset Relocations		
57	<i>Project or programme*</i>	(\$000)	(\$000)
58	Roading Authority	442	
59			
60			
61			
62			
63	<i>* include additional rows if needed</i>		
64	All other projects or programmes - asset relocations	47	
65	Asset relocations expenditure		488
66	less Capital contributions funding asset relocations	296	
67	Asset relocations less capital contributions		193

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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		283	
72	Network Automation		64	
73	Generators		8	
74	Radio Network		737	
75				
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply		690	
78	Quality of supply expenditure			1,782
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			1,782
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83				
84				
85				
86				
87				
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory			
90	Legislative and regulatory expenditure			-
91	less Capital contributions funding legislative and regulatory			
92	Legislative and regulatory less capital contributions			-
93	6a(viii): Other Reliability, Safety and Environment			
94	<i>Project or programme*</i>		(\$000)	(\$000)
95	SWER reinsulation		7	
96				
97				
98				
99				
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment		543	
102	Other reliability, safety and environment expenditure			550
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			550
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Motor Vehicle Purchases		464	
110	Computer upgrades		12	
111	Software upgrades		11	
112	Communications Radio and Phone		76	
113	Plant and Equipment		294	
114	Test Instruments		4	
115	<i>* include additional rows if needed</i>			
116	All other projects or programmes - routine expenditure			
117	Routine expenditure			861
118	Atypical expenditure			
119	<i>Project or programme*</i>		(\$000)	(\$000)
120	Building and Depot Alterations		44	
121	IT Projects and Upgrades		52	
122				
123				
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure			
126	Atypical expenditure			96
127				
128	Expenditure on non-network assets			957

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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	2,017	
9	Vegetation management	2,210	
10	Routine and corrective maintenance and inspection	2,741	
11	Asset replacement and renewal	998	
12	Network opex		7,966
13	System operations and network support	4,291	
14	Business support	3,819	
15	Non-network opex		8,110
16			
17	Operational expenditure		16,076
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		299
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2017

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	34,028	34,818	2%
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
9				
10	Consumer connection	505	203	(60%)
11	System growth	–	–	–
12	Asset replacement and renewal	6,030	3,689	(39%)
13	Asset relocations	429	488	14%
14	Reliability, safety and environment:			
15	Quality of supply	1,470	1,782	21%
16	Legislative and regulatory	338	–	(100%)
17	Other reliability, safety and environment	1,348	550	(59%)
18	Total reliability, safety and environment	3,156	2,332	(26%)
19	Expenditure on network assets	10,120	6,712	(34%)
20	Expenditure on non-network assets	1,981	957	(52%)
21	Expenditure on assets	12,101	7,669	(37%)
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	783	2,017	158%
24	Vegetation management	2,232	2,210	(1%)
25	Routine and corrective maintenance and inspection	2,454	2,741	12%
26	Asset replacement and renewal	566	998	76%
27	Network opex	6,035	7,966	32%
28	System operations and network support	2,374	4,291	81%
29	Business support	3,788	3,819	1%
30	Non-network opex	6,162	8,110	32%
31	Operational expenditure	12,197	16,076	32%
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	250	299	20%
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
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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 13hr controlled	17,18,28 8hr controlled	00 Embedded generation	20,30 20hr controlled	51,61 Day	50,62 Night	96 Summer	97 Winter	80 Streetlights	98 ML Consumption						
	Residential	Standard	21,380	144,701																		
	Commercial	Standard	3,199	75,853																		
	Large Commercial	Standard	116	133,700																		
	Irrigation	Standard	338	18,420																		
	Streetlighting	Standard	101	2,309																		
Add extra rows for additional consumer groups or price category codes as necessary																						
Standard consumer totals			25,133	374,983																		
Non-standard consumer totals			-	-																		
Total for all consumers			25,133	374,983																		

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

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 ED8 in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)
	Residential	Standard	\$15,668	\$3,471
	Commercial	Standard	\$8,275	\$1,894
	Large Commercial	Standard	\$9,242	\$2,473
	Irrigation	Standard	\$1,327	\$283
	Streetlighting	Standard	\$236	\$47
	Generation	Standard	\$3	-
	Generation	Non-standard	\$66	-
			-	-
			-	-
			-	-
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>				
Standard consumer totals			\$34,752	\$8,169
Non-standard consumer totals			\$66	-
Total for all consumers			\$34,818	\$8,169

Price component	Line charge revenues (\$000) by price component												
	10,23,31,40,11 uncontrolled	12,16,22 13hr controlled	17,18,28 8hr controlled	00 Embedded generation	20,30 20hr controlled	51,61 Day	50,62 Night	96 Summer	97 Winter	80 Streetlights	Fixed Charge	ALAM, AH Capacity	WL, WM, WH RPD
	c/kWh	c/kWh	c/kWh	kWh	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh	\$ per day	\$/kVa	\$/kVa
	\$8,062	\$1,854	\$111										\$5,641
	\$4,384	\$76	\$9		\$5								\$3,807
						\$1,843	\$138						\$813
								\$405	\$109				\$217
				\$3							\$19		\$66
	\$12,446	\$1,930	\$119	\$3	\$5	\$1,843	\$138	\$405	\$109	\$19	\$10,824	\$5,143	\$1,766
	-	-	-	-	-	-	-	-	-	-	\$66	-	-
	\$12,446	\$1,930	\$119	\$3	\$5	\$1,843	\$138	\$405	\$109	\$19	\$10,891	\$5,143	\$1,766

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

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end Check OK

Company Name	Marlborough Lines Limited
For Year Ended	31 March 2017
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

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

sch ref

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	17,664	17,806	142	3
9	All	Overhead Line	Wood poles	No.	10,650	10,652	2	3
10	All	Overhead Line	Other pole types	No.	2,186	2,068	(118)	3
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	278	278	(0)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	20	22	2	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	0	0	3
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.	95	84	(11)	3
28	HV	Zone substation switchgear	33kV RMU	No.	1	1	-	4
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	56	62	6	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	27	28	1	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	96	98	2	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	11	11	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	31	31	-	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,592	1,600	7	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	2	2	0	4
36	HV	Distribution Line	SWER conductor	km	541	541	(1)	3
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	161	169	8	3
38	HV	Distribution Cable	Distribution UG PILC	km	17	15	(3)	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.	98	102	4	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	24	29	5	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2,289	2,358	69	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	54	67	13	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	555	623	68	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,419	3,461	42	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	419	458	39	3
47	HV	Distribution Transformer	Voltage regulators	No.	30	28	(2)	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
49	LV	LV Line	LV OH Conductor	km	423	423	(0)	2
50	LV	LV Cable	LV UG Cable	km	292	341	48	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	57	71	14	3
52	LV	Connections	OH/UG consumer service connections	No.	25,002	25,260	258	2
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	135	132	(3)	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 2017
Network / Sub-network Name	

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

9			
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)
11	> 66kV	-	-
12	50kV & 66kV	-	-
13	33kV	285	22
14	SWER (all SWER voltages)	541	-
15	22kV (other than SWER)	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	1,602	184
17	Low voltage (< 1kV)	423	341
18	Total circuit length (for supply)	2,850	546
19			
20	Dedicated street lighting circuit length (km)	21	50
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			
23	Overhead circuit length by terrain (at year end)	(% of total circuit length)	
24	Urban	323	11%
25	Rural	863	30%
26	Remote only	-	-
27	Rugged only	803	28%
28	Remote and rugged	849	30%
29	Unallocated overhead lines	13	0%
30	Total overhead length	2,850	100%
31			
32		(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,862	55%
34		(% of total overhead length)	
35	Overhead circuit requiring vegetation management	2,850	100%

Company Name **Marlborough Lines Limited**
 For Year Ended **31 March 2017**

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			
26	* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network		

Company Name **Marlborough Lines Limited**

For Year Ended **31 March 2017**

Network / Sub-network Name

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

Residential
Commercial
Large Commercial
Irrigation
Streetlighting

* include additional rows if needed

Number of connections (ICPs)

217
26
1
2
-

Connections total

246

Distributed generation

Number of connections made in year

67

connections

Capacity of distributed generation installed in year

0.60

MVA

9e(ii): System Demand

Maximum coincident system demand

GXP demand

70

plus Distributed generation output at HV and above

1

Maximum coincident system demand

71

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

--

Demand on system for supply to consumers' connection points

71

Electricity volumes carried

Electricity supplied from GXPs

378

less Electricity exports to GXPs

--

plus Electricity supplied from distributed generation

17

less Net electricity supplied to (from) other EDBs

--

Electricity entering system for supply to consumers' connection points

395

less Total energy delivered to ICPs

375

Electricity losses (loss ratio)

20

5.1%

Load factor

0.64

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

319

Distribution transformer capacity (Non-EDB owned, estimated)

19

Total distribution transformer capacity

338

Zone substation transformer capacity

313

Company Name **Marlborough Lines Limited**For Year Ended **31 March 2017**

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)	274	
12 Class C (unplanned interruptions on the network)	474	
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	748	

21 Interruption restoration

	≤3Hrs	>3hrs
22 Class C interruptions restored within	282	192

24 SAIFI and SAIDI by class

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	-	-
26 Class B (planned interruptions on the network)	0.26	50.9
27 Class C (unplanned interruptions on the network)	1.89	303.2
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	2.14	354.1

36 Normalised SAIFI and SAIDI

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	1.79	221.0

39 Quality path normalised reliability limit

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

* not applicable to exempt EDBs

Company Name **Marlborough Lines Limited**

For Year Ended **31 March 2017**

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIFI, 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	0.00	0.5
Vegetation	0.08	9.3
Adverse weather	0.41	51.8
Adverse environment	0.61	182.3
Third party interference	0.09	10.9
Wildlife	0.06	2.5
Human error	0.08	3.5
Defective equipment	0.32	32.6
Cause unknown	0.23	9.9

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	-	-
Subtransmission other	0.00	1.4
Distribution lines (excluding LV)	0.01	2.3
Distribution cables (excluding LV)	-	-
Distribution other (excluding LV)	0.24	47.1

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.21	7.8
Subtransmission cables	0.01	0.5
Subtransmission other	0.14	1.6
Distribution lines (excluding LV)	0.97	241.4
Distribution cables (excluding LV)	0.06	8.8
Distribution other (excluding LV)	0.50	43.1

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	5	278	1.80
Subtransmission cables	2	22	9.10
Subtransmission other	3		
Distribution lines (excluding LV)	360	2,142	16.80
Distribution cables (excluding LV)	15	184	8.17
Distribution other (excluding LV)	89		
Total	474		



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

Company Name	Marlborough Lines Limited
Disclosure Date	31 March 2017
AMP Planning Period Start Date (first day)	1 April 2017

Templates for Schedules 11a–13 (Asset Management Plan)
Template Version 4.1. Prepared 24 March 2015

Table of Contents

Information disclosure asset management plan schedules

Schedule	Schedule name
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 NETWORK DEMAND
12d	REPORT FORECAST INTERRUPTIONS AND DURATION
13	REPORT ON ASSET MANAGEMENT MATURITY

Company Name **Marlborough Lines Limited**
 AMP Planning Period **1 April 2017 – 31 March 2027**

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 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	31 Mar 26	31 Mar 27
9	11a(i): Expenditure on Assets Forecast	\$000 (in nominal dollars)										
10	Consumer connection	664	408	416	424	433	442	563	574	586	598	609
11	System growth	-	-	-	-	-	-	169	172	176	179	183
12	Asset replacement and renewal	4,170	6,375	6,971	6,473	6,603	7,287	7,433	7,581	7,733	7,888	8,045
13	Asset relocations	153	612	624	637	649	662	225	230	234	239	244
14	Reliability, safety and environment:											
15	Quality of supply	1,300	2,193	2,029	1,592	1,515	1,435	1,182	1,206	1,230	1,255	1,280
16	Legislative and regulatory	-	51	52	53	54	55	56	57	59	60	61
17	Other reliability, safety and environment	827	765	780	796	812	828	563	574	586	598	609
18	Total reliability, safety and environment	2,127	3,009	2,861	2,441	2,381	2,319	1,802	1,838	1,875	1,912	1,950
19	Expenditure on network assets	7,114	10,404	10,872	9,975	10,067	10,710	10,192	10,396	10,604	10,816	11,032
20	Expenditure on non-network assets	929	1,250	1,274	1,300	1,326	1,352	1,633	1,666	1,699	1,733	1,768
21	Expenditure on assets	8,044	11,654	12,147	11,275	11,393	12,062	11,825	12,061	12,302	12,548	12,799
22												
23	plus Cost of financing											
24	less Value of capital contributions											
25	plus Value of vested assets											
26												
27	Capital expenditure forecast	8,044	11,654	12,147	11,275	11,393	12,062	11,825	12,061	12,302	12,548	12,799
28												
29	Assets commissioned	8,044	11,654	12,147	11,275	11,393	12,062	11,825	12,061	12,302	12,548	12,799
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46	Subcomponents of expenditure on assets (where known)											
47	Energy efficiency and demand side management, reduction of energy losses	N/A										
48	Overhead to underground conversion	N/A										
49	Research and development	N/A										

Company Name **Marlborough Lines Limited**
 AMP Planning Period **1 April 2017 – 31 March 2027**

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 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	31 Mar 26	31 Mar 27
50												
51												
52												
53	Difference between nominal and constant price forecasts	\$000										
54	Consumer connection	-	8	16	24	33	42	63	74	86	98	109
55	System growth	-	-	-	-	-	-	19	22	26	29	33
56	Asset replacement and renewal	-	125	271	373	503	687	833	981	1,133	1,288	1,445
57	Asset relocations	-	12	24	37	49	62	25	30	34	39	44
58	Reliability, safety and environment:											
59	Quality of supply	-	43	79	92	115	135	132	156	180	205	230
60	Legislative and regulatory	-	1	2	3	4	5	6	7	9	10	11
61	Other reliability, safety and environment	-	15	30	46	62	78	63	74	86	98	109
62	Total reliability, safety and environment	-	59	111	141	181	219	202	238	275	312	350
63	Expenditure on network assets	-	204	422	575	767	1,010	1,142	1,346	1,554	1,766	1,982
64	Expenditure on non-network assets	-	25	49	75	101	127	183	216	249	283	318
65	Expenditure on assets	-	229	472	650	868	1,137	1,325	1,561	1,802	2,048	2,299
66												
67												
68	11a(ii): Consumer Connection											
69	Consumer types defined by EDB*	\$000 (in constant prices)										
70	All	664	400	400	400	400	400					
71												
72												
73												
74												
75	*include additional rows if needed											
76	Consumer connection expenditure	664	400	400	400	400	400					
77	less Capital contributions funding consumer connection	-	-	-	-	-	-					
78	Consumer connection less capital contributions	664	400	400	400	400	400					
79	11a(iii): System Growth											
80	Subtransmission											
81	Zone substations											
82	Distribution and LV lines											
83	Distribution and LV cables											
84	Distribution substations and transformers											
85	Distribution switchgear											
86	Other network assets											
87	System growth expenditure	-	-	-	-	-	-					
88	less Capital contributions funding system growth	-	-	-	-	-	-					
89	System growth less capital contributions	-	-	-	-	-	-					
90												

Company Name **Marlborough Lines Limited**
 AMP Planning Period **1 April 2017 – 31 March 2027**

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 for year ended 31 Mar 17	CY+1 31 Mar 18	CY+2 31 Mar 19	CY+3 31 Mar 20	CY+4 31 Mar 21	CY+5 31 Mar 22
91						
92						
93	11a(iv): Asset Replacement and Renewal					
	\$000 (in constant prices)					
94	1,610	1,500	1,700	1,200	800	600
95	630	2,000	2,200	600	900	900
96	1,330	1,500	1,500	2,250	2,000	3,000
97	180	300	300	1,200	1,000	1,000
98	150	450	500	400	575	300
99	260	500	500	450	825	800
100	10					
101	4,170	6,250	6,700	6,100	6,100	6,600
102	less					
103	Asset replacement and renewal less capital contributions					
104	4,170	6,250	6,700	6,100	6,100	6,600

	Current Year CY for year ended 31 Mar 17	CY+1 31 Mar 18	CY+2 31 Mar 19	CY+3 31 Mar 20	CY+4 31 Mar 21	CY+5 31 Mar 22
105						
106						
107	11a(v): Asset Relocations					
	\$000 (in constant prices)					
108	<i>Project or programme*</i>					
109	Underground conversions	400	400	400	400	400
110	Roading Authority Relocations	105				
111	Forestry Relocations					
112	Other relocations	49	200	200	200	200
113						
114	<i>*Include additional rows if needed</i>					
115	All other project or programmes - asset relocations					
116	Asset relocations expenditure	153	600	600	600	600
117	less					
118	Asset relocations less capital contributions	153	600	600	600	600
119						

	Current Year CY for year ended 31 Mar 17	CY+1 31 Mar 18	CY+2 31 Mar 19	CY+3 31 Mar 20	CY+4 31 Mar 21	CY+5 31 Mar 22
120						
121						
122	11a(vi): Quality of Supply					
	\$000 (in constant prices)					
123	<i>Project or programme*</i>					
124	SCADA	130	250	250	200	200
125	Network Automation	93	750	700	600	500
126	Generators	7				
127	Digital Radio Network	560	250	250	100	100
128	Other	510	900	750	600	500
129	<i>*Include additional rows if needed</i>					
130	All other projects or programmes - quality of supply					
131	Quality of supply expenditure	1,300	2,150	1,950	1,500	1,400
132	less					
133	Quality of supply less capital contributions	1,300	2,150	1,950	1,500	1,400
134						

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 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22
11a(vii): Legislative and Regulatory						
<i>Project or programme*</i>						
General		50	50	50	50	50
<i>*include additional rows if needed</i>						
All other projects or programmes - legislative and regulatory						
Legislative and regulatory expenditure		50	50	50	50	50
less Capital contributions funding legislative and regulatory						
Legislative and regulatory less capital contributions		50	50	50	50	50
11a(viii): Other Reliability, Safety and Environment						
<i>Project or programme*</i>						
Earthing (NERS and Resonant)						
Tee Joint Removal						
SWER Reinsulation	11					
Other	816	750	750	750	750	750
<i>*include additional rows if needed</i>						
All other projects or programmes - other reliability, safety and environment						
Other reliability, safety and environment expenditure	827	750	750	750	750	750
less Capital contributions funding other reliability, safety and environment						
Other reliability, safety and environment less capital contributions	827	750	750	750	750	750
11a(ix): Non-Network Assets						
Routine expenditure						
<i>Project or programme*</i>						
Test Equipment	6	50	50	50	50	50
Plant and Tools	357	350	350	350	350	350
Vehicles	406	400	400	400	400	400
Land, Buildings and office equipment	83	125	125	125	125	125
IT Computers	78	300	300	300	300	300
<i>*include additional rows if needed</i>						
All other projects or programmes - routine expenditure						
Routine expenditure	929	1,225	1,225	1,225	1,225	1,225
Atypical expenditure						
<i>Project or programme*</i>						
<i>*include additional rows if needed</i>						
All other projects or programmes - atypical expenditure						
Atypical expenditure						
Expenditure on non-network assets	929	1,225	1,225	1,225	1,225	1,225

Company Name **Marlborough Lines Limited**
 AMP Planning Period **1 April 2017 – 31 March 2027**

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 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	31 Mar 26	31 Mar 27	
9	Operational Expenditure Forecast	\$000 (in nominal dollars)											
10	Service interruptions and emergencies	2,220	816	832	849	866	883	901	919	937	956	975	
11	Vegetation management	2,180	1,836	1,821	1,804	1,786	1,767	1,802	1,780	1,757	1,793	1,768	
12	Routine and corrective maintenance and inspection	2,670	2,448	2,497	2,547	2,598	2,650	2,703	2,757	2,812	2,868	2,926	
13	Asset replacement and renewal	415	612	624	637	649	662	676	689	703	717	731	
14	Network Opex	7,485	5,712	5,774	5,837	5,899	5,962	6,081	6,145	6,210	6,334	6,400	
15	System operations and network support	4,080	3,060	3,121	3,184	3,247	3,312	3,378	3,446	3,515	3,585	3,657	
16	Business support	4,090	3,876	3,954	4,033	4,113	4,196	4,279	4,365	4,452	4,541	4,632	
17	Non-network opex	8,170	6,936	7,075	7,216	7,361	7,508	7,658	7,811	7,967	8,127	8,289	
18	Operational expenditure	15,655	12,648	12,849	13,053	13,260	13,470	13,739	13,957	14,177	14,461	14,689	
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 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	31 Mar 26	31 Mar 27	
21		\$000 (in constant prices)											
22	Service interruptions and emergencies	2,220	800	800	800	800	800	800	800	800	800	800	
23	Vegetation management	2,180	1,800	1,750	1,700	1,650	1,600	1,600	1,550	1,500	1,500	1,450	
24	Routine and corrective maintenance and inspection	2,670	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	
25	Asset replacement and renewal	415	600	600	600	600	600	600	600	600	600	600	
26	Network Opex	7,485	5,600	5,550	5,500	5,450	5,400	5,400	5,350	5,300	5,300	5,250	
27	System operations and network support	4,080	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	
28	Business support	4,090	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	
29	Non-network opex	8,170	6,800	6,800	6,800	6,800	6,800	6,800	6,800	6,800	6,800	6,800	
30	Operational expenditure	15,655	12,400	12,350	12,300	12,250	12,200	12,200	12,150	12,100	12,100	12,050	
31	Subcomponents of operational expenditure (where known)												
32	Energy efficiency and demand side management, reduction of energy losses	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
34	Direct billing*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
35	Research and Development	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
36	Insurance	250	250	250	250	250	250	250	250	250	250	250	
37	* Direct billing expenditure by suppliers that direct bill the majority of their consumers												
38		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10	
39	for year ended	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	31 Mar 26	31 Mar 27	
41	Difference between nominal and real forecasts	\$000											
42	Service interruptions and emergencies	-	16	32	49	66	83	101	119	137	156	175	
43	Vegetation management	-	36	71	104	136	167	202	230	257	293	318	
44	Routine and corrective maintenance and inspection	-	48	97	147	198	250	303	357	412	468	526	
45	Asset replacement and renewal	-	12	24	37	49	62	76	89	103	117	131	
46	Network Opex	-	112	224	337	449	562	681	795	910	1,034	1,150	
47	System operations and network support	-	60	121	184	247	312	378	446	515	585	657	
48	Business support	-	76	154	233	313	396	479	565	652	741	832	
49	Non-network opex	-	136	275	416	561	708	858	1,011	1,167	1,327	1,489	
50	Operational expenditure	-	248	499	753	1,010	1,270	1,539	1,807	2,077	2,361	2,639	

Company Name **Marlborough Lines Limited**
 AMP Planning Period **1 April 2017 – 31 March 2027**

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
7											
8											
9											
10	All	Overhead Line	Concrete poles / steel structure	No.	0.20%	0.60%	55.40%	31.10%	12.70%	3	1.00%
11	All	Overhead Line	Wood poles	No.	0.20%	2.70%	65.50%	22.70%	8.90%	3	8.00%
12	All	Overhead Line	Other pole types	No.	0.40%	3.60%	79.80%	11.80%	4.40%	2	8.00%
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	1.50%	1.10%	77.10%	20.30%		3	3.00%
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km						N/A	
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km			100.00%			3	
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km						N/A	
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km						N/A	
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km			100.00%			3	
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km						N/A	
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km						N/A	
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km						N/A	
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km						N/A	
23	HV	Subtransmission Cable	Subtransmission submarine cable	km						N/A	
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.		18.75%	50.00%	31.25%		4	
25	HV	Zone substation Buildings	Zone substations 110kV+	No.						N/A	
26	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.			61.60%	38.40%		4	
27	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.			78.57%	21.43%		3	
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.						N/A	
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.			84.52%	15.48%		3	
30	HV	Zone substation switchgear	33kV RMU	No.			100.00%			3	
31	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.						N/A	
32	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.						N/A	
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.			77.17%	22.83%		3	
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.			39.78%	60.22%		3	
35											

Company Name **Marlborough Lines Limited**
 AMP Planning Period **1 April 2017 – 31 March 2027**

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	
36											
37											
38											
39	HV	Zone Substation Transformer	Zone Substation Transformers	No.			70.97%	29.03%		4	
40	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0.04%	1.52%	76.85%	21.59%		3	
41	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km				100.00%		4	
42	HV	Distribution Line	SWER conductor	km	0.20%	6.70%	82.20%	10.80%	0.10%	3	
43	HV	Distribution Cable	Distribution UG XLPE or PVC	km		0.42%	78.77%	19.15%	1.66%	3	
44	HV	Distribution Cable	Distribution UG PILC	km			100.00%			3	
45	HV	Distribution Cable	Distribution Submarine Cable	km					N/A		
46	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.			39.78%	60.22%		3	
47	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.			77.17%	22.83%		3	
48	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.			78.49%	21.51%		3	
49	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.			100.00%			3	
50	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.		0.12%	63.45%	36.19%	0.24%	3	
51	HV	Distribution Transformer	Pole Mounted Transformer	No.		3.62%	83.43%	12.33%	0.62%	3	
52	HV	Distribution Transformer	Ground Mounted Transformer	No.		0.22%	81.40%	17.29%	1.09%	3	
53	HV	Distribution Transformer	Voltage regulators	No.			93.00%	7.00%		4	
54	HV	Distribution Substations	Ground Mounted Substation Housing	No.					N/A		
55	LV	LV Line	LV OH Conductor	km	0.20%	2.60%	72.40%	24.80%		3	
56	LV	LV Cable	LV UG Cable	km		0.90%	69.51%	24.73%	4.86%	3	
57	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km		0.43%	78.05%	17.75%	3.77%	3	
58	LV	Connections	OH/UG consumer service connections	No.		0.50%	3.70%	62.50%	33.30%	3	
59	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.			64.00%	36.00%		4	
60	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot			90.00%	10.00%		3	
61	All	Capacitor Banks	Capacitors including controls	No.					N/A		
62	All	Load Control	Centralised plant	Lot			100.00%			4	
63	All	Load Control	Relays	No.					N/A		
64	All	Civils	Cable Tunnels	km					N/A		

Company Name

Marlborough Lines Limited

AMP Planning Period

1 April 2017 – 31 March 2027

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

7 12b(i): System Growth - Zone Substations

8		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
9	<i>Existing Zone Substations</i>									
10	Leefield	1	5	n	1	23%	5	39.4%	No constraint within +5 years	Some load may be moved from Renwick
11	Linkwater	4	5	n	1	75%	5	72.9%	No constraint within +5 years	
12	Havelock	2	5	n-1	2	46%	5	57.6%	No constraint within +5 years	
13	Nelson St	14	17	n-1	8	84%	16.5	100.5%	No constraint within +5 years	Open point may need moving to transfer load to Springlands
14	Picton	7	17	n-1	-	44%	16.5	45.8%	No constraint within +5 years	
15	Rai Valley	2	3	n-1	1	72%	3	91.1%	No constraint within +5 years	
16	Redwoodtown	9	17	n-1	8	56%	16.5	59.6%	No constraint within +5 years	
17	Renwick	9	10	n-1	5	91%	10	109.0%	Transformer	Open point may need moving to transfer load to Leefield
18	Riverlands	10	10	n-1	8	105%	10	161.4%	Transformer	Open point will need moving to transfer load to Cloudy Bay/Waters
19	Seddon	6	10	n-1	1	62%	10	82.4%	Transformer	Open point may need moving to move load to Ward
20	Spring Creek	4	5	n-1	5	82%	5	103.7%	Transformer	Open point may need moving to move load to Springlands
21	Springlands	12	17	n-1	10	72%	16.5	60.0%	No constraint within +5 years	Some load may be moved from Spring Creek
22	Ward	2	2	n	1	82%	5	37.1%	No constraint within +5 years	Some load may be moved from Seddon
23	Waters	6	17	n-1	10	34%	16.5	40.9%	No constraint within +5 years	Some load to be moved from Riverlands
24	Woodbourne	8	10	n-1	5	83%	10	88.8%	No constraint within +5 years	
25	Cloudy Bay	5	17	n-1	5	33%	17	35.8%	No constraint within +5 years	Some load to be moved from Riverlands
26						-				
27						-				
28						-				
29						-				

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

Company Name **Marlborough Lines Limited**
 AMP Planning Period **1 April 2017 – 31 March 2027**

SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

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

sch ref

12c(i): Consumer Connections

Number of ICPs connected in year by consumer type

	Number of connections					
	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22
<i>Consumer types defined by EDB*</i>						
Domestic	203	155	156	157	158	159
Business	26	-	-	-	-	-
Large Commercial	1	-	1	-	1	-
Irrigation	3	-	-	1	-	-
Connections total	233	155	157	158	159	159

*include additional rows if needed

Distributed generation

Number of connections	88	100	120	200	200	200
Capacity of distributed generation installed in year (MVA)				1	1	1

12c(ii) System Demand

Maximum coincident system demand (MW)

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22
GXP demand	70	70	71	71	71	72
plus Distributed generation output at HV and above	1	1	1	1	1	1
Maximum coincident system demand	71	71	72	72	72	73
less Net transfers to (from) other EDBs at HV and above	-	-	-	-	-	-
Demand on system for supply to consumers' connection points	71	71	72	72	72	73

Electricity volumes carried (GWh)

Electricity supplied from GXPs	378	378	378	378	378	378
less Electricity exports to GXPs	-	-	-	-	-	-
plus Electricity supplied from distributed generation	16	17	17	17	18	18
less Net electricity supplied to (from) other EDBs						
Electricity entering system for supply to ICPs	395	395	395	395	396	396
less Total energy delivered to ICPs	375	375	375	376	376	376
Losses	20	20	19	20	20	20
Load factor	63%	64%	63%	63%	63%	62%
Loss ratio	5.1%	5.1%	4.9%	5.0%	5.0%	5.0%

Company Name	Marlborough Lines Limited
AMP Planning Period	1 April 2017 – 31 March 2027
Network / Sub-network Name	

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

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

sch ref		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
	for year ended	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22
8							
9							
10	SAIDI						
11	Class B (planned interruptions on the network)	65.0	65.0	65.0	65.0	65.0	65.0
12	Class C (unplanned interruptions on the network)	80.0	80.0	80.0	80.0	80.0	80.0
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)	1.20	1.20	1.20	1.20	1.20	1.20

Company Name	<u>Marlborough Lines Limited</u>
For Year Ended	<u>31 March 2017</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

MLL achieved a post tax return on investment (ROI) of 2.1% and an ROI comparable to the vanilla WACC of 2.6%. These are both well below the mid-point regulated WACC of 4.8% and 5.3% respectively.

This low result is in part due to the manner in which the ROI is calculated, which treats posted discounts (such as MLLs) as a deduction to revenue (line charge revenue is net of discounts) whereas if our discount was discretionary, like many other EDBs in the industry, then the discount is not included in the calculation. If our discount was discretionary, rather than posted, then our ROI would have been 5.9% (post tax) or 6.4% (vanilla).

Schedule 2 (iii) has not been completed as the value of assets commissioned for 2017 is less than 10% of our total opening RAB value (IDD 2.3.3).

No items were reclassified in the disclosure year.

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 2017 of \$11.591m is below our 2016 result of \$14.740m largely as a result of the increased operating expenses as a result of the November 2016 earthquake and associated response.

The overall regulatory profit for 2017 of \$5.773m is up on our 2016 result of \$5.199m largely due to increased revaluations due to higher CPI than the 0.59% recorded in 2016.

Other regulated income includes:

- Capacity and development charges
- Recoveries from fault work
- Sales of scrap (relating to the disposal of assets from the RAB)

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 has been included in these information disclosure accounts.

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)

Our RAB has increased by \$0.8m during the disclosure year. This increase is low comparable to previous year's increases, due to the lower commissioned assets this year which if further explained in Box 12 below.

No items were reclassified in the disclosure year.

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

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
- 8.1 Income not included in regulatory profit / (loss) before tax but taxable;
 - 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
 - 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
 - 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

Box 5: Regulatory tax allowance: permanent differences

- 8.1 Nil
- 8.2 Non deductible expenditure of \$70k
- 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)

The tax effect of temporary differences includes the following:

Increase in employee provisions	\$39k
Increase in bad debts provisions	\$14k
Amortisation of capital contributions	\$45k
Deductible expenditure	(\$174k)

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 transaction beyond those described in Schedule 5b.

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.

No items have been reclassified in the disclosure year.

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.

No items were reclassified in the disclosure year.

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 at and placed 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, a 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

Asset replacement and renewal opex relates to where assets are replaced as part of a larger line asset, where the service potential is not improved. For example this may include items where crossarms are replaced but the pole is not.

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

There have been no items of atypical expenditure.

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

Overall, total expenditure was less than forecast by 2%. Expenditure on assets was 37% less than forecast, with operating expenditure 32% higher than that forecast.

This category variation was caused in large part by the November 2016 Kaikoura earthquake with resources allocated to repair the damage to the network and some capex projects deferred. Other factors include the prolonged procurement and delivery of higher value goods, review and reclassification of expenditure type from capex to opex and delays in getting landowner approval to proceed with development plans.

No items have been reclassified in the disclosure year.

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 2017 of \$34.818m (net of our posted discount of \$8.169m) is 2% above target revenue of \$34.028m as a result of a mid-year price increase, following no price increase at 1 April 2016. Volumes are 0.5% less than last year, partly due to lower irrigation volumes, due to higher rainfall.

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

Unadjusted SAIDI for the year was 353.8 minutes, of which 167.5 minutes was related to the Major Event Day on 14 November 2016 for the Kaikoura earthquake.

Normalised SAIDI for the year was 220.8 minutes for 2017 up on our record 2016 result of 124.2 minutes. The normalised figure includes the boundary value for the November earthquake Major Event Day of 34.5 minutes. The Kaikoura earthquake also had ongoing implications for SAIDI throughout the remainder of the year as repair work was completed, following the initial restoration of power. The year to 31 March 2017 also included a number of unseasonal storms that also impacted our SAIDI result.

The reasons for the adjusted SAIFI increase from 1.06 in 2016 to 1.79 this year are the same as those reasons above for SAIDI.

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 and distribution lines. In the prevailing insurance market conditions coverage for transmission and distribution lines is difficult to obtain and 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

There have been no amendments to previously disclosed information.

Company Name	<u>Marlborough Lines Limited</u>
For Year Ended	<u>31 March 2017</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

Capex forecasts have been converted to nominal dollars for the 10 year planning period using a flat rate of 2.0% after referring to current rates of inflation, those forecast in the short term by the RBNZ and for the long term using the mid-point of the RBNZ target CPI band of 1% to 3%.

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

Same approach for opex as that used for capex above.

Company Name	<u>Marlborough Lines Limited</u>
For Year Ended	<u>31 March 2017</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

Schedule 3: Line charge revenue has been calculated post discount. The discount amount is specified in Schedule 8(ii) at \$8.169m.

Schedule 4(vii) provides weighted average remaining lives as well as average expected total life. The required method of calculation weights the lives using the opening RAB value of the asset. As this value is a depreciated value it skews the weighted average remaining useful life towards the newer assets providing an indication that the overall network is much younger than it actually is. It is therefore not a good indicator of the average life of our network.

Schedule 18 Certification for Year-end Disclosures

Clause 2.9.2

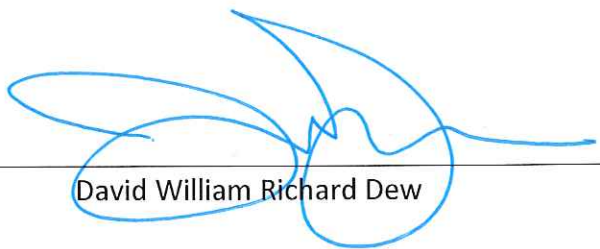
We, Kenneth John Forrest and David William Richard Dew, being Directors of Marlborough Lines Limited certify that, having made all reasonable enquiry, to the best of our knowledge:

- a) the information prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, and 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10 and 14 has been properly extracted from Marlborough Lines Limited's 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 subclauses 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.



Kenneth John Forrest



David William Richard Dew

16 August 2017



INDEPENDENT ASSURANCE REPORT TO THE DIRECTORS OF MARLBOROUGH LINES LIMITED AND 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 Limited, to provide an opinion, on his behalf, on whether the information disclosed in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the system average interruption duration index ('SAIDI') and system average interruption frequency index ('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 2017, have been prepared, in all material respects, in accordance with the Electricity Distribution Information Disclosure Determination 2012 (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.

Our 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* and the Standard on Assurance Engagements 3100: *Compliance Engagements* issued by the External Reporting Board. Copies of these standards are available on the External Reporting Board's website.

These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Disclosure Information has been prepared in all material respects in accordance with the Determination.

We have performed procedures to obtain evidence about the amounts and disclosures in the Disclosure Information. The procedures selected depend on our 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, we considered internal control relevant to the company's preparation of the Disclosure Information in order to design 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.

Use of this report

This independent assurance report has been prepared solely for the directors of the company and for the Commerce Commission for the purpose of providing those parties with reasonable 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 a reasonable assurance 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 assurance report has been formed on the above basis.

Independence and quality control

When carrying out the engagement, we complied with the Auditor-General's:

- independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 (Revised) issued by the New Zealand Auditing and Assurance Standards Board; and
- quality control requirements, which incorporate the quality control requirements of Professional and Ethical Standard 3 (Amended) issued by the New Zealand Auditing and Assurance Standards Board.

We also complied with the independence requirements specified in the Determination.

The Auditor-General, and his employees, and Deloitte Limited 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.

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;
- as far as appears from an examination, the information used in the preparation of the Disclosure Information has been properly extracted from the company's accounting and other records and has been sourced, where appropriate, from the company's financial and non-financial systems; and
- the Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

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

Deloitte Limited

Paul Bryden
for Deloitte Limited
On behalf of the Auditor-General
Christchurch, New Zealand
16 August 2017