



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

Company Name	<input type="text" value="Nelson Electricity Limited"/>
Disclosure Date	<input type="text" value="3 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

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## Disclosure Template Instructions

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

### ***Company Name and Dates***

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

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

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

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

### ***Data Entry Cells and Calculated Cells***

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

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

### ***Validation Settings on Data Entry Cells***

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

### ***Conditional Formatting Settings on Data Entry Cells***

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

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

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

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

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

### ***Inserting Additional Rows and Columns***

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

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

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

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

***Disclosures by Sub-Network***

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

***Schedule References***

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

***Description of Calculation References***

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

***Worksheet Completion Sequence***

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

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

Company Name	Nelson Electricity 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	<b>1(i): Expenditure metrics</b>				
8					
9	<b>Operational expenditure</b>	<b>Expenditure per GWh energy delivered to ICPs (\$/GWh)</b>	<b>Expenditure per average no. of ICPs (\$/ICP)</b>	<b>Expenditure per MW maximum coincident system demand (\$/MW)</b>	<b>Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)</b>
10	Network	14,426	219	60,707	20,870
11	Non-network	4,591	70	19,321	6,642
12		9,835	149	41,385	14,228
13	<b>Expenditure on assets</b>	5,796	88	24,389	8,385
14	Network	5,559	84	23,395	8,043
15	Non-network	236	4	995	342
16					
17	<b>1(ii): Revenue metrics</b>				
18					
19	<b>Total consumer line charge revenue</b>	<b>Revenue per GWh energy delivered to ICPs (\$/GWh)</b>	<b>Revenue per average no. of ICPs (\$/ICP)</b>		
20	Standard consumer line charge revenue	74,667	1,133		
21	Non-standard consumer line charge revenue	77,711	1,097		
22		33,989	165,199		
23	<b>1(iii): Service intensity measures</b>				
24					
25	Demand density	113			Maximum coincident system demand per km of circuit length (for supply) (kW/km)
26	Volume density	474			Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
27	Connection point density	31			Average number of ICPs per km of circuit length (for supply) (ICPs/km)
28	Energy intensity	15,171			Total energy delivered to ICPs per average number of ICPs (kWh/ICP)
29					
30	<b>1(iv): Composition of regulatory income</b>				
31					
32				<b>(\$000)</b>	<b>% of revenue</b>
33	Operational expenditure			2,014	19.30%
34	Pass-through and recoverable costs excluding financial incentives and wash-ups			3,513	33.67%
35	Total depreciation			1,391	13.33%
36	Total revaluations			890	8.53%
37	Regulatory tax allowance			997	9.56%
38	Regulatory profit/(loss) including financial incentives and wash-ups			3,409	32.67%
39	<b>Total regulatory income</b>			<b>10,434</b>	
40	<b>1(v): Reliability</b>				
41					
42	Interruption rate			5.77	Interruptions per 100 circuit km

Company Name **Nelson Electricity 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	<b>ROI – comparable to a post tax WACC</b>			
8				
9	Reflecting all revenue earned	5.43%	6.31%	8.13%
10	Excluding revenue earned from financial incentives	5.43%	6.31%	8.13%
11	Excluding revenue earned from financial incentives and wash-ups	5.43%	6.31%	8.13%
12				
13				
14	<b>Mid-point estimate of post tax WACC</b>	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	<b>ROI – comparable to a vanilla WACC</b>			
20	Reflecting all revenue earned	6.21%	6.96%	8.67%
21	Excluding revenue earned from financial incentives	6.21%	6.96%	8.67%
22	Excluding revenue earned from financial incentives and wash-ups	6.21%	6.96%	8.67%
23				
24	<b>WACC rate used to set regulatory price path</b>	8.77%	7.19%	7.19%
25				
26	<b>Mid-point estimate of vanilla WACC</b>	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	<b>2(ii): Information Supporting the ROI</b>			
31				
32	Total opening RAB value	41,100		
33	plus Opening deferred tax	(1,044)		
34	<b>Opening RIV</b>		40,056	
35				
36	<b>Line charge revenue</b>		10,424	
37				
38	Expenses cash outflow	5,527		
39	add Assets commissioned	647		
40	less Asset disposals	–		
41	add Tax payments	769		
42	less Other regulated income	10		
43	<b>Mid-year net cash outflows</b>		6,933	
44				
45	<b>Term credit spread differential allowance</b>		–	
46				
47	Total closing RAB value	41,246		
48	less Adjustment resulting from asset allocation	0		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(1,272)		
51	<b>Closing RIV</b>		39,974	
52				
53	<b>ROI – comparable to a vanilla WACC</b>			8.67%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			4.41%
57	Corporate tax rate (%)			28%
58				
59	<b>ROI – comparable to a post tax WACC</b>			8.13%
60				

Company Name **Nelson Electricity 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	<b>Total</b>	-	-	-	-	-	-	-
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		8.44%
95			
96	Year-end ROI – comparable to a post tax WACC		7.90%
97			
98	* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.		
99			

**2(v): Financial Incentives and Wash-Ups**

100			
101			
102	Net recoverable costs allowed under incremental rolling incentive scheme		-
103	Purchased assets – avoided transmission charge		
104	Energy efficiency and demand incentive allowance		
105	Quality incentive adjustment		
106	Other financial incentives		
107	<b>Financial incentives</b>		-
108			
109	<b>Impact of financial incentives on ROI</b>		-
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	<b>Wash-up costs</b>		-
120			
121	<b>Impact of wash-up costs on ROI</b>		-

Company Name **Nelson Electricity 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)
7	<b>3(i): Regulatory Profit</b>	
8	<b>Income</b>	
9	Line charge revenue	10,424
10	plus Gains / (losses) on asset disposals	-
11	plus Other regulated income (other than gains / (losses) on asset disposals)	10
12		
13	<b>Total regulatory income</b>	<b>10,434</b>
14	<b>Expenses</b>	
15	less Operational expenditure	2,014
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	3,513
18		
19	<b>Operating surplus / (deficit)</b>	<b>4,907</b>
20		
21	less Total depreciation	1,391
22		
23	plus Total revaluations	890
24		
25	<b>Regulatory profit / (loss) before tax</b>	<b>4,406</b>
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	997
30		
31	<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>	<b>3,409</b>
32		
33	<b>3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups</b>	(\$000)
34	<b>Pass through costs</b>	
35	Rates	31
36	Commerce Act levies	14
37	Industry levies	43
38	CPP specified pass through costs	
39	<b>Recoverable costs excluding financial incentives and wash-ups</b>	
40	Electricity lines service charge payable to Transpower	3,344
41	Transpower new investment contract charges	82
42	System operator services	
43	Distributed generation allowance	
44	Extended reserves allowance	
45	Other recoverable costs excluding financial incentives and wash-ups	
46	<b>Pass-through and recoverable costs excluding financial incentives and wash-ups</b>	<b>3,513</b>
47		



Company Name **Nelson Electricity 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).

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*sch ref*

		(\$000)	
		CY-1	CY
		31 Mar 16	31 Mar 17
48	<b>3(iii): Incremental Rolling Incentive Scheme</b>		
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	<b>Net incremental rolling incentive scheme</b>		-
63			
64	<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>		-
65	<b>3(iv): Merger and Acquisition Expenditure</b>		
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	<b>3(v): Other Disclosures</b>		
70			(\$000)
71	Self-insurance allowance		

Company Name **Nelson Electricity 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	29,657	30,349	42,203	41,669	41,100
	less Total depreciation	1,161	1,173	1,430	1,394	1,391
	plus Total revaluations	255	465	35	244	890
	plus Assets commissioned	1,598	12,561	1,093	581	647
	less Asset disposals			232	-	-
	plus Lost and found assets adjustment					-
	plus Adjustment resulting from asset allocation					0
	<b>Total closing RAB value</b>	<b>30,349</b>	<b>42,203</b>	<b>41,669</b>	<b>41,100</b>	<b>41,246</b>

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		41,100		41,100
	less Total depreciation		1,391		1,391
	plus Total revaluations		890		890
	plus Assets commissioned (other than below)	647		647	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	<b>Assets commissioned</b>		647		647
	less Asset disposals (other than below)				
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	<b>Asset disposals</b>		-		-
	plus Lost and found assets adjustment				
	plus Adjustment resulting from asset allocation				0
	<b>Total closing RAB value</b>		<b>41,246</b>		<b>41,246</b>

\* 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 **Nelson Electricity 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

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

CPI <sub>t</sub>	1,226
CPI <sub>t-4</sub>	1,200
Revaluation rate (%)	2.17%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	41,100		41,100	
less Opening value of fully depreciated, disposed and lost assets				
Total opening RAB value subject to revaluation	41,100		41,100	
<b>Total revaluations</b>		890		890

**4(iv): Roll Forward of Works Under Construction**

	Unallocated works under construction		Allocated works under construction	
<b>Works under construction—preceding disclosure year</b>		6		6
plus Capital expenditure	712		712	
less Assets commissioned	647		647	
plus Adjustment resulting from asset allocation				
<b>Works under construction - current disclosure year</b>		72		72
Highest rate of capitalised finance applied				

Company Name **Nelson Electricity 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)
79 Depreciation - standard	1,391		1,391	
80 Depreciation - no standard life assets				
81 Depreciation - modified life assets				
82 Depreciation - alternative depreciation in accordance with CPP				
83 <b>Total depreciation</b>		1,391		1,391

**85 4(vi): Disclosure of Changes to Depreciation Profiles**

(\$000 unless otherwise specified)

86 Asset or assets with changes to depreciation*	87 Reason for non-standard depreciation (text entry)	88 Depreciation charge for the period (RAB)	89 Closing RAB value under 'non-standard' depreciation	90 Closing RAB value under 'standard' depreciation

\* include additional rows if needed

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

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99 <b>Total opening RAB value</b>	98	5,526	9,978	517	15,518	3,559	2,175	3,470	259	41,100
100 less Total depreciation	2	154	243	26	610	129	113	92	23	1,391
101 plus Total revaluations	2	120	216	11	336	77	47	75	6	890
102 plus Assets commissioned	-	-	40	18	75	387	-	107	19	647
103 less Asset disposals										-
104 plus Lost and found assets adjustment										-
105 plus Adjustment resulting from asset allocation										-
106 plus Asset category transfers										-
107 <b>Total closing RAB value</b>	98	5,492	9,991	520	15,319	3,893	2,109	3,561	262	41,246
109 <b>Asset Life</b>										
110 Weighted average remaining asset life	-	36.0	29.3	25.8	23.5	25.2	14.4	22.6	0.7	(years)
111 Weighted average expected total asset life	60.0	50.4	44.4	57.7	54.5	54.8	39.9	44.6	7.6	(years)

Company Name **Nelson Electricity 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

sch ref

		(\$000)	
7	<b>5a(i): Regulatory Tax Allowance</b>		
8	<b>Regulatory profit / (loss) before tax</b>		4,406
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	0	*
12	Amortisation of initial differences in asset values	693	
13	Amortisation of revaluations	114	
14			807
15			
16	<i>less</i> Total revaluations	890	
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	761	
21			1,651
22			
23	<b>Regulatory taxable income</b>		3,562
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		3,562
27			
28	Corporate tax rate (%)	28%	
29	<b>Regulatory tax allowance</b>		997

\* Workings to be provided in Schedule 14

### 5a(ii): Disclosure of Permanent Differences

In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).

		(\$000)	
34	<b>5a(iii): Amortisation of Initial Difference in Asset Values</b>		
35			
36	Opening unamortised initial differences in asset values	15,247	
37	<i>less</i> Amortisation of initial differences in asset values	693	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired	-	
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	-	
40	Closing unamortised initial differences in asset values		14,554
41			
42	Opening weighted average remaining useful life of relevant assets (years)		22
43			

Company Name **Nelson Electricity 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

sch ref

44	<b>5a(iv): Amortisation of Revaluations</b>		(\$000)
45			
46	Opening sum of RAB values without revaluations	38,943	
47			
48	Adjusted depreciation	1,277	
49	Total depreciation	1,391	
50	Amortisation of revaluations		114
51			
52	<b>5a(v): Reconciliation of Tax Losses</b>		(\$000)
53			
54	Opening tax losses	-	
55	plus Current period tax losses	-	
56	less Utilised tax losses	-	
57	Closing tax losses		-
58	<b>5a(vi): Calculation of Deferred Tax Balance</b>		(\$000)
59			
60	Opening deferred tax	(1,044)	
61			
62	plus Tax effect of adjusted depreciation	358	
63			
64	less Tax effect of tax depreciation	395	
65			
66	plus Tax effect of other temporary differences*	3	
67			
68	less Tax effect of amortisation of initial differences in asset values	194	
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	-	
73			
74	plus Deferred tax cost allocation adjustment	(0)	
75			
76	Closing deferred tax		(1,272)
77			
78	<b>5a(vii): Disclosure of Temporary Differences</b>		
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	<b>5a(viii): Regulatory Tax Asset Base Roll-Forward</b>		
82			(\$000)
83	Opening sum of regulatory tax asset values	19,365	
84	less Tax depreciation	1,409	
85	plus Regulatory tax asset value of assets commissioned	657	
86	less Regulatory tax asset value of asset disposals	-	
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		18,613

Company Name **Nelson Electricity 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	7
9	Operational expenditure	200
10	Capital expenditure	
11	Market value of asset disposals	
12	Other related party transactions	

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

14	Name of related party	Related party relationship
15	Network Tasman Limited	Shareholder (50%)
16	Marlborough Lines Limited	Shareholder (50%)
17		
18		
19		

\* include additional rows if needed

**21 5b(iii): Related Party Transactions**

22	Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
23	Network Tasman Limited	Opex	Business Support	49	ID clause 2.3.6(1)(d)
24	Marlborough Lines Limited	Opex	Business Support	102	ID clause 2.3.6(1)(d)
25	Network Tasman Limited	Opex	Fibre Optic Charges	7	ID clause 2.3.6(1)(c)(i)
26					
27	Network Tasman Limited	Sales	Lease of Building Space	7	ID clause 2.3.7(2)(a)
28	Marlborough Lines Limited	Opex	Directors Fees	20	ID clause 2.3.6(1)(f)
29	Network Tasman Limited	Opex	Directors Fees	20	ID clause 2.3.6(1)(f)
30	Network Tasman Limited	Opex	Administration Fee	2	ID clause 2.3.6(1)(d)
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 **Nelson Electricity 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**

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



Company Name **Nelson Electricity 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

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	<b>5d(i): Operating Cost Allocations</b>					
8						
9						
10	<b>Service interruptions and emergencies</b>					
11	Directly attributable		165			
12	Not directly attributable				-	
13	<b>Total attributable to regulated service</b>		165			
14	<b>Vegetation management</b>					
15	Directly attributable		37			
16	Not directly attributable				-	
17	<b>Total attributable to regulated service</b>		37			
18	<b>Routine and corrective maintenance and inspection</b>					
19	Directly attributable		357			
20	Not directly attributable				-	
21	<b>Total attributable to regulated service</b>		357			
22	<b>Asset replacement and renewal</b>					
23	Directly attributable		82			
24	Not directly attributable				-	
25	<b>Total attributable to regulated service</b>		82			
26	<b>System operations and network support</b>					
27	Directly attributable		400			
28	Not directly attributable				-	
29	<b>Total attributable to regulated service</b>		400			
30	<b>Business support</b>					
31	Directly attributable		973			
32	Not directly attributable				-	
33	<b>Total attributable to regulated service</b>		973			
34						
35	<b>Operating costs directly attributable</b>		2,014			
36	<b>Operating costs not directly attributable</b>	-	-	-	-	-
37	<b>Operational expenditure</b>		2,014			
38						

Company Name **Nelson Electricity 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

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**5d(ii): Other Cost Allocations**

**Pass through and recoverable costs**

(\$000)

**Pass through costs**

Directly attributable

88

Not directly attributable

**Total attributable to regulated service**

88

**Recoverable costs**

Directly attributable

3,425

Not directly attributable

**Total attributable to regulated service**

3,425

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

(\$000)

**Change in cost allocation 1**

CY-1 Current Year (CY)

Cost category

Original allocation

Original allocator or line items

New allocation

New allocator or line items

Difference

- -

Rationale for change

(\$000)

**Change in cost allocation 2**

CY-1 Current Year (CY)

Cost category

Original allocation

Original allocator or line items

New allocation

New allocator or line items

Difference

- -

Rationale for change

(\$000)

**Change in cost allocation 3**

CY-1 Current Year (CY)

Cost category

Original allocation

Original allocator or line items

New allocation

New allocator or line items

Difference

- -

Rationale for change

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

† include additional rows if needed

Company Name **Nelson Electricity 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
7	<b>Subtransmission lines</b>	
11	Directly attributable	98
12	Not directly attributable	
13	<b>Total attributable to regulated service</b>	98
14	<b>Subtransmission cables</b>	
15	Directly attributable	5,492
16	Not directly attributable	
17	<b>Total attributable to regulated service</b>	5,492
18	<b>Zone substations</b>	
19	Directly attributable	9,991
20	Not directly attributable	
21	<b>Total attributable to regulated service</b>	9,991
22	<b>Distribution and LV lines</b>	
23	Directly attributable	520
24	Not directly attributable	
25	<b>Total attributable to regulated service</b>	520
26	<b>Distribution and LV cables</b>	
27	Directly attributable	15,319
28	Not directly attributable	
29	<b>Total attributable to regulated service</b>	15,319
30	<b>Distribution substations and transformers</b>	
31	Directly attributable	3,893
32	Not directly attributable	
33	<b>Total attributable to regulated service</b>	3,893
34	<b>Distribution switchgear</b>	
35	Directly attributable	2,109
36	Not directly attributable	
37	<b>Total attributable to regulated service</b>	2,109
38	<b>Other network assets</b>	
39	Directly attributable	3,561
40	Not directly attributable	
41	<b>Total attributable to regulated service</b>	3,561
42	<b>Non-network assets</b>	
43	Directly attributable	262
44	Not directly attributable	
45	<b>Total attributable to regulated service</b>	262
47	<b>Regulated service asset value directly attributable</b>	41,246
48	<b>Regulated service asset value not directly attributable</b>	-
49	<b>Total closing RAB value</b>	41,246

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
53	<b>Change in asset value allocation 1</b>		
54	Asset category		
55	Original allocator or line items		
56	New allocator or line items		
57			
58	Rationale for change		
59			
60			
61			
62	<b>Change in asset value allocation 2</b>		
63	Asset category		
64	Original allocator or line items		
65	New allocator or line items		
66			
67	Rationale for change		
68			
69			
70			
71	<b>Change in asset value allocation 3</b>		
72	Asset category		
73	Original allocator or line items		
74	New allocator or line items		
75			
76	Rationale for change		
77			

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

Company Name **Nelson Electricity 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

7	<b>6a(i): Expenditure on Assets</b>		<b>(\$000)</b>	<b>(\$000)</b>
8	Consumer connection			-
9	System growth			167
10	Asset replacement and renewal			525
11	Asset relocations			49
12	Reliability, safety and environment:			
13	Quality of supply		-	
14	Legislative and regulatory		-	
15	Other reliability, safety and environment		35	
16	<b>Total reliability, safety and environment</b>			<b>35</b>
17	<b>Expenditure on network assets</b>			<b>776</b>
18	Expenditure on non-network assets			33
19				
20	<b>Expenditure on assets</b>			<b>809</b>
21	plus Cost of financing			-
22	less Value of capital contributions			97
23	plus Value of vested assets			-
24				
25	<b>Capital expenditure</b>			<b>712</b>
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>			<b>(\$000)</b>
27	Energy efficiency and demand side management, reduction of energy losses			
28	Overhead to underground conversion			
29	Research and development			
30	<b>6a(iii): Consumer Connection</b>			
31	<i>Consumer types defined by EDB*</i>		<b>(\$000)</b>	<b>(\$000)</b>
32	[EDB consumer type]			
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	<b>Consumer connection expenditure</b>			<b>-</b>
39				
40	less Capital contributions funding consumer connection expenditure			
41	<b>Consumer connection less capital contributions</b>			<b>-</b>
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>			
43			<b>System Growth</b>	<b>Asset Replacement and Renewal</b>
44			<b>(\$000)</b>	<b>(\$000)</b>
45	Subtransmission			
46	Zone substations			32
47	Distribution and LV lines			18
48	Distribution and LV cables		31	118
49	Distribution substations and transformers		137	241
50	Distribution switchgear			
51	Other network assets			115
52	<b>System growth and asset replacement and renewal expenditure</b>		<b>167</b>	<b>525</b>
53	less Capital contributions funding system growth and asset replacement and renewal		36	61
54	<b>System growth and asset replacement and renewal less capital contributions</b>		<b>131</b>	<b>464</b>
55				
56	<b>6a(v): Asset Relocations</b>			
57	<i>Project or programme*</i>		<b>(\$000)</b>	<b>(\$000)</b>
58	[Description of material project or programme]			
59	[Description of material project or programme]			
60	[Description of material project or programme]			
61	[Description of material project or programme]			
62	[Description of material project or programme]			
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations		49	
65	<b>Asset relocations expenditure</b>			<b>49</b>
66	less Capital contributions funding asset relocations			
67	<b>Asset relocations less capital contributions</b>			<b>49</b>

Company Name **Nelson Electricity 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	<b>6a(vi): Quality of Supply</b>			
70	Project or programme*		(\$000)	(\$000)
71	[Description of material project or programme]			
72	[Description of material project or programme]			
73	[Description of material project or programme]			
74	[Description of material project or programme]			
75	[Description of material project or programme]			
76	* include additional rows if needed			
77	All other projects programmes - quality of supply		-	
78	<b>Quality of supply expenditure</b>			-
79	less Capital contributions funding quality of supply		-	
80	<b>Quality of supply less capital contributions</b>			-
81	<b>6a(vii): Legislative and Regulatory</b>			
82	Project or programme*		(\$000)	(\$000)
83	[Description of material project or programme]			
84	[Description of material project or programme]			
85	[Description of material project or programme]			
86	[Description of material project or programme]			
87	[Description of material project or programme]			
88	* include additional rows if needed			
89	All other projects or programmes - legislative and regulatory		-	
90	<b>Legislative and regulatory expenditure</b>			-
91	less Capital contributions funding legislative and regulatory		-	
92	<b>Legislative and regulatory less capital contributions</b>			-
93	<b>6a(viii): Other Reliability, Safety and Environment</b>			
94	Project or programme*		(\$000)	(\$000)
95	[Description of material project or programme]			
96	[Description of material project or programme]			
97	[Description of material project or programme]			
98	[Description of material project or programme]			
99	[Description of material project or programme]			
100	* include additional rows if needed			
101	All other projects or programmes - other reliability, safety and environment		35	
102	<b>Other reliability, safety and environment expenditure</b>			35
103	less Capital contributions funding other reliability, safety and environment		-	
104	<b>Other reliability, safety and environment less capital contributions</b>			35
105				
106	<b>6a(ix): Non-Network Assets</b>			
107	<b>Routine expenditure</b>			
108	Project or programme*		(\$000)	(\$000)
109	[Description of material project or programme]			
110	[Description of material project or programme]			
111	[Description of material project or programme]			
112	[Description of material project or programme]			
113	[Description of material project or programme]			
114	* include additional rows if needed			
115	All other projects or programmes - routine expenditure			
116	<b>Routine expenditure</b>			-
117	<b>Atypical expenditure</b>			
118	Project or programme*		(\$000)	(\$000)
119	[Description of material project or programme]			
120	[Description of material project or programme]			
121	[Description of material project or programme]			
122	[Description of material project or programme]			
123	[Description of material project or programme]			
124	* include additional rows if needed			
125	All other projects or programmes - atypical expenditure		33	
126	<b>Atypical expenditure</b>			33
127				
128	<b>Expenditure on non-network assets</b>			33

Company Name **Nelson Electricity 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	<b>6b(i): Operational Expenditure</b>		
8	Service interruptions and emergencies	165	
9	Vegetation management	37	
10	Routine and corrective maintenance and inspection	357	
11	Asset replacement and renewal	82	
12	<b>Network opex</b>		641
13	System operations and network support	400	
14	Business support	973	
15	<b>Non-network opex</b>		1,373
16			
17	<b>Operational expenditure</b>		2,014
18	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		126
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Nelson Electricity 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

		Target (\$000) <sup>1</sup>	Actual (\$000)	% variance
7	<b>7(i): Revenue</b>			
8	Line charge revenue	10,339	10,424	1%
9	<b>7(ii): Expenditure on Assets</b>			
10	Consumer connection	–	–	–
11	System growth	184	167	(9%)
12	Asset replacement and renewal	535	525	(2%)
13	Asset relocations	30	49	63%
14	Reliability, safety and environment:			
15	Quality of supply	120	–	(100%)
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	85	35	(59%)
18	<b>Total reliability, safety and environment</b>	205	35	(83%)
19	<b>Expenditure on network assets</b>	954	776	(19%)
20	Expenditure on non-network assets	98	33	(66%)
21	Expenditure on assets	1,052	809	(23%)
22	<b>7(iii): Operational Expenditure</b>			
23	Service interruptions and emergencies	120	165	38%
24	Vegetation management	31	37	19%
25	Routine and corrective maintenance and inspection	230	357	55%
26	Asset replacement and renewal	329	82	(75%)
27	<b>Network opex</b>	710	641	(10%)
28	System operations and network support	250	400	60%
29	Business support	1,150	973	(15%)
30	<b>Non-network opex</b>	1,400	1,373	(2%)
31	<b>Operational expenditure</b>	2,110	2,014	(5%)
32	<b>7(iv): Subcomponents of Expenditure on Assets (where known)</b>			
33	Energy efficiency and demand side management, reduction of energy losses		–	–
34	Overhead to underground conversion		–	–
35	Research and development		–	–
36				
37	<b>7(v): Subcomponents of Operational Expenditure (where known)</b>			
38	Energy efficiency and demand side management, reduction of energy losses		–	–
39	Direct billing		–	–
40	Research and development		–	–
41	Insurance		126	–
42				

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

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

Company Name  
For Year Ended  
Network / Sub-Network Name

Nelson Electricity Limited  
31 March 2017

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**

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

**8(i): Billed Quantities by Price Component**

**Billed quantities by price component**

Price component

Streetlight	0-Builders Temporary	0-Unmetered	Group 1 Fixed	Group 1 Variable	Group 2 Distributed Generation	Group 2 Fixed	Group 2 Variable	Group 2 Distributed Generation	TOU - Capacity	TOU - Winter Demand	TOU - Installation	TOU - Variable	TOU - Power Factor	TOU Group 4	TOU Group 4 - Power Factor	TOU - Transmission
Days	Days	Days	kVA	kWh	kWh	kVA	kWh	kWh	kVA	kVA	Days	kWh	kVAh	Month	kVAh	Month
365	5,120	10,316	19,461,030	18,555,983	77,192	42,497,354	63,015,781	155,800	10,214,407	3,896,608	32,800	14,165,927	6,427	12	--	--
--	--	--	--	--	--	--	--	--	1,423,500	652,891	736	9,720,611	1,319	--	--	24
365	5,120	10,316	19,461,030	18,555,983	77,192	42,497,354	63,015,781	155,800	10,214,407	3,896,608	32,800	14,165,927	6,427	12	--	--
--	--	--	--	--	--	--	--	--	1,423,500	652,891	736	9,720,611	1,319	--	--	24
365	5,120	10,316	19,461,030	18,555,983	77,192	42,497,354	63,015,781	155,800	11,637,907	4,549,089	33,580	43,886,558	7,746	12	--	24

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

Unit charging basis (eg. days, kWh of demand, kVA of capacity, etc.)

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)
Load Group 0	Unmetered	Standard	90	1,093
Load Group 1	Residential Low User	Standard	3,523	18,565
Load Group 2	Residential and Small Business	Standard	5,536	63,016
Load Group 3	Time of Use	Standard	89	34,386
Load Group 4	Large TOU	Standard	1	13,095
Load Group 5	Time of Use	Non-standard	2	6,721
Add extra rows for additional consumer groups or price category codes as necessary				
Standard consumer totals			9,201	126,886
Non-standard consumer totals			2	6,721
Total for all consumers			9,203	133,607



Company Name  
For Year Ended  
Network / Sub-Network Name

Nelson Electricity Limited  
31 March 2017

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**

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

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

Line charge revenues (\$000) by price component

Price component	Streetlight	0-Builders Temporary	0-Unmetered	Group 1 Fixed	Group 1 Variable	Group 1 Distributed Generation	Group 2 Fixed	Group 2 Variable	Group 2 Distributed Generation	TDU - Capacity	TDU - Winter Demand	TDU - Installation	TDU - Variable	TDU - Power Factor	TDU Group 4	TDU Group 4 - Power Factor	TDU - Transmission
	Days	Days	Days	kVA	kWh	kWh	kVA	kWh	kWh	kVA	kVA	Days	kWh	kVAh	Month	kVAh	Month
	\$108	\$4	\$2	\$195	\$1,529	\$0	\$2,745	\$2,985	\$1	\$531	\$896	\$41	\$547	\$42	\$467	-	\$144
	\$108	\$4	\$2	\$195	\$1,529	\$0	\$2,745	\$2,985	\$1	\$531	\$896	\$41	\$547	\$42	\$467	-	\$144

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

Consumer group name or price category code	Consumer type or types (eg. residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)
Load Group 0	Unmetered	Standard	\$114	-
Load Group 1	Residential Low Use	Standard	\$1,724	\$67
Load Group 2	Residential and Small Business	Standard	\$5,791	\$1,741
Load Group 3	Time of Use	Standard	\$2,857	\$876
Load Group 4	Large TDU	Standard	\$467	\$200
Load Group 5	Time of Use	Non-standard	\$330	\$144
Add extra rows for additional consumer groups or price category codes as necessary				
		Standard consumer totals	\$10,094	-
		Non-standard consumer totals	\$130	\$144
		Total for all consumers	\$10,424	-

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg. \$ per day, \$ per kWh, etc.)
\$790	\$24	
\$3,990	\$1,741	
\$1,181	\$876	
\$207	\$200	
\$130	\$144	
\$6,719	\$3,374	
\$130	\$144	
\$6,906	\$3,518	

**8(iii): Number of ICPs directly billed**

Number of directly billed ICPs at year end

Check  OK

Company Name	<b>Nelson Electricity Limited</b>
For Year Ended	<b>31 March 2017</b>
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

	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	712	711	(1)	2
9	All	Overhead Line	Wood poles	No.	189	183	(6)	2
10	All	Overhead Line	Other pole types	No.	-	-	-	N/A
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	-	N/A
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	12	12	0	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	6	6	(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.	1	1	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	N/A
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	10	10	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	N/A
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	26	26	-	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	3	3	-	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	6	5	(1)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	2	2	-	2
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	23	23	0	2
38	HV	Distribution Cable	Distribution UG PILC	km	51	51	(0)	2
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.	1	1	-	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	41	39	(2)	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	25	23	(2)	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	47	47	-	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	261	253	(8)	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	16	15	(1)	4
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	182	184	2	3
47	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	N/A
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	182	184	2	3
49	LV	LV Line	LV OH Conductor	km	23	23	(0)	2
50	LV	LV Cable	LV UG Cable	km	172	173	0	2
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	69	69	(0)	2
52	LV	Connections	OH/UG consumer service connections	No.	9,193	9,206	13	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	75	75	-	4
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	1	1	-	4
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Load Control	Civils	km	-	-	-	N/A
59	All	Civils	Cable Tunnels	km	-	-	-	N/A



Company Name **Nelson Electricity 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	<b>Circuit length by operating voltage (at year end)</b>	<b>Overhead (km)</b>	<b>Underground (km)</b>
11	> 66kV		
12	50kV & 66kV		
13	33kV		17
14	SWER (all SWER voltages)	2	
15	22kV (other than SWER)		
16	6.6kV to 11kV (inclusive—other than SWER)	5	74
17	Low voltage (< 1kV)	23	173
18	<b>Total circuit length (for supply)</b>	<b>30</b>	<b>265</b>
19			
20	Dedicated street lighting circuit length (km)	1	68
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			
23	<b>Overhead circuit length by terrain (at year end)</b>	<b>(% of total circuit length)</b>	
24	Urban	28	93%
25	Rural		
26	Remote only	2	7%
27	Rugged only		
28	Remote and rugged		
29	Unallocated overhead lines		
30	<b>Total overhead length</b>	<b>30</b>	<b>100%</b>
31			
32		<b>(% of total circuit length)</b>	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	295	100%
34		<b>(% of total overhead length)</b>	
35	Overhead circuit requiring vegetation management	30	100%

Company Name **Nelson Electricity 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	Nelson Electricity 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

8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
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39  
40  
41  
42  
43  
44  
45  
46  
47

**9e(i): Consumer Connections**

Number of ICPs connected in year by consumer type

Consumer types defined by EDB\*

Load Group 0
Load Group 1
Load Group 2
Load Group 3
Load Group 4

\* include additional rows if needed

Number of connections (ICPs)

11
3
30
2
-

Connections total

46
----

**Distributed generation**

Number of connections made in year

21	connections
----	-------------

Capacity of distributed generation installed in year

0.05	MVA
------	-----

**9e(ii): System Demand**

**Maximum coincident system demand**

GXP demand

33
----

plus Distributed generation output at HV and above

Maximum coincident system demand

33
----

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

Demand on system for supply to consumers' connection points

33
----

**Electricity volumes carried**

Electricity supplied from GXPs

145
-----

less Electricity exports to GXPs

plus Electricity supplied from distributed generation

0
---

less Net electricity supplied to (from) other EDBs

Electricity entering system for supply to consumers' connection points

145
-----

less Total energy delivered to ICPs

140
-----

Electricity losses (loss ratio)

5	3.7%
---	------

Load factor

0.50
------

**9e(iii): Transformer Capacity**

Distribution transformer capacity (EDB owned)

97
----

Distribution transformer capacity (Non-EDB owned, estimated)

Total distribution transformer capacity

97
----

Zone substation transformer capacity

48
----

Company Name	Nelson Electricity 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	<b>10(i): Interruptions</b>		
9	<b>Interruptions by class</b>	<b>Number of interruptions</b>	
10	Class A (planned interruptions by Transpower)		–
11	Class B (planned interruptions on the network)		12
12	Class C (unplanned interruptions on the network)		5
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	<b>Total</b>		17
20			
21	<b>Interruption restoration</b>	<b>≤3Hrs</b>	<b>&gt;3hrs</b>
22	Class C interruptions restored within	4	1
23			
24	<b>SAIFI and SAIDI by class</b>	<b>SAIFI</b>	<b>SAIDI</b>
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	0.07	8.8
27	Class C (unplanned interruptions on the network)	0.17	27.4
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	<b>Total</b>	0.23	36.3
35			
36	<b>Normalised SAIFI and SAIDI</b>	<b>Normalised SAIFI</b>	<b>Normalised SAIDI</b>
37	Classes B & C (interruptions on the network)	0.10	10.6
38			
39	<b>Quality path normalised reliability limit</b>	<b>SAIFI reliability limit</b>	<b>SAIDI reliability limit</b>
40	SAIFI and SAIDI limits applicable to disclosure year*	0.24	22.2
41	* not applicable to exempt EDBs		

Company Name **Nelson Electricity 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.

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

Cause	SAIFI	SAIDI
Lightning	-	-
Vegetation	-	-
Adverse weather	0.00	0.0
Adverse environment	0.13	21.1
Third party interference	0.02	5.5
Wildlife	-	-
Human error	-	-
Defective equipment	0.02	0.8
Cause unknown	-	-

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.05	6.5
Distribution cables (excluding LV)	0.00	1.1
Distribution other (excluding LV)	0.01	1.3

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.15	26.6
Distribution cables (excluding LV)	0.01	0.3
Distribution other (excluding LV)	0.01	0.5

**10(v): Fault Rate**

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	-	-	-
Subtransmission cables	-	17	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	3	5	60.00
Distribution cables (excluding LV)	1	74	1.35
Distribution other (excluding LV)	1	-	-
<b>Total</b>	<b>5</b>		