



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

Company Name	<input type="text" value="Nelson Electricity Ltd"/>
Disclosure Date	<input type="text" value="24 August 2021"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2021"/>

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 21 December 2017

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 21 December 2017). 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 Ltd**
 For Year Ended **31 March 2021**

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				
10	14,767	216	60,605	6,729	20,120
11	5,025	74	20,624	2,290	6,847
12	9,742	143	39,981	4,439	13,273
13	Expenditure on assets				
14	7,770	114	31,887	3,540	10,586
15	7,725	113	31,702	3,520	10,525
16	45	1	185	21	62

17 1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
18		
19	Total consumer line charge revenue	
20	66,045	968
21	64,955	889
22	81,441	365,713

23 1(iii): Service intensity measures

25	Demand density	111	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
26	Volume density	456	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	14,660	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 1(iv): Composition of regulatory income

	(\$000)	% of revenue	
32	Operational expenditure	2,007	22.36%
33	Pass-through and recoverable costs excluding financial incentives and wash-ups	2,915	32.47%
34	Total depreciation	1,599	17.81%
35	Total revaluations	659	7.34%
36	Regulatory tax allowance	809	9.01%
37	Regulatory profit/(loss) including financial incentives and wash-ups	2,306	25.69%
38	Total regulatory income	8,977	

40 1(v): Reliability

41			
42	Interruption rate	3.35	Interruptions per 100 circuit km

Company Name **Nelson Electricity Ltd**
For Year Ended **31 March 2021**

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 19	31 Mar 20	31 Mar 21
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	6.43%	8.06%	5.29%
10	Excluding revenue earned from financial incentives	6.31%	7.94%	4.20%
11	Excluding revenue earned from financial incentives and wash-ups	6.26%	7.89%	4.20%
12				
13				
14	Mid-point estimate of post tax WACC	4.75%	4.27%	3.72%
15	25th percentile estimate	4.07%	3.59%	3.04%
16	75th percentile estimate	5.43%	4.95%	4.40%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	6.94%	8.49%	5.62%
21	Excluding revenue earned from financial incentives	6.82%	8.36%	4.54%
22	Excluding revenue earned from financial incentives and wash-ups	6.77%	8.31%	4.54%
23				
24	WACC rate used to set regulatory price path	7.19%	7.19%	4.57%
25				
26	Mid-point estimate of vanilla WACC	5.26%	4.69%	4.05%
27	25th percentile estimate	4.58%	4.01%	3.37%
28	75th percentile estimate	5.94%	5.37%	4.73%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	43,349		
33	plus Opening deferred tax	(1,815)		
34	Opening RIV		41,534	
35				
36	Line charge revenue		8,976	
37				
38	Expenses cash outflow	4,922		
39	add Assets commissioned	763		
40	less Asset disposals	9		
41	add Tax payments	611		
42	less Other regulated income	1		
43	Mid-year net cash outflows		6,286	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	43,164		
48	less Adjustment resulting from asset allocation	–		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(2,013)		
51	Closing RIV		41,150	
52				
53	ROI – comparable to a vanilla WACC			5.62%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			2.82%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			5.29%
60				

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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							4.05%
95									
96		Year-end ROI – comparable to a post tax WACC							3.72%
97									
98		<i>* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.</i>							
99									

2(v): Financial Incentives and Wash-Ups

100									
101									
102		Net recoverable costs allowed under incremental rolling incentive scheme							-
103		Purchased assets – avoided transmission charge							-
104		Energy efficiency and demand incentive allowance							-
105		Quality incentive adjustment							40
106		Other financial incentives							568
107		Financial incentives							608
108									
109		Impact of financial incentives on ROI							1.08%
110									
111		Input methodology claw-back							-
112		CPP application recoverable costs							-
113		Catastrophic event allowance							-
114		Capex wash-up adjustment							-
115		Transmission asset wash-up adjustment							-
116		2013–15 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 **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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

sch ref		(\$000)
7	3(i): Regulatory Profit	
8	Income	
9	Line charge revenue	8,976
10	plus Gains / (losses) on asset disposals	(9)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	10
12		
13	Total regulatory income	8,977
14	Expenses	
15	less Operational expenditure	2,007
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	2,915
18		
19	Operating surplus / (deficit)	4,055
20		
21	less Total depreciation	1,599
22		
23	plus Total revaluations	659
24		
25	Regulatory profit / (loss) before tax	3,116
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	809
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	2,306
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	34
36	Commerce Act levies	13
37	Industry levies	46
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	2,822
41	Transpower new investment contract charges	-
42	System operator services	-
43	Distributed generation allowance	-
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	2,915
47		

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)	RAB 31 Mar 21 (\$000)
	Total opening RAB value	41,100	41,246	41,111	41,934	43,349
	less Total depreciation	1,391	1,426	1,447	1,530	1,599
	plus Total revaluations	890	454	610	1,063	659
	plus Assets commissioned	647	934	1,659	1,883	763
	less Asset disposals	-	97	-	-	9
	plus Lost and found assets adjustment	-	-	-	-	-
	plus Adjustment resulting from asset allocation	-	0	-	-	-
	Total closing RAB value	41,246	41,111	41,934	43,349	43,164

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		43,349		43,349
	less Total depreciation		1,599		1,599
	plus Total revaluations		659		659
	plus Assets commissioned (other than below)	763		763	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	Assets commissioned		763		763
	less Asset disposals (other than below)	9		9	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		9		9
	plus Lost and found assets adjustment				
	plus Adjustment resulting from asset allocation				-
	Total closing RAB value		43,164		43,164

* 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 Ltd**
 For Year Ended **31 March 2021**

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	1,068
55	CPI _{t-4}	1,052
56	Revaluation rate (%)	1.52%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
59				
60	Total opening RAB value	43,349	43,349	
61	less Opening value of fully depreciated, disposed and lost assets			
62	Total opening RAB value subject to revaluation	43,349	43,349	
64	Total revaluations		659	659

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
68	Works under construction—preceding disclosure year			
69	plus Capital expenditure	1,056	1,056	
70	less Assets commissioned	763	763	
71	plus Adjustment resulting from asset allocation			
72	Works under construction - current disclosure year		293	293
74	Highest rate of capitalised finance applied			

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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)
77			
78			
79	1,599		1,599
80			
81			
82			
83		1,599	1,599
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
86				
87				
88				
89				
90				
91				
92				
93				
94				

* include additional rows if needed

96 4(vii): Disclosure by Asset Category

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
97										
98										
99										
100										
101										
102										
103										
104										
105										
106										
107										
108										
109										
110										
111										

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

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

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		3,116
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	-	*
12	Amortisation of initial differences in asset values	693	
13	Amortisation of revaluations	226	
14			919
15			
16	<i>less</i> Total revaluations	659	
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	485	
21			1,144
22			
23	Regulatory taxable income		2,890
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		2,890
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		809

* 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	12,475	
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		11,782
41			
42	Opening weighted average remaining useful life of relevant assets (years)		18
43			

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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 130.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	38,782	
47			
48	Adjusted depreciation	1,373	
49	Total depreciation	1,599	
50	Amortisation of revaluations		226
51			
52	5a(v): Reconciliation of Tax Losses		(\$000)
53			
54	Opening tax losses	-	
55	plus Current period tax losses	-	
56	less Utilised tax losses	-	
57	Closing tax losses		-
58	5a(vi): Calculation of Deferred Tax Balance		(\$000)
59			
60	Opening deferred tax	(1,815)	
61			
62	plus Tax effect of adjusted depreciation	384	
63			
64	less Tax effect of tax depreciation	393	
65			
66	plus Tax effect of other temporary differences*	2	
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	(3)	
73			
74	plus Deferred tax cost allocation adjustment	-	
75			
76	Closing deferred tax		(2,013)
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	19,060	
84	less Tax depreciation	1,405	
85	plus Regulatory tax asset value of assets commissioned	764	
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		18,419

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

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

sch ref

		(\$000)	(\$000)
7	5b(i): Summary—Related Party Transactions		
8	Total regulatory income		–
9			
10	Market value of asset disposals		–
11			
12	Service interruptions and emergencies	–	
13	Vegetation management	–	
14	Routine and corrective maintenance and inspection	–	
15	Asset replacement and renewal (opex)	–	
16	Network opex		–
17	Business support	139	
18	System operations and network support	49	
19	Operational expenditure		188
20	Consumer connection	–	
21	System growth	–	
22	Asset replacement and renewal (capex)	–	
23	Asset relocations	–	
24	Quality of supply	–	
25	Legislative and regulatory	–	
26	Other reliability, safety and environment	–	
27	Expenditure on non-network assets		–
28	Expenditure on assets		–
29	Cost of financing		–
30	Value of capital contributions		–
31	Value of vested assets		–
32	Capital Expenditure		–
33	Total expenditure		188
34			
35	Other related party transactions		–

5b(iii): Total Opex and Capex Related Party Transactions

	Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
37			
38	Marlborough Lines Ltd	Business support	110
39	Network Tasman Ltd	System operations and network support	49
40	Network Tasman Ltd	Business support	29
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53	Total value of related party transactions		188

* include additional rows if needed

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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

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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	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		42%		
Average opening and closing RAB values				
Attribution Rate (%)				-
Term credit spread differential allowance				-

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		108			
12	Not directly attributable	-	-	-	-	-
13	Total attributable to regulated service		108			
14	Vegetation management					
15	Directly attributable		41			
16	Not directly attributable	-	-	-	-	-
17	Total attributable to regulated service		41			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		453			
20	Not directly attributable	-	-	-	-	-
21	Total attributable to regulated service		453			
22	Asset replacement and renewal					
23	Directly attributable		81			
24	Not directly attributable	-	-	-	-	-
25	Total attributable to regulated service		81			
26	System operations and network support					
27	Directly attributable		409			
28	Not directly attributable	-	-	-	-	-
29	Total attributable to regulated service		409			
30	Business support					
31	Directly attributable		915			
32	Not directly attributable	-	-	-	-	-
33	Total attributable to regulated service		915			
34						
35	Operating costs directly attributable		2,007			
36	Operating costs not directly attributable	-	-	-	-	-
37	Operational expenditure		2,007			
38						

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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	93
43	Not directly attributable	
44	Total attributable to regulated service	93
45	Recoverable costs	
46	Directly attributable	2,822
47	Not directly attributable	
48	Total attributable to regulated service	2,822

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	Original allocation	
54	New allocator or line items	New allocation	
55		Difference	-
56			-
57	Rationale for change		

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

		(\$000)	
		CY-1	Current Year (CY)
69	Change in cost allocation 3		
70	Cost category		
71	Original allocator or line items	Original allocation	
72	New allocator or line items	New allocation	
73		Difference	-
74			-
75	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 **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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	Subtransmission lines	
11	Directly attributable	–
12	Not directly attributable	–
13	Total attributable to regulated service	–
14	Subtransmission cables	
15	Directly attributable	5,188
16	Not directly attributable	–
17	Total attributable to regulated service	5,188
18	Zone substations	
19	Directly attributable	9,727
20	Not directly attributable	–
21	Total attributable to regulated service	9,727
22	Distribution and LV lines	
23	Directly attributable	738
24	Not directly attributable	–
25	Total attributable to regulated service	738
26	Distribution and LV cables	
27	Directly attributable	15,053
28	Not directly attributable	–
29	Total attributable to regulated service	15,053
30	Distribution substations and transformers	
31	Directly attributable	5,283
32	Not directly attributable	–
33	Total attributable to regulated service	5,283
34	Distribution switchgear	
35	Directly attributable	3,117
36	Not directly attributable	–
37	Total attributable to regulated service	3,117
38	Other network assets	
39	Directly attributable	3,733
40	Not directly attributable	–
41	Total attributable to regulated service	3,733
42	Non-network assets	
43	Directly attributable	325
44	Not directly attributable	–
45	Total attributable to regulated service	325
47	Regulated service asset value directly attributable	43,164
48	Regulated service asset value not directly attributable	–
49	Total closing RAB value	43,164

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
53	Change in asset value allocation 1		
54	Asset category		
55	Original allocator or line items		
56	New allocator or line items		
57			
58	Rationale for change		
59			
60			
61			
62	Change in asset value allocation 2		
63	Asset category		
64	Original allocator or line items		
65	New allocator or line items		
66			
67	Rationale for change		
68			
69			
70			
71	Change in asset value allocation 3		
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 component
 † include additional rows if needed

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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

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

sch ref

7	6a(i): Expenditure on Assets			
8	Consumer connection			5
9	System growth			36
10	Asset replacement and renewal			689
11	Asset relocations			-
12	Reliability, safety and environment:			
13	Quality of supply	114		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	206		
16	Total reliability, safety and environment			319
17	Expenditure on network assets			1,050
18	Expenditure on non-network assets			6
19				
20	Expenditure on assets			1,056
21	plus Cost of financing			-
22	less Value of capital contributions			-
23	plus Value of vested assets			-
24				
25	Capital expenditure			1,056
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>			
32	Load Group 2	5		
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			5
39				
40	less Capital contributions funding consumer connection expenditure			
41	Consumer connection less capital contributions			5
42	6a(iv): System Growth and Asset Replacement and Renewal			
43				Asset Replacement and
44				Renewal
45		System Growth	(\$000)	(\$000)
46	Subtransmission	-		-
47	Zone substations	-		4
48	Distribution and LV lines	-		66
49	Distribution and LV cables	-		178
50	Distribution substations and transformers	36		78
51	Distribution switchgear	-		259
52	Other network assets	-		104
53	System growth and asset replacement and renewal expenditure	36		689
54	less Capital contributions funding system growth and asset replacement and renewal			
55	System growth and asset replacement and renewal less capital contributions	36		689
56	6a(v): Asset Relocations			
57	<i>Project or programme*</i>			
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			
65	Asset relocations expenditure			-
66	less Capital contributions funding asset relocations			
67	Asset relocations less capital contributions			-

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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	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		114	
78	Quality of supply expenditure			114
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			114
81	6a(vii): Legislative and Regulatory			
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	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	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		206	
102	Other reliability, safety and environment expenditure			206
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			206
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
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		6	
116	Routine expenditure			6
117	Atypical expenditure			
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			
126	Atypical expenditure			-
127				
128	Expenditure on non-network assets			6

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

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	108	
9	Vegetation management	41	
10	Routine and corrective maintenance and inspection	453	
11	Asset replacement and renewal	81	
12	Network opex		683
13	System operations and network support	409	
14	Business support	915	
15	Non-network opex		1,324
16			
17	Operational expenditure		2,007
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		N/A
20	Direct billing*		N/A
21	Research and development		N/A
22	Insurance		172
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

		Target (\$000) ¹	Actual (\$000)	% variance
7	7(i): Revenue			
8	Line charge revenue	9,098	8,976	(1%)
9	7(ii): Expenditure on Assets			
10	Consumer connection	85	5	(94%)
11	System growth	195	36	(81%)
12	Asset replacement and renewal	950	689	(27%)
13	Asset relocations	65	–	(100%)
14	Reliability, safety and environment:			
15	Quality of supply	50	114	127%
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	145	206	42%
18	Total reliability, safety and environment	195	319	64%
19	Expenditure on network assets	1,490	1,050	(30%)
20	Expenditure on non-network assets	27	6	(77%)
21	Expenditure on assets	1,517	1,056	(30%)
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	133	108	(19%)
24	Vegetation management	37	41	11%
25	Routine and corrective maintenance and inspection	476	453	(5%)
26	Asset replacement and renewal	122	81	(34%)
27	Network opex	768	683	(11%)
28	System operations and network support	450	409	(9%)
29	Business support	1,037	915	(12%)
30	Non-network opex	1,487	1,324	(11%)
31	Operational expenditure	2,255	2,007	(11%)
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	–	–	–
34	Overhead to underground conversion	–	–	–
35	Research and development	–	–	–
36				
37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses	–	N/A	–
39	Direct billing	–	N/A	–
40	Research and development	–	N/A	–
41	Insurance	–	172	–

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

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

Company Name	Nelson Electricity Ltd
For Year Ended	31 March 2021
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.	716	716	-	2
9	All	Overhead Line	Wood poles	No.	179	108	(71)	2
10	All	Overhead Line	Other pole types	No.	8	8	-	4
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	-	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	-	2
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	-	2
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	7	7	-	2
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km			-	N/A
36	HV	Distribution Line	SWER conductor	km			-	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	24	24	-	2
38	HV	Distribution Cable	Distribution UG PILC	km	53	53	-	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	42	1	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	20	15	(5)	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	6	6	-	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	253	252	(1)	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	10	10	-	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	191	189	(2)	3
47	HV	Distribution Transformer	Voltage regulators	No.			-	N/A
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	192	191	(1)	3
49	LV	LV Line	LV OH Conductor	km	21	21	-	2
50	LV	LV Cable	LV UG Cable	km	174	175	1	2
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	68	68	-	2
52	LV	Connections	OH/UG consumer service connections	No.	9,269	9,273	4	4
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	79	81	2	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	Civils	Cable Tunnels	km			-	N/A

Company Name **Nelson Electricity Ltd**

For Year Ended **31 March 2021**

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	-	18
14	SWER (all SWER voltages)	-	-
15	22kV (other than SWER)	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	7	78
17	Low voltage (< 1kV)	21	175
18	Total circuit length (for supply)	28	270
19			
20	Dedicated street lighting circuit length (km)	1	67
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	26	93%
25	Rural	-	-
26	Remote only	2	7%
27	Rugged only	-	-
28	Remote and rugged	-	-
29	Unallocated overhead lines	-	-
30	Total overhead length	28	100%
31			
32		(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	298	100%
34		(% of total overhead length)	
35	Overhead circuit requiring vegetation management	28	100%

Company Name **Nelson Electricity Ltd**
 For Year Ended **31 March 2021**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

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

Company Name **Nelson Electricity Ltd**

For Year Ended **31 March 2021**

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*

Load Group 0 (Unmetered and Builders Temporary)
Load Group 1 (Low User)
Load Group 2 (Mass Market - Residential)
Load Group 2 (Mass Market - Business)
Load Group 3 (Time of Use)

* include additional rows if needed

Number of connections (ICPs)

15
5
13
14
1

Connections total

48

Distributed generation

Number of connections made in year

35

connections

Capacity of distributed generation installed in year

0.14

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

Demand at time of maximum coincident demand (MW)

Electricity volumes carried

Electricity supplied from GXPs

141

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

141

less Total energy delivered to ICPs

136

Electricity losses (loss ratio)

6	3.9%
---	------

Load factor

0.49

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

100

Distribution transformer capacity (Non-EDB owned, estimated)

--

Total distribution transformer capacity

100

Zone substation transformer capacity

48

(MVA)

Company Name	Nelson Electricity Ltd
For Year Ended	31 March 2021
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)	10
12 Class C (unplanned interruptions on the network)	-
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	10

21 **Interruption restoration**

	≤3Hrs	>3hrs
22 Class C interruptions restored within	-	-

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	-	-
26 Class B (planned interruptions on the network)	0.03	11.1
27 Class C (unplanned interruptions on the network)	-	-
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	0.03	11.1

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	0.02	6.3

Company Name	Nelson Electricity Ltd
For Year Ended	31 March 2021
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	-	-
Adverse environment	-	-
Third party interference	-	-
Wildlife	-	-
Human error	-	-
Defective equipment	-	-
Cause unknown	-	-

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	0.00	0.0
Subtransmission other	-	-
Distribution lines (excluding LV)	0.03	9.0
Distribution cables (excluding LV)	0.01	2.1
Distribution other (excluding LV)	0.00	0.1

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)	-	-
Distribution cables (excluding LV)	-	-
Distribution other (excluding LV)	-	-

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	-	-	-
Subtransmission cables	-	18	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	-	7	-
Distribution cables (excluding LV)	-	78	-
Distribution other (excluding LV)	-	-	-
Total	-	-	-