EDB Information Disclosure Requirements

Information Templates

for

Schedules 1–10

Company Name	Nelson Electricity Limited
Disclosure Date	24 August 2020
Disclosure Year (year ended)	31 March 2020

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

Table of Contents

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 Limited**
For Year Ended	**31 March 2020**

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

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)
Operational expenditure	14,888	225	62,402	6,977	20,874
Network	4,901	74	20,541	2,297	6,871
Non-network	9,988	151	41,862	4,680	14,003
Expenditure on assets	12,807	193	53,680	6,002	17,956
Network	12,546	189	52,586	5,879	17,590
Non-network	261	4	1,093	122	366

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs ($/GWh)	Revenue per average no. of ICPs ($/ICP)
Total consumer line charge revenue	68,776	1,038
Standard consumer line charge revenue	67,716	949
Non-standard consumer line charge revenue	82,554	411,607

1(iii): Service intensity measures

Demand density	112	*Maximum coincident system demand per km of circuit length (for supply) (kW/km)*
Volume density	469	*Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)*
Connection point density	31	*Average number of ICPs per km of circuit length (for supply) (ICPs/km)*
Energy intensity	15,093	*Total energy delivered to ICPs per average number of ICPs (kWh/ICP)*

1(iv): Composition of regulatory income

	($000)	% of revenue
Operational expenditure	2,078	21.62%
Pass-through and recoverable costs excluding financial incentives and wash-ups	2,636	27.43%
Total depreciation	1,530	15.92%
Total revaluations	1,063	11.06%
Regulatory tax allowance	1,023	10.65%
Regulatory profit/(loss) including financial incentives and wash-ups	3,407	35.45%
Total regulatory income	9,612	

1(v): Reliability

Interruption rate	4.70	*Interruptions per 100 circuit km*

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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		CY-2	CY-1	Current Year CY
7	**2(i): Return on Investment**			
8		31 Mar 18	31 Mar 19	31 Mar 20
9	**ROI – comparable to a post tax WACC**	%	%	%
10	Reflecting all revenue earned	6.51%	6.43%	8.06%
11	Excluding revenue earned from financial incentives	6.51%	6.31%	7.94%
12	Excluding revenue earned from financial incentives and wash-ups	6.51%	6.26%	7.89%
13				
14	**Mid-point estimate of post tax WACC**	5.04%	4.75%	4.27%
15	25th percentile estimate	4.36%	4.07%	3.59%
16	75th percentile estimate	5.72%	5.43%	4.95%
17				
18				
19	**ROI – comparable to a vanilla WACC**			
20	Reflecting all revenue earned	7.10%	6.94%	8.49%
21	Excluding revenue earned from financial incentives	7.10%	6.82%	8.36%
22	Excluding revenue earned from financial incentives and wash-ups	7.10%	6.77%	8.31%
23				
24	**WACC rate used to set regulatory price path**	7.19%	7.19%	7.19%
25				
26	**Mid-point estimate of vanilla WACC**	5.60%	5.26%	4.69%
27	25th percentile estimate	4.92%	4.58%	4.01%
28	75th percentile estimate	6.29%	5.94%	5.37%
29				

30	**2(ii): Information Supporting the ROI**		**($000)**	
31				
32	Total opening RAB value	41,934		
33	*plus* Opening deferred tax	(1,621)		
34	**Opening RIV**		40,313	
35				
36	**Line charge revenue**		9,599	
37				
38	Expenses cash outflow	4,714		
39	*add* Assets commissioned	1,883		
40	*less* Asset disposals	–		
41	*add* Tax payments	829		
42	*less* Other regulated income	13		
43	**Mid-year net cash outflows**		7,414	
44				
45	**Term credit spread differential allowance**		–	
46				
47	Total closing RAB value	43,349		
48	*less* Adjustment resulting from asset allocation	–		
49	*less* Lost and found assets adjustment	–		
50	*plus* Closing deferred tax	(1,815)		
51	**Closing RIV**		41,534	
52				
53	**ROI – comparable to a vanilla WACC**			8.49%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			3.61%
57	Corporate tax rate (%)			28%
58				
59	**ROI – comparable to a post tax WACC**			8.06%
60				

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

2(iii): Information Supporting the Monthly ROI

Opening RIV — N/A

	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April						–
May						–
June						–
July						–
August						–
September						–
October						–
November						–
December						–
January						–
February						–
March						–
Total	–	–	–	–	–	–

Tax payments — N/A

Term credit spread differential allowance — N/A

Closing RIV — N/A

Monthly ROI – comparable to a vanilla WACC — N/A

Monthly ROI – comparable to a post tax WACC — N/A

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

Year-end ROI – comparable to a vanilla WACC — 8.02%

Year-end ROI – comparable to a post tax WACC — 7.60%

** 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.*

2(v): Financial Incentives and Wash-Ups

Net recoverable costs allowed under incremental rolling incentive scheme	–	
Purchased assets – avoided transmission charge	–	
Energy efficiency and demand incentive allowance		
Quality incentive adjustment	68	
Other financial incentives	–	
Financial incentives		68

Impact of financial incentives on ROI — 0.13%

Input methodology claw-back	–	
CPP application recoverable costs	–	
Catastrophic event allowance	–	
Capex wash-up adjustment	29	
Transmission asset wash-up adjustment	–	
2013–15 NPV wash-up allowance	–	
Reconsideration event allowance	–	
Other wash-ups	–	
Wash-up costs		29

Impact of wash-up costs on ROI — 0.05%

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref			($000)
7	**3(i): Regulatory Profit**		
8		**Income**	
9		Line charge revenue	9,599
10	*plus*	Gains / (losses) on asset disposals	(1)
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)	14
12			
13		**Total regulatory income**	9,612
14		**Expenses**	
15	*less*	Operational expenditure	2,078
16			
17	*less*	Pass-through and recoverable costs excluding financial incentives and wash-ups	2,636
18			
19		**Operating surplus / (deficit)**	4,898
20			
21	*less*	Total depreciation	1,530
22			
23	*plus*	Total revaluations	1,063
24			
25		**Regulatory profit / (loss) before tax**	4,430
26			
27	*less*	Term credit spread differential allowance	–
28			
29	*less*	Regulatory tax allowance	1,023
30			
31		**Regulatory profit/(loss) including financial incentives and wash-ups**	3,407
32			

			($000)	
33	**3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups**			
34		**Pass through costs**		
35		Rates	34	
36		Commerce Act levies	24	
37		Industry levies	44	
38		CPP specified pass through costs	–	
39		**Recoverable costs excluding financial incentives and wash-ups**		
40		Electricity lines service charge payable to Transpower	2,534	
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**		2,636
47				

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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

3(iii): Incremental Rolling Incentive Scheme

($000)

		CY-1 31 Mar 19	CY 31 Mar 20
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		–

			Previous years' incremental change	Previous years' incremental change adjusted for inflation
56				
57	CY-5	31 Mar 15		
58	CY-4	31 Mar 16		
59	CY-3	31 Mar 17		
60	CY-2	31 Mar 18		
61	CY-1	31 Mar 19		
62	**Net incremental rolling incentive scheme**			–
63				
64	**Net recoverable costs allowed under incremental rolling incentive scheme**			–

3(iv): Merger and Acquisition Expenditure

		($000)
66	Merger and acquisition expenditure	–
67		
68	*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)*	

3(v): Other Disclosures

		($000)
71	Self-insurance allowance	–

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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 16 ($000)	RAB 31 Mar 17 ($000)	RAB 31 Mar 18 ($000)	RAB 31 Mar 19 ($000)	RAB 31 Mar 20 ($000)
10		**Total opening RAB value**	41,669	41,100	41,246	41,111	41,934
12	*less*	**Total depreciation**	1,394	1,391	1,426	1,447	1,530
14	*plus*	**Total revaluations**	244	890	454	610	1,063
16	*plus*	**Assets commissioned**	581	647	934	1,659	1,883
18	*less*	**Asset disposals**	–	–	97	–	–
20	*plus*	**Lost and found assets adjustment**	–	–	–	–	–
22	*plus*	**Adjustment resulting from asset allocation**	–	–	0	–	–
24		**Total closing RAB value**	41,100	41,246	41,111	41,934	43,349

4(ii): Unallocated Regulatory Asset Base

			Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
29		**Total opening RAB value**		41,934		41,934
30	*less*					
31		**Total depreciation**		1,530		1,530
32	*plus*					
33		**Total revaluations**		1,063		1,063
34	*plus*					
35		Assets commissioned (other than below)	1,883		1,883	
36		Assets acquired from a regulated supplier	–		–	
37		Assets acquired from a related party	–		–	
38		**Assets commissioned**		1,883		1,883
39	*less*					
40		Asset disposals (other than below)	–		–	
41		Asset disposals to a regulated supplier	–		–	
42		Asset disposals to a related party	–		–	
43		**Asset disposals**		–		–
45	*plus*	**Lost and found assets adjustment**		–		–
47	*plus*	**Adjustment resulting from asset allocation**				–
49		**Total closing RAB value**		43,349		43,349

** 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 2020**

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

54	CPI_4	1,052
55	CPI_4^{-4}	1,026
56	Revaluation rate (%)	2.53%

		Unallocated RAB *		RAB	
		($000)	($000)	($000)	($000)
60	Total opening RAB value	41,934		41,934	
61	*less* Opening value of fully depreciated, disposed and lost assets	–		–	
63	Total opening RAB value subject to revaluation	41,934		41,934	
64	**Total revaluations**		1,063		1,063

4(iv): Roll Forward of Works Under Construction

		Unallocated works under construction		Allocated works under construction	
68	**Works under construction—preceding disclosure year**		201		201
69	*plus* Capital expenditure	1,682		1,682	
70	*less* Assets commissioned	1,883		1,883	
71	*plus* Adjustment resulting from asset allocation			–	
72	**Works under construction - current disclosure year**		0		(0)
74	Highest rate of capitalised finance applied				–

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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(v): Regulatory Depreciation

		Unallocated RAB * ($000)	($000)	RAB ($000)	($000)
	Depreciation - standard	1,530		1,530	
	Depreciation - no standard life assets				
	Depreciation - modified life assets				
	Depreciation - alternative depreciation in accordance with CPP				
	Total depreciation		1,530		1,530

4(vi): Disclosure of Changes to Depreciation Profiles

($000 unless otherwise specified)

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

** include additional rows if needed*

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
	Total opening RAB value	–	5,310	9,782	634	15,216	4,554	2,487	3,619	333	41,934
less	Total depreciation		167	258	30	653	161	126	102	33	1,530
plus	Total revaluations	–	135	248	16	386	115	63	92	8	1,063
plus	Assets commissioned	–	–	54	73	350	771	525	60	51	1,883
less	Asset disposals	–	–	–	–	–	–	–	–	–	–
plus	Lost and found assets adjustment	–	–	–	–	–	–	–	–	–	–
plus	Adjustment resulting from asset allocation	–	–	–	–	–	–	–	–	–	–
plus	Asset category transfers	–	–	–	–	–	–	–	–	–	–
	Total closing RAB value	–	5,277	9,825	693	15,298	5,279	2,949	3,667	359	43,349
	Asset Life										
	Weighted average remaining asset life	–	32.9	26.9	25.8	21.1	28.0	15.1	20.4	1.9	(years)
	Weighted average expected total asset life	–	50.4	44.5	57.9	54.3	54.7	39.9	44.6	8.1	(years)

Company Name	**Nelson Electricity Limited**
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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 2.8.

sch ref					
7	**5a(i): Regulatory Tax Allowance**				**($000)**
8		**Regulatory profit / (loss) before tax**			4,430
9					
10	*plus*	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	194		
14					887
15					
16	*less*	Total revaluations	1,063		
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	600		
21					1,663
22					
23		**Regulatory taxable income**			3,654
24					
25	*less*	Utilised tax losses	–		
26		Regulatory net taxable income			3,654
27					
28		Corporate tax rate (%)	28%		
29		**Regulatory tax allowance**			1,023
30					
31	* Workings to be provided in Schedule 14				
32	**5a(ii): Disclosure of Permanent Differences**				
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).			
34	**5a(iii): Amortisation of Initial Difference in Asset Values**				**($000)**
35					
36		Opening unamortised initial differences in asset values	13,168		
37	*less*	Amortisation of initial differences in asset values	693		
38	*plus*	Adjustment for unamortised initial differences in assets acquired	–		
39	*less*	Adjustment for unamortised initial differences in assets disposed	–		
40		Closing unamortised initial differences in asset values			12,475
41					
42		Opening weighted average remaining useful life of relevant assets (years)			19
43					

Company Name	**Nelson Electricity Limited**
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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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sch ref				
44	**5a(iv): Amortisation of Revaluations**			**($000)**
45				
46		Opening sum of RAB values without revaluations	38,235	
47				
48		Adjusted depreciation	1,336	
49		Total depreciation	1,530	
50		Amortisation of revaluations		194
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**	(1,621)	
61				
62	*plus*	Tax effect of adjusted depreciation	374	
63				
64	*less*	Tax effect of tax depreciation	377	
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	–	
75				
76		**Closing deferred tax**		(1,815)
77				
78	**5a(vii): Disclosure of Temporary Differences**			
79		*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).*		
80				
81	**5a(viii): Regulatory Tax Asset Base Roll-Forward**			
82				**($000)**
83		**Opening sum of regulatory tax asset values**	18,523	
84	*less*	Tax depreciation	1,346	
85	*plus*	Regulatory tax asset value of assets commissioned	1,883	
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**		19,060

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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

5b(i): Summary—Related Party Transactions

		($000)	($000)
8	**Total regulatory income**		8
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	147	
18	System operations and network support	49	
19	**Operational expenditure**		196
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**		196
34			
35	**Other related party transactions**		

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

37	Name of related party	Nature of opex or capex service provided	Total value of transactions ($000)
38	Marlborough Lines Ltd (50% shareholder)	Business support	118
39	Network Tasman Ltd (50% shareholder)	System operations and network support	49
40	Network Tasman Ltd (50% shareholder)	Business support	29
41	We have not repeated the Key Management	[Select one]	
42	Personal disclosures from the 31 March	[Select one]	
43	financial statements in these disclosures.	[Select one]	
44		[Select one]	
45		[Select one]	
46		[Select one]	
47		[Select one]	
48		[Select one]	
49		[Select one]	
50		[Select one]	
51		[Select one]	
52		[Select one]	
53	**Total value of related party transactions**		196

54 ** include additional rows if needed*

55

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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	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 Limited**
For Year Ended	**31 March 2020**

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

5d(i): Operating Cost Allocations

		Value allocated ($000s)			
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000s)
Service interruptions and emergencies					
Directly attributable		158			
Not directly attributable				–	
Total attributable to regulated service		158			
Vegetation management					
Directly attributable		38			
Not directly attributable				–	
Total attributable to regulated service		38			
Routine and corrective maintenance and inspection					
Directly attributable		408			
Not directly attributable				–	
Total attributable to regulated service		408			
Asset replacement and renewal					
Directly attributable		80			
Not directly attributable				–	
Total attributable to regulated service		80			
System operations and network support					
Directly attributable		411			
Not directly attributable				–	
Total attributable to regulated service		411			
Business support					
Directly attributable		983			
Not directly attributable				–	
Total attributable to regulated service		983			
Operating costs directly attributable		2,078			
Operating costs not directly attributable	–	–	–	–	–
Operational expenditure		2,078			

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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

5d(ii): Other Cost Allocations

		($000)
	Pass through and recoverable costs	
	Pass through costs	
	Directly attributable	96
	Not directly attributable	
	Total attributable to regulated service	96
	Recoverable costs	
	Directly attributable	2,534
	Not directly attributable	
	Total attributable to regulated service	2,534

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

Change in cost allocation 1

			($000)	
			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				

Change in cost allocation 2

			($000)	
			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				

Change in cost allocation 3

			($000)	
			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 2020**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

5e(i): Regulated Service Asset Values

	Value allocated ($000s) Electricity distribution services
Subtransmission lines	
Directly attributable	–
Not directly attributable	
Total attributable to regulated service	–
Subtransmission cables	
Directly attributable	5,277
Not directly attributable	
Total attributable to regulated service	5,277
Zone substations	
Directly attributable	9,825
Not directly attributable	
Total attributable to regulated service	9,825
Distribution and LV lines	
Directly attributable	693
Not directly attributable	
Total attributable to regulated service	693
Distribution and LV cables	
Directly attributable	15,298
Not directly attributable	
Total attributable to regulated service	15,298
Distribution substations and transformers	
Directly attributable	5,279
Not directly attributable	
Total attributable to regulated service	5,279
Distribution switchgear	
Directly attributable	2,949
Not directly attributable	
Total attributable to regulated service	2,949
Other network assets	
Directly attributable	3,667
Not directly attributable	
Total attributable to regulated service	3,667
Non-network assets	
Directly attributable	359
Not directly attributable	
Total attributable to regulated service	359
Regulated service asset value directly attributable	43,349
Regulated service asset value not directly attributable	–
Total closing RAB value	43,349

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

Change in asset value allocation 1

			($000) CY-1	Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

Change in asset value allocation 2

			($000) CY-1	Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

Change in asset value allocation 3

			($000) CY-1	Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

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

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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

6a(i): Expenditure on Assets

			($000)	($000)
8		Consumer connection		109
9		System growth		122
10		Asset replacement and renewal		996
11		Asset relocations		307
12		Reliability, safety and environment:		
13		Quality of supply	23	
14		Legislative and regulatory	–	
15		Other reliability, safety and environment	194	
16		**Total reliability, safety and environment**		217
17		**Expenditure on network assets**		1,751
18		Expenditure on non-network assets		36
19				
20		**Expenditure on assets**		1,788
21	*plus*	Cost of financing		–
22	*less*	Value of capital contributions		106
23	*plus*	Value of vested assets		–
24				
25		**Capital expenditure**		1,682

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	

6a(iii): Consumer Connection

	*Consumer types defined by EDB**	($000)	($000)
32	Load Group 2	102	
33	Load Group 3	7	
34	[EDB consumer type]		
35	[EDB consumer type]		
36	[EDB consumer type]		
37	* include additional rows if needed		
38	**Consumer connection expenditure**		109
39			
40	*less* Capital contributions funding consumer connection expenditure	32	
41	**Consumer connection less capital contributions**		77

6a(iv): System Growth and Asset Replacement and Renewal

		System Growth ($000)	Asset Replacement and Renewal ($000)
45	Subtransmission	–	–
46	Zone substations	–	11
47	Distribution and LV lines	–	73
48	Distribution and LV cables	–	165
49	Distribution substations and transformers	122	166
50	Distribution switchgear	–	525
51	Other network assets	–	57
52	**System growth and asset replacement and renewal expenditure**	122	996
53	*less* Capital contributions funding system growth and asset replacement and renewal	–	26
54	**System growth and asset replacement and renewal less capital contributions**	122	970
55			

6a(v): Asset Relocations

		*Project or programme**	($000)	($000)
58		Normanby Sub relocation	307	
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		* include additional rows if needed		
64		All other projects or programmes - asset relocations		
65		**Asset relocations expenditure**		307
66	*less*	Capital contributions funding asset relocations	48	
67		**Asset relocations less capital contributions**		258

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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

6a(vi): Quality of Supply

		*Project or programme**	($000)	($000)
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		** include additional rows if needed*		
		All other projects programmes - quality of supply	23	
		Quality of supply expenditure		23
	less	Capital contributions funding quality of supply		
		Quality of supply less capital contributions		23

6a(vii): Legislative and Regulatory

		*Project or programme**	($000)	($000)
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		** include additional rows if needed*		
		All other projects or programmes - legislative and regulatory		
		Legislative and regulatory expenditure		–
	less	Capital contributions funding legislative and regulatory		
		Legislative and regulatory less capital contributions		–

6a(viii): Other Reliability, Safety and Environment

		*Project or programme**	($000)	($000)
		Matipo Tce Sub o/h to u/g	85	
		Hanby Park Sub o/h to u/g	63	
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		** include additional rows if needed*		
		All other projects or programmes - other reliability, safety and environment	46	
		Other reliability, safety and environment expenditure		194
	less	Capital contributions funding other reliability, safety and environment		
		Other reliability, safety and environment less capital contributions		194

6a(ix): Non-Network Assets

Routine expenditure

		*Project or programme**	($000)	($000)
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		** include additional rows if needed*		
		All other projects or programmes - routine expenditure	36	
		Routine expenditure		36

Atypical expenditure

		*Project or programme**	($000)	($000)
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		** include additional rows if needed*		
		All other projects or programmes - atypical expenditure		
		Atypical expenditure		–
		Expenditure on non-network assets		36

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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	158	
9	Vegetation management	38	
10	Routine and corrective maintenance and inspection	408	
11	Asset replacement and renewal	80	
12	**Network opex**		684
13	System operations and network support	411	
14	Business support	983	
15	**Non-network opex**		1,394
16			
17	**Operational expenditure**		2,078
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		171
23	** Direct billing expenditure by suppliers that directly bill the majority of their consumers*		

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

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	9,668	9,599	(1%)
		Forecast ($000) [2]	**Actual ($000)**	**% variance**
9	**7(ii): Expenditure on Assets**			
10	Consumer connection	145	109	(25%)
11	System growth	115	122	6%
12	Asset replacement and renewal	665	996	50%
13	Asset relocations	175	307	75%
14	Reliability, safety and environment:			
15	Quality of supply	100	23	(77%)
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	330	194	(41%)
18	**Total reliability, safety and environment**	430	217	(49%)
19	**Expenditure on network assets**	1,530	1,751	14%
20	Expenditure on non-network assets	22	36	65%
21	Expenditure on assets	1,552	1,788	15%
22	**7(iii): Operational Expenditure**			
23	Service interruptions and emergencies	127	158	24%
24	Vegetation management	33	38	15%
25	Routine and corrective maintenance and inspection	347	408	18%
26	Asset replacement and renewal	82	80	(2%)
27	**Network opex**	589	684	16%
28	System operations and network support	255	411	61%
29	Business support	1,280	983	(23%)
30	**Non-network opex**	1,535	1,394	(9%)
31	**Operational expenditure**	2,124	2,078	(2%)
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		171	–
42				

43 *1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination*

44 *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 Limited**
For Year Ended	**31 March 2020**
Network / Sub-Network Name	

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
Load Group 0	Unmetered	Standard	50	553
Load Group 1	Residential Low User	Standard	4,127	22,028
Load Group 2	Residential and Small Business	Standard	4,978	59,985
Load Group 3	Time of Use	Standard	91	13,444
Load Group 4	Large TOU	Standard	1	13,592
Load Group 3	Time of Use	Non-standard	2	9,972
		[Select one]		
		[Select one]		
		[Select one]		
		[Select one]		
Add extra rows for additional consumer groups or price category codes as necessary				
		Standard consumer totals	9,246	129,602
		Non-standard consumer totals	2	9,972
		Total for all consumers	9,248	139,574

Billed quantities 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	TOU - Capacity	TOU - Winter Demand	TOU - Installation	TOU - Variable	TOU - Power Factor	TOU Group 4	TOU Group 4 - Power Factor	TOU - Transmission
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Days	Days	Days	kVA	kWh	kWh	kVA	kWh	kWh	kVA	kVA	Days	kWh	kVArh	Month	kVArh	Month
	335	4,911	4,686														
				22,705,950	22,027,883	119,529											
							39,723,070	59,985,227	229,275								
										10,479,216	3,807,181	32,645	33,444,310	3,730			
															12	–	12
										1,340,900	710,772	732	9,971,844	777			
	335	4,911	4,686	22,705,950	22,027,883	119,529	39,723,070	59,985,227	229,275	10,479,216	3,807,181	32,645	33,444,310	3,730	12	–	12
	–	–	–	–	–	–	–	–	–	1,340,900	710,772	732	9,971,844	777	–	–	–
	335	4,911	4,686	22,705,950	22,027,883	119,529	39,723,070	59,985,227	229,275	11,820,116	4,517,953	33,377	43,416,153	4,507	12	–	12

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

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**
Network / Sub-Network Name	

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	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	TOU - Capacity	TOU - Winter Demand	TOU - Installation	TOU - Variable	TOU - Power Factor	TOU Group 4	TOU Group 4 - Power Factor	TOU - Transmission	*Add extra columns for additional line charge revenues by price component as necessary*
							Rate (eg, $ per day, $ per kWh, etc.)	Days	Days	Days	kVA	kWh	kWh	kVA	kWh	kWh	kVA	kVA	Days	kWh	kVArh	Month	kVArh	Month	
Load Group 0	Unmetered	Standard	$97		$82	$15		$91	$4	$1															
Load Group 1	Residential Low User	Standard	$1,912		$1,523	$389					$227	$1,684	$1												
Load Group 2	Residential and Small Business	Standard	$4,990		$3,843	$1,148								$2,661	$2,328	$1									
Load Group 3	Time of Use	Standard	$1,778		$1,230	$548											$553	$758	$41	$401	$24				
Load Group 4	Large TOU	Non-standard	$426		$194	$232																$426	–		
Load Group 3	Time of Use	Non-standard	$397		$235	$162											$71	$95	$1	$30	$5			$195	
		[Select one]	–																						
		[Select one]	–																						
		[Select one]	–																						
		[Select one]	–																						
Add extra rows for additional consumer groups or price category codes as necessary																									
		Standard consumer totals	$8,776	–	$6,677	$2,099		$91	$4	$1	$227	$1,684	$1	$2,661	$2,328	$1	$553	$758	$41	$401	$24	–	–	–	
		Non-standard consumer totals	$823	–	$429	$394		–	–	–	–	–	–	–	–	–	$71	$95	$1	$30	$5	$426	–	$195	
		Total for all consumers	$9,599	–	$7,106	$2,493		$91	$4	$1	$227	$1,684	$1	$2,661	$2,328	$1	$624	$853	$42	$431	$29	$426	–	$195	

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end	2	**Check** OK

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**
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

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	716	716	–	2
10	All	Overhead Line	Wood poles	No.	180	179	(1)	2
11	All	Overhead Line	Other pole types	No.			–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km			–	N/A
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km			–	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	12	12	0	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	6	6	0	2
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km			–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km			–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km			–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km			–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	1	1	–	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.			–	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.			–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.			–	N/A
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.			–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.			–	N/A
29	HV	Zone substation switchgear	33kV RMU	No.			–	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	10	10	–	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.			–	N/A
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	26	26	–	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.			–	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	3	3	–	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	7	7	(0)	2
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km			–	N/A
37	HV	Distribution Line	SWER conductor	km	–		–	2
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	26	24	(1)	2
39	HV	Distribution Cable	Distribution UG PILC	km	52	53	2	2
40	HV	Distribution Cable	Distribution Submarine Cable	km			–	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	1	1	–	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	42	41	(1)	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	30	20	(10)	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	47	47	–	2
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	260	253	(7)	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	12	10	(2)	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	191	191	–	3
48	HV	Distribution Transformer	Voltage regulators	No.			–	N/A
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	188	192	4	3
50	LV	LV Line	LV OH Conductor	km	21	21	(0)	2
51	LV	LV Cable	LV UG Cable	km	174	174	(0)	2
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	69	68	(0)	2
53	LV	Connections	OH/UG consumer service connections	No.	9,231	9,269	38	3
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	78	79	1	4
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	–	4
56	All	Capacitor Banks	Capacitors including controls	No			–	N/A
57	All	Load Control	Centralised plant	Lot	1	1	–	4
58	All	Load Control	Relays	No			–	N/A
59	All	Civils	Cable Tunnels	km			–	N/A

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**
Network / Sub-network Name	

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref																																								
8		**Disclosure Year (year ended)**	31 March 2020		**Number of assets at disclosure year end by installation date**																																				
9	**Voltage**	**Asset category**	**Asset class**	**Units**	**pre-1940**	**1940 –1949**	**1950 –1959**	**1960 –1969**	**1970 –1979**	**1980 –1989**	**1990 –1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**No. with age unknown**	**Items at end of year (quantity)**	**No. with default dates**	**Data accuracy (1–4)**
10	All	Overhead Line	Concrete poles / steel structure	No.	21	1	43	242	90	133	36	7	6	27	2	8	8	7	9	9	26	8		3	1	3	14	2	4	5								1	716		2
11	All	Overhead Line	Wood poles	No.	1		7	26	19	9	4	3	1	8		3	7	1	4	1	3	1	2	14	1		4				2	2						56	179		2
12	All	Overhead Line	Other pole types	No.																																			–		N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km																																			–		4
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km																																			–		N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km						4	0														8		0												12		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km																																			–		N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km																																			–		N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km					3	2																													6		2
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km																																			–		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km																																			–		N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																																			–		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																																			–		N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km																																			–		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.																					1														1		4
25	HV	Zone substation Buildings	Zone substations 110kV+	No.																																			–		N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																																			–		N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.																																			–		N/A
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																																			–		N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.																																			–		N/A
30	HV	Zone substation switchgear	33kV RMU	No.																																			–		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.																					10														10		4
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.																																			–		N/A
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.																					26														26		4
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.																																			–		N/A
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.																						3													3		4
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km			1	3	2			0																		1									7		2
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km																																			–		N/A
38	HV	Distribution Line	SWER conductor	km																																			–		N/A
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km				0	2	14	3	0					0			1		1	0	0		–	0.0	0	0	1	1	1						0	24		2
40	HV	Distribution Cable	Distribution UG PILC	km	1		0	6	15	6	2	3	0	0	1	0	2	3	0	0	1	3	2	3	1	1	1			0							0	53		2
41	HV	Distribution Cable	Distribution Submarine Cable	km																																			–		N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.															1																				1		4
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.						12											1	5								12	11							41		3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.					3	2		5		1		2	2									1			1	1	1							1	20		3
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.					6	6	3	2			3	1	2	6		5		4	3	1	1	3	1											47		2
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.				4	36	45	13	7	1	3	7	7	29	10	3	12	11	19	1	6	7		3	3	6	12	7	1							253		2
47	HV	Distribution Transformer	Pole Mounted Transformer	No.					2	2				1		1	1									1			1	1								10		3
48	HV	Distribution Transformer	Ground Mounted Transformer	No.				4	6	32	23	3	6	3	7	10	13	9	11	9	8	10	4	3	4	5		6	7	4	4							191		3
49	HV	Distribution Transformer	Voltage regulators	No.																																			–		N/A
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	4			20	40	61	15	6	2	3	2	4	3	4	3	2	3	1	1	2	1	1	1	3	2	1	5	2							192		2
51	LV	LV Line	LV OH Conductor	km	0		0	10	3	6	0	0								0				0	0	0			0	0							0	21		2
52	LV	LV Cable	LV UG Cable	km	0		0	22	41	42	12	1	1	2	1	3	4	2	3	3	2	1	3	2	1	1	0	0	1	1	2	0						22	174		2
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1		0	23	26	9	4	0	0	0		1	1	1	0	0	0	0	0	1		0	0		0	0	0	0						0	68		2
54	LV	Connections	OH/UG consumer service connections	No.	66	3	112	844	688	1,000	887	118	95	246	255	474	507	449	372	547	396	330	218	142	191	263	510	124	234	74	46	64						14	9,269		3
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.																			6	8	12	40	9				3	1						79		4
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot													1																					1		4
57	All	Capacitor Banks	Capacitors including controls	No																																			–		N/A
58	All	Load Control	Centralised plant	Lot																						1													1		4
59	All	Load Control	Relays	No																																			–		N/A
60	All	Civils	Cable Tunnels	km																																			–		N/A

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**
Network / Sub-network Name	

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref				
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV			–
12	50kV & 66kV			–
13	33kV		18	18
14	SWER (all SWER voltages)			–
15	22kV (other than SWER)			–
16	6.6kV to 11kV (inclusive—other than SWER)	7	78	85
17	Low voltage (< 1kV)	21	174	196
18	**Total circuit length (for supply)**	28	269	298
19				
20	Dedicated street lighting circuit length (km)	1	67	68
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			
22				
23	**Overhead circuit length by terrain (at year end)**	**Circuit length (km)**	**(% of total overhead 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		**Circuit length (km)**	**(% of total circuit length)**	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	298	100%	
34		**Circuit length (km)**	**(% of total overhead length)**	
35	Overhead circuit requiring vegetation management	28	100%	

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

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

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

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**
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**	Number of connections (ICPs)
Load Group 0 (Unmetered and Builders Temporary)	12
Load Group 1 (Low User)	18
Load Group 2 (Mass Market - Residential)	22
Load Group 2 (Mass Market - Business)	10
Load Group 3 (Time of Use)	1

** include additional rows if needed*

Connections total	63

Distributed generation

Number of connections made in year	20	connections
Capacity of distributed generation installed in year	0.09	MVA

9e(ii): System Demand

		Demand at time of maximum coincident demand (MW)	
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	

		Energy (GWh)	
Electricity volumes carried			
	Electricity supplied from GXPs	144	
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	3.6%
	Load factor	0.50	

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	100
Distribution transformer capacity (Non-EDB owned, estimated)	–
Total distribution transformer capacity	100
Zone substation transformer capacity	48

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**
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

10(i): Interruptions

Interruptions by class

		Number of interruptions
10	Class A (planned interruptions by Transpower)	0
11	Class B (planned interruptions on the network)	12
12	Class C (unplanned interruptions on the network)	2
13	Class D (unplanned interruptions by Transpower)	0
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**	14

Interruption restoration

		≤3Hrs	>3hrs
22	Class C interruptions restored within	1	1

SAIFI and SAIDI by class

		SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	0.00	0.00
26	Class B (planned interruptions on the network)	0.04	11.46
27	Class C (unplanned interruptions on the network)	0.01	0.56
28	Class D (unplanned interruptions by Transpower)	0.00	0.00
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**	0.04	12.0

Normalised SAIFI and SAIDI

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

Company Name	**Nelson Electricity Limited**
For Year Ended	**31 March 2020**
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

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

Cause	SAIFI	SAIDI
Lightning	0.0000	0.0000
Vegetation	0.0000	0.0000
Adverse weather	0.0004	0.1279
Adverse environment	0.0000	0.0000
Third party interference	0.0000	0.0000
Wildlife	0.0000	0.0000
Human error	0.0000	0.0000
Defective equipment	0.0052	0.4354
Cause unknown	0.0000	0.0000

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.0000	0.0000
Subtransmission cables	0.0000	0.0000
Subtransmission other	0.0000	0.0000
Distribution lines (excluding LV)	0.0046	1.3466
Distribution cables (excluding LV)	0.0145	4.2850
Distribution other (excluding LV)	0.0181	5.8301

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.0000	0.0000
Subtransmission cables	0.0000	0.0000
Subtransmission other	0.0000	0.0000
Distribution lines (excluding LV)	0.0004	0.1279
Distribution cables (excluding LV)	0.0052	0.4354
Distribution other (excluding LV)	0.0000	0.0000

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	–	0	–
Subtransmission cables	–	18	–
Subtransmission other	–		
Distribution lines (excluding LV)	1	7	14.29
Distribution cables (excluding LV)	1	78	1.29
Distribution other (excluding LV)	–		0
Total	2		