



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

Company Name	Nelson Electricity Limited
Disclosure Date	31 August 2014
Disclosure Year (year ended)	31 March 2014

Templates for Schedules 1–10
Template Version 3.0. Prepared 14 April 2014

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Company Name **Nelson Electricity Limited**
 For Year Ended **31 March 2014**

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.

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	15,700	243	66,476	8,380	23,515
11	6,141	95	26,001	3,278	9,197
12	9,559	148	40,475	5,102	14,317
13	Expenditure on assets				
14	88,368	1,370	374,171	47,169	132,355
15	87,850	1,362	371,977	46,893	131,579
16	518	8	2,194	277	776

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	69,017	1,070
21	69,017	1,070
22	-	-
23	1(iii): Service intensity measures	

23 1(iii): Service intensity measures

24			
25	Demand density	126	Maximum coincident system demand per km circuit length (for supply) (kW/km)
26	Volume density	534	Total energy delivered to ICPs per km circuit length (for supply) (MWh/km)
27	Connection point density	34	Average number of ICPs per km circuit length (for supply) (ICPs/km)
28	Energy intensity	15,502	Total energy delivered to ICPs per Average number of ICPs (kWh/ICP)
29			

31 1(iv): Composition of regulatory income

	(\$000)	% of revenue
32		
33	2,232	22.63%
34	3,201	32.45%
35	1,173	11.89%
36	465	4.72%
37	932	9.45%
38	2,790	28.29%
39	9,863	
40		

41 1(v): Reliability

	Interruptions per 100 circuit km
42	
43	7.88

Company Name **Nelson Electricity Limited**For Year Ended **31 March 2014****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
		31 Mar 12	31 Mar 13	31 Mar 14
		%	%	%
7	2(i): Return on Investment			
8				
9	Post tax WACC			
10	ROI—comparable to a post tax WACC	9.85%	8.61%	7.02%
11				
12	Mid-point estimate of post tax WACC	6.40%	5.85%	5.43%
13	25th percentile estimate	5.68%	5.13%	4.71%
14	75th percentile estimate	7.11%	6.56%	6.14%
15				
16				
17	Vanilla WACC			
18	ROI—comparable to a vanilla WACC	10.68%	9.38%	7.70%
19				
20	Mid-point estimate of vanilla WACC	7.22%	6.62%	6.11%
21	25th percentile estimate	6.51%	5.91%	5.39%
22	75th percentile estimate	7.94%	7.34%	6.83%
23				
24	2(ii): Information Supporting the ROI			
25				
26	Total opening RAB value	30,349		
27	plus Opening deferred tax	(428)		
28	Opening RIV		29,920	
29				
30	Operating surplus / (deficit)	4,430		
31	less Regulatory tax allowance	932		
32	less Assets commissioned	12,561		
33	plus Asset disposals	-		
34	Notional net cash flows		(9,063)	
35				
36	Total closing RAB value	42,203		
37	less Adjustment resulting from asset allocation	0		
38	less Lost and found assets adjustment	-		
39	plus Closing deferred tax	(572)		
40	Closing RIV		41,631	
41				
42	ROI—comparable to a vanilla WACC		7.70%	
43				
44	Leverage (%)		44%	
45	Cost of debt assumption (%)		5.56%	
46	Corporate tax rate (%)		28%	
47				
48	ROI—comparable to a post tax WACC		7.02%	

Company Name **Nelson Electricity Limited**For Year Ended **31 March 2014****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).

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2(iii): Information Supporting the Monthly ROI

Cash flows	(\$000)					Notional net cash flows
	Total regulatory income	Expenses	Tax payments	Assets commissioned	Asset disposals	
April	792	495		26		271
May	867	567	311	74		(84)
June	877	514		54		309
July	965	458		48		459
August	950	508	311	48		84
September	855	431		15		409
October	801	441		51		309
November	775	450		106		219
December	725	447		26		252
January	753	528	311	8		(93)
February	722	423		144		155
March	779	171		11,961		(11,353)
Total	9,863	5,433	932	12,561	-	(9,063)

	Opening / closing RAB	Adjustment resulting from asset allocation	Lost and found assets adjustment	Opening / closing deferred tax	Revenue related working capital	Total
Monthly ROI - opening RIV	30,349			(428)	714	30,634
Monthly ROI -closing RIV	42,203	0	-	(572)	779	42,410
Monthly ROI -closing RIV less term credit spread differential allowance						42,410
Monthly ROI—comparable to a vanilla WACC						9.22%
Monthly ROI—comparable to a post-tax WACC						8.53%

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

Year-end ROI—comparable to a vanilla WACC	7.71%
Year-end ROI—comparable to a post-tax WACC	7.02%

* 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.

Company Name **Nelson Electricity Limited**
 For Year Ended **31 March 2014**

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 3(i), 3(iv) and 3(v) and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

Non-exempt EDBs must also complete sections 3(ii) and 3(iii).

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sch ref

		(\$000)
7	3(i): Regulatory Profit	
8	Income	
9	Line charge revenue	9,812
10	plus Gains / (losses) on asset disposals	-
11	plus Other regulated income (other than gains / (losses) on asset disposals)	51
12		
13	Total regulatory income	9,863
14	Expenses	
15	less Operational expenditure	2,232
17	less Pass-through and recoverable costs	3,201
18		
19	Operating surplus / (deficit)	4,430
20		
21	less Total depreciation	1,173
22		
23	plus Total revaluation	465
24		
25	Regulatory profit / (loss) before tax & term credit spread differential allowance	3,723
26		
27	less Term credit spread differential allowance	-
28		
29	Regulatory profit / (loss) before tax	3,723
30		
31	less Regulatory tax allowance	932
32		
33	Regulatory profit / (loss)	2,790
34		
35	3(ii): Pass-Through and Recoverable Costs	(\$000)
36	Pass-through costs	
37	Rates	26
38	Commerce Act levies	15
	Electricity Authority levies	33
40	Other specified pass-through costs	3
41	Recoverable costs	
42	Net recoverable costs allowed under incremental rolling incentive scheme	
43	Non-exempt EDB electricity lines service charge payable to Transpower	3,124
44	Transpower new investment contract charges	
45	System operator services	
46	Avoided transmission charge	
47	Input Methodology claw-back	
48	Recoverable customised price-quality path costs	
49	Pass-through and recoverable costs	3,201

Company Name **Nelson Electricity Limited**
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sch ref

		(\$000)	
		CY-1	CY
		31 March 2013	31 March 2014
57	3(iii): Incremental Rolling Incentive Scheme		
58			
59			
60	Allowed controllable opex		
61	Actual controllable opex		
62			
63	Incremental change in year		
64			
65			
66	CY-5 31 Mar 09		
67	CY-4 31 Mar 10		
68	CY-3 31 Mar 11		
69	CY-2 31 Mar 12		
70	CY-1 31 Mar 13		
71	Net incremental rolling incentive scheme		
72			
73	Net recoverable costs allowed under incremental rolling incentive scheme		
74	3(iv): Merger and Acquisition Expenditure		
75	Merger and acquisition expenses		
76			
77	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)		
78	3(v): Other Disclosures		
79	Self-insurance allowance		

Company Name **Nelson Electricity Limited**
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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 10 (\$000)	RAB 31 Mar 11 (\$000)	RAB 31 Mar 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)
	Total opening RAB value	27,058	27,762	29,401	29,657	30,349
less	Total depreciation	1,077	1,124	1,128	1,161	1,173
plus	Total revaluations	543	670	462	255	465
plus	Assets commissioned	1,238	2,093	922	1,598	12,561
less	Asset disposals					-
plus	Lost and found assets adjustment					-
plus	Adjustment resulting from asset allocation					0
	Total closing RAB value	27,762	29,401	29,657	30,349	42,203

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		30,349		30,349
less	Total depreciation		1,173		1,173
plus	Total revaluations		465		465
plus	Assets commissioned (other than below)	12,561		12,561	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	Assets commissioned		12,561		12,561
less	Asset disposals (other than below)				
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		-		-
plus	Lost and found assets adjustment				
plus	Adjustment resulting from asset allocation				0
	Total closing RAB value		42,203		42,203

* 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 non-regulated 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 2014**

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

58 **4(iii): Calculation of Revaluation Rate and Revaluation of Assets**

59					
60		CPI _t			1,192
61		CPI _{t-4}			1,174
62		Revaluation rate (%)			1.53%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
65				
66		30,349		30,349
67	less			
68				
69		30,349		30,349
70	Total revaluations		465	465

72 **4(iv): Roll Forward of Works Under Construction**

	Unallocated works under construction		Allocated works under construction	
74				
75	plus	8,900		8,900
76	less	12,561		12,561
77	plus			
78	Works under construction - current disclosure year		11	11
79				
80	Highest rate of capitalised finance applied			

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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

Depreciation - standard
 Depreciation - no standard life assets
 Depreciation - modified life assets
 Depreciation - alternative depreciation in accordance with CPP
Total depreciation

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
1,173		1,173	
	1,173		1,173

4(vi): Disclosure of Changes to Depreciation Profiles

(\$000 unless otherwise specified)

Asset or assets with changes to depreciation*

* include additional rows if needed

Reason for non-standard depreciation (text entry)

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

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	39	2,053	1,778	533	16,504	3,372	2,423	3,378	268	30,349
less Total depreciation	5	76	77	26	625	122	114	88	39	1,173
plus Total revaluations	1	31	27	8	253	52	37	52	4	465
plus Assets commissioned	-	3,723	8,224	9	312	158	5	56	74	12,561
less Asset disposals										-
plus Lost and found assets adjustment										-
plus Adjustment resulting from asset allocation										-
plus Asset category transfers										-
Total closing RAB value	35	5,732	9,952	524	16,444	3,459	2,351	3,398	307	42,203

Asset Life

Weighted average remaining asset life	-	38.9	27.3	26.9	26.2	25.4	17.3	24.0	2.4	(years)
Weighted average expected total asset life	60.0	59.0	41.9	55.9	53.6	51.5	41.7	45.0	7.3	(years)

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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

		(\$000)
7	5a(i): Regulatory Tax Allowance	
8	Regulatory profit / (loss) before tax	3,723
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	5 *
12	Amortisation of initial differences in asset values	704
13	Amortisation of revaluations	95
14		804
15		
16	<i>less</i> Income included in regulatory profit / (loss) before tax but not taxable	465 *
17	Discretionary discounts and consumer rebates	-
18	Expenditure or loss deductible but not in regulatory profit / (loss) before tax**	*
19	Notional deductible interest	732
20		1,197
21		
22	Regulatory taxable income	3,329
23		
24	<i>less</i> Utilised tax losses	-
25	Regulatory net taxable income	3,329
26		
27	Corporate tax rate (%)	28%
28	Regulatory tax allowance	932

* Workings to be provided in Schedule 14

** Excluding discretionary discounts and consumer rebates

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	17,605
37	Amortisation of initial differences in asset values	704
38	Adjustment for unamortised initial differences in assets acquired	
39	Adjustment for unamortised initial differences in assets disposed	
40	Closing unamortised initial differences in asset values	16,901
41		
42	Opening weighted average remaining asset life (years)	25

5a(iv): Amortisation of Revaluations

(\$000)

45	Opening Sum of RAB values without revaluations	40,093
46		
47	Adjusted depreciation	1,078
48	Total depreciation	1,173
49	Amortisation of revaluations	95

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

57	5a(v): Reconciliation of Tax Losses		(\$000)
58			
59	Opening tax losses		
60	plus Current period tax losses		
61	less Utilised tax losses		
62	Closing tax losses		-
63	5a(vi): Calculation of Deferred Tax Balance		(\$000)
64			
65	Opening deferred tax	(428)	
66			
67	plus Tax effect of adjusted depreciation	302	
68			
69	less Tax effect of total tax depreciation	249	
70			
71	plus Tax effect of other temporary differences*	1	
72			
73	less Tax effect of amortisation of initial differences in asset values	197	
74			
75	plus Deferred tax balance relating to assets acquired in the disclosure year		
76			
77	less Deferred tax balance relating to assets disposed in the disclosure year		
78			
79	plus Deferred tax cost allocation adjustment		
80			
81	Closing deferred tax		(572)
82			
83	5a(vii): Disclosure of Temporary Differences		
84	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).		
85			
86	5a(viii): Regulatory Tax Asset Base Roll-Forward		(\$000)
87			
88	Opening sum of regulatory tax asset values	9,315	
89	less Tax depreciation	891	
90	plus Regulatory tax asset value of assets commissioned	12,396	
91	less Regulatory tax asset value of asset disposals		
92	plus Lost and found assets adjustment		
93	plus Other adjustments to the RAB tax value		
94	Closing sum of regulatory tax asset values		20,820

Company Name **Nelson Electricity Limited**
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SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

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

sch ref

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

	(\$000)
8 Total regulatory income	7
9 Operational expenditure	177
10 Capital expenditure	70
11 Market value of asset disposals	
12 Other related party transactions	24

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

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

* include additional rows if needed

21 5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
22 Network Tasman Limited	Opex	Business Support	49	Arm's Length Directors Certification
23 Marlborough Lines Limited	Opex	Business Support	121	Arm's Length Directors Certification
24 Network Tasman Limited	Opex	Fibre Optic Network Charges	7	Market Value
25 Network Tasman Limited	Capex	Engineering Consulting	70	Arm's Length Directors Certification
26 Network Tasman Limited	Sales	Lease of building space	7	Market Value
27 Marlborough Lines Limited	Opex	Directors Fees	15	Actual Cost
28 Network Tasman Limited	Opex	Directors Fees	9	Actual Cost
29				
30				
31	[Select one]			
32	[Select one]			
33	[Select one]			
34	[Select one]			
35	[Select one]			
36	[Select one]			
37	[Select one]			

* include additional rows if needed

Company Name **Nelson Electricity Limited**
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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

7
8
9

5c(i): Qualifying Debt (may be Commission only)

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment
* include additional rows if needed							-	-	-

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11

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5c(ii): Attribution of Term Credit Spread Differential

18

19

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

Company Name **Nelson Electricity Limited**
 For Year Ended **31 March 2014**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

7 Sd(i): Operating Cost Allocations

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVBAAA allocation increase (\$000s)
Service interruptions and emergencies						
11	Directly attributable		96			
12	Not directly attributable					
13	Total attributable to regulated service		96			
Vegetation management						
15	Directly attributable		46			
16	Not directly attributable					
17	Total attributable to regulated service		46			
Routine and corrective maintenance and inspection						
19	Directly attributable		672			
20	Not directly attributable					
21	Total attributable to regulated service		672			
Asset replacement and renewal						
23	Directly attributable		59			
24	Not directly attributable					
25	Total attributable to regulated service		59			
System operations and network support						
27	Directly attributable		413			
28	Not directly attributable					
29	Total attributable to regulated service		413			
Business support						
31	Directly attributable		948			
32	Not directly attributable					
33	Total attributable to regulated service		948			
35	Operating costs directly attributable		2,234			
36	Operating costs not directly attributable					
37	Operating expenditure		2,234			

45 Sd(ii): Other Cost Allocations

46 Pass through and recoverable costs

47 Pass through costs

48 Directly attributable

77

49 Not directly attributable

50 **Total attributable to regulated service**

77

51 Recoverable costs

52 Directly attributable

3,124

53 Not directly attributable

54 **Total attributable to regulated service**

3,124

56 Sd(iii): Changes in Cost Allocations* †

		(\$000)		
			CY-1	Current Year (CY)
			31 Mar 13	31 Mar 14
Change in cost allocation 1				
59	Cost category			
60	Original allocator or line items			
61	New allocator or line items			
62				
63	Rationale for change			
64				
65				
Change in cost allocation 2				
67	Cost category			
68	Original allocator or line items			
69	New allocator or line items			
70				
71	Rationale for change			
72				
73				
Change in cost allocation 3				
75	Cost category			
76	Original allocator or line items			
77	New allocator or line items			
78				
79	Rationale for change			
80				
81				
82				

* 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 2014**

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

7 5e(i):Regulated Service Asset Values

	Value allocated (\$000s) Electricity distribution services
Subtransmission lines	
Directly attributable	35
Not directly attributable	
Total attributable to regulated service	35
Subtransmission cables	
Directly attributable	5,732
Not directly attributable	
Total attributable to regulated service	5,732
Zone substations	
Directly attributable	9,952
Not directly attributable	
Total attributable to regulated service	9,952
Distribution and LV lines	
Directly attributable	524
Not directly attributable	
Total attributable to regulated service	524
Distribution and LV cables	
Directly attributable	16,444
Not directly attributable	
Total attributable to regulated service	16,444
Distribution substations and transformers	
Directly attributable	3,459
Not directly attributable	
Total attributable to regulated service	3,459
Distribution switchgear	
Directly attributable	2,351
Not directly attributable	
Total attributable to regulated service	2,351
Other network assets	
Directly attributable	3,398
Not directly attributable	
Total attributable to regulated service	3,398
Non-network assets	
Directly attributable	307
Not directly attributable	
Total attributable to regulated service	307
Regulated service asset value directly attributable	42,203
Regulated service asset value not directly attributable	0
Total closing RAB value	42,203

57 5e(ii): Changes in Asset Allocations* †

		(\$000)	
		CY-1 31 Mar 13	Current Year (CY) 31 Mar 14
Change in asset value allocation 1			
Asset category		Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	-
Rationale for change			
Change in asset value allocation 2			
Asset category		Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	-
Rationale for change			
Change in asset value allocation 3			
Asset category		Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	-
Rationale for change			

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

Company Name **Nelson Electricity Limited**
 For Year Ended **31 March 2014**

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

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

sch ref

		(\$000)	(\$000)
7	6a(i): Expenditure on Assets		
8	Consumer connection		-
9	System growth		12,025
10	Asset replacement and renewal		423
11	Asset relocations		38
12	Reliability, safety and environment:		
13	Quality of supply	4	
14	Legislative and regulatory	-	
15	Other reliability, safety and environment	0	
16	Total reliability, safety and environment		4
17	Expenditure on network assets		12,489
18	Non-network assets		74
19			
20	Expenditure on assets		12,563
21	plus Cost of financing		165
22	less Value of capital contributions		167
23	plus Value of vested assets		
24			
25	Capital expenditure		12,561
26	6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		
28	Overhead to underground conversion		
29	Research and development		
30	6a(iii): Consumer Connection		
31	<i>Consumer types defined by EDB*</i>	(\$000)	(\$000)
32	[EDB consumer type]		
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		-
39			
40	less Capital contributions funding consumer connection expenditure		
41	Consumer connection less capital contributions		-
42	6a(iv): System Growth and Asset Replacement and Renewal		
43		System Growth	Asset Replacement and Renewal
44		(\$000)	(\$000)
45	Subtransmission	3,675	-
46	Zone substations	8,116	-
47	Distribution and LV lines	-	9
48	Distribution and LV cables	11	297
49	Distribution substations and transformers	215	50
50	Distribution switchgear	7	5
51	Other network assets	-	62
52	System growth and asset replacement and renewal expenditure	12,025	423
53	less Capital contributions funding system growth and asset replacement and renewal	133	
54	System growth and asset replacement and renewal less capital contributions	11,891	423
55			
56	6a(v): Asset Relocations		
57	<i>Project or programme*</i>	(\$000)	(\$000)
58	Waimea Road / Motueks Street Changes	38	
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 asset relocations projects or programmes		
65	Asset relocations expenditure		38
66	less Capital contributions funding asset relocations	34	
67	Asset relocations less capital contributions		4

Company Name **Nelson Electricity Limited**
 For Year Ended **31 March 2014**

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

75	6a(vi): Quality of Supply		
76	Project or programme*	(\$000)	(\$000)
77	Logging Equipment	4	
78	[Description of material project or programme]		
79	[Description of material project or programme]		
80	[Description of material project or programme]		
81	[Description of material project or programme]		
82	* include additional rows if needed		
83	All other quality of supply projects or programmes		
84	Quality of supply expenditure		4
85	less Capital contributions funding quality of supply		
86	Quality of supply less capital contributions		4
87	6a(vii): Legislative and Regulatory		
88	Project or programme*	(\$000)	(\$000)
89	[Description of material project or programme]		
90	[Description of material project or programme]		
91	[Description of material project or programme]		
92	[Description of material project or programme]		
93	[Description of material project or programme]		
94	* include additional rows if needed		
95	All other legislative and regulatory projects or programmes		
96	Legislative and regulatory expenditure		-
97	less Capital contributions funding legislative and regulatory		
98	Legislative and regulatory less capital contributions		-
99	6a(viii): Other Reliability, Safety and Environment		
100	Project or programme*	(\$000)	(\$000)
101	Misc	0	
102	[Description of material project or programme]		
103	[Description of material project or programme]		
104	[Description of material project or programme]		
105	[Description of material project or programme]		
106	* include additional rows if needed		
107	All other reliability, safety and environment projects or programmes		
108	Other reliability, safety and environment expenditure		0
109	less Capital contributions funding other reliability, safety and environment		
110	Other reliability, safety and environment less capital contributions		0
111			
112	6a(ix): Non-Network Assets		
113	Routine expenditure		
114	Project or programme*	(\$000)	(\$000)
115	Office Equipment	1	
116	Computer Equipment	70	
117	Safety Equipment	3	
118	[Description of material project or programme]		
119	[Description of material project or programme]		
120	* include additional rows if needed		
121	All other routine expenditure projects or programmes		
122	Routine expenditure		74
123	Atypical expenditure		
124	Project or programme*	(\$000)	(\$000)
125	[Description of material project or programme]		
126	[Description of material project or programme]		
127	[Description of material project or programme]		
128	[Description of material project or programme]		
129	[Description of material project or programme]		
130	* include additional rows if needed		
131	All other atypical expenditure projects or programmes		
132	Atypical expenditure		-
133			
134	Non-network assets expenditure		74

Company Name **Nelson Electricity Limited**
 For Year Ended **31 March 2014**

SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of operating 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 operating 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	96	
9	Vegetation management	46	
10	Routine and corrective maintenance and inspection	672	
11	Asset replacement and renewal	59	
12	Network opex		873
13	System operations and network support	413	
14	Business support	946	
15	Non-network opex		1,359
16			
17	Operational expenditure		2,232
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		147
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Nelson Electricity Limited
For Year Ended	31 March 2014

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(i): Revenue			
Line charge revenue	10,157	9,812	(3%)
7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
Consumer connection		-	-
System growth	6,290	12,025	91%
Asset replacement and renewal	1,180	423	(64%)
Asset relocations		38	-
Reliability, safety and environment:			
Quality of supply		4	-
Legislative and regulatory		-	-
Other reliability, safety and environment	165	0	(100%)
Total reliability, safety and environment	165	4	(98%)
Expenditure on network assets	7,635	12,489	64%
Non-network capex	16	74	360%
Expenditure on assets	7,651	12,563	64%
7(iii): Operational Expenditure			
Service interruptions and emergencies	144	96	(33%)
Vegetation management	30	46	53%
Routine and corrective maintenance and inspection	369	672	82%
Asset replacement and renewal	375	59	(84%)
Network opex	918	873	(5%)
System operations and network support	244	413	69%
Business support	1,342	946	(30%)
Non-network opex	1,586	1,359	(14%)
Operational expenditure	2,504	2,232	(11%)
7(iv): Subcomponents of Expenditure on Assets (where known)			
Energy efficiency and demand side management, reduction of energy losses		-	-
Overhead to underground conversion		-	-
Research and development		-	-
7(v): Subcomponents of Operational Expenditure (where known)			
Energy efficiency and demand side management, reduction of energy losses		-	-
Direct billing		-	-
Research and development		-	-
Insurance		147	-

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

2 From the nominal dollar expenditure forecast and disclosed in the second to last AMP as the year CY+1 forecast

Company Name	Nelson Electricity Limited
For Year Ended	31 March 2014
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	39	1,457
Load Group 1	Residential Low User	Standard	2,564	12,181
Load Group 2	Residential and Small Business	Standard	6,674	68,608
Load Group 3	Time of Use	Standard	93	45,593
Load Group 4	Large TOU	Standard	1	14,327
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>				
Standard consumer totals			9,171	142,168
Non-standard consumer totals				
Total for all consumers			9,171	142,168

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

Billed quantities by price component

Price component	Streetlight	0 Builders Temporary	0 Unmetered	Group 1 Fixed	Group 1 Variable	Group 2 Fixed	Group 2 Variable	TOU - Capacity	TOU - Winter Demand	TOU - Installation	TOU - Variable	TOU - Power Factor	TOU - Group4	TOU Group 4 - Power Factor
Days	Days	Days	kVA	kWh	kVA	kWh	kVA	kVA	kVA	Days	kWh	kVAh	month	kVAh
365	4,967	11,816		12,522,677	12,181,066									
					47,940,215	8,297,103								
								12,079,712	4,858,721	33,762	44,466,809	8,135		
													12	131
365	4,967	11,816		12,522,677	12,181,066	47,940,215	8,297,103	12,079,712	4,858,721	33,762	44,466,809	8,135	12	131
365	4,967	11,816		12,522,677	12,181,066	47,940,215	8,297,103	12,079,712	4,858,721	33,762	44,466,809	8,135	12	131

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

Company Name **Nelson Electricity Limited**
 For Year Ended **31 March 2014**
 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 ED8 in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

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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 (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$/day, \$/kWh, etc.)	Line charge revenues (\$000) by price component													Add extra columns for additional line charge revenues by price component as necessary		
								Streetlight	0 Builders Temporary	0 Unmetered	Group 1 Fixed	Group 1 Variable	Group 2 Fixed	Group 2 Variable	TOU - Capacity	TOU - Winter Demand	TOU - Installation	TOU - Variable	TOU - Power Factor	TOU - Group4		TOU Group 4 - Power Factor	
								cents per kWh	kVA per day	cents/day	cents/kVA/day	cents/kWh	cents/kVA/day	cents/kWh	cents/kVA/day	cents per kVA (demand) /day	cents/day	cents/kWh	\$/kWh (monthly peak demand to reach 0.95SP)	Fixed monthly charge	\$/kWh (monthly peak demand to reach 0.95SP)		
Load Group 0	Unmetered	Standard	\$111		\$111			\$100	\$4	\$7													
Load Group 1	Residential Low User	Standard	\$1,030		\$1,030						\$125	\$905											
Load Group 2	Residential and Small Business	Standard	\$5,852		\$5,852							\$2,552	\$3,290										
Load Group 3	Time of Use	Standard	\$2,422		\$2,422										\$578	\$1,049	\$37	\$708	\$40		\$396	\$1	
Load Group 4	Large TOU	Standard	\$397		\$397																		
Standard consumer totals			\$9,812		\$9,812			\$100	\$4	\$7	\$125	\$905	\$2,552	\$3,290	\$578	\$1,049	\$37	\$708	\$40		\$396	\$1	
Non-standard consumer totals																							
Total for all consumers			\$9,812		\$9,812			\$100	\$4	\$7	\$125	\$905	\$2,552	\$3,290	\$578	\$1,049	\$37	\$708	\$40		\$396	\$1	

8(iii): Number of ICPs directly billed
 Number of directly billed ICPs at year end

Check OK

Company Name	Nelson Electricity Limited
For Year Ended	31 March 2014
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

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

sch ref

sch ref	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy 1-4
8	All	Overhead Line	Concrete poles / steel structure	No.	713	712	(1)	2
9	All	Overhead Line	Wood poles	No.	201	203	2	2
10	All	Overhead Line	Other pole types	No.	-	-	-	2
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	1	1	-	2
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	2
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	4	12	8	2
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	2
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	2
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	6	6	-	2
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	2
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	2
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	2
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	2
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	2
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	1	2	1	2
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	2
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	2
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	2
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	2
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	32	16	(16)	2
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	2
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	10	10	2
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	6	3	(3)	2
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	15	41	26	2
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	2	2	-	2
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	7	10	3	2
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	7	6	(1)	2
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	2
36	HV	Distribution Line	SWER conductor	km	2	2	-	2
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	25	23	(2)	2
38	HV	Distribution Cable	Distribution UG PILC	km	47	51	4	2
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	2
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	1	1	-	2
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	41	41	-	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	25	25	-	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	44	46	2	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	258	261	3	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	16	18	2	2
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	179	180	1	2
47	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	2
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	179	181	2	2
49	LV	LV Line	LV OH Conductor	km	23	23	-	2
50	LV	LV Cable	LV UG Cable	km	172	173	1	2
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	75	71	(4)	2
52	LV	Connections	OH/UG consumer service connections	No.	9,117	9,173	56	2
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	49	90	41	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	2
55	All	Capacitor Banks	Capacitors including controls	No.	1	1	-	2
56	All	Load Control	Centralised plant	Lot	2	3	1	2
57	All	Load Control	Relays	No.	-	-	#VALUE!	2
58	All	Civils	Cable Tunnels	km	-	-	-	2

Company Name	Nelson Electricity Limited
For Year Ended	31 March 2014
Network / Sub-network Name	

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref	Disclosure Year (year ended)	31 March 2014																	No. with Age unknown	Total assets at year end	No. with default dates	Data accuracy (1-4)					
		Number of assets at disclosure year end by installation date																									
		pre-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1989-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014				
9	Voltage																										
10	All	Overhead Line	Concrete poles / steel structure	No.	21	1	43	252	91	136	36	7	6	27	2	9	12	8	10	8	26	8	-	4	2	2	
11	All	Overhead Line	Wood poles	No.	1	-	23	32	21	14	5	3	1	7	-	3	7	1	4	1	3	1	-	16	1	1	
12	All	Overhead Line	Other pole types	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	-	-	3,592	606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,026	
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	-	3,191	2,355	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	10	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
45	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	-	-	-	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
46	HV	Distribution Line	Distribution OH Open Wire Conductor	km	-	-	1	4	1	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
47	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
48	HV	Distribution Line	SWER conductor	km	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
49	HV	Distribution Cable	Distribution UG XLPE or PVC	km	-	-	-	0	4	14	3	-	-	-	-	0	-	-	1	-	0	0	0	-	-	-	
50	HV	Distribution Cable	Distribution UG PILC	km	1	-	0	7	14	6	2	3	0	1	0	2	3	0	0	1	3	2	2	1	1	1	
51	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
52	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
53	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	-	17	16	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	
54	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
55	HV	Distribution switchgear	3.3/6.6/11/22kV Switches (ground mounted) - except RMU	No.	-	-	-	6	6	3	2	-	-	-	3	1	2	6	-	5	-	4	3	1	1	3	
56	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	-	-	-	9	51	67	16	10	-	1	6	9	7	31	8	3	15	13	7	2	2	4	
57	HV	Distribution Transformer	Pole Mounted Transformer	No.	-	-	-	1	3	3	1	-	-	-	1	1	2	3	2	-	-	-	-	-	-	-	
58	HV	Distribution Transformer	Ground Mounted Transformer	No.	-	-	-	4	7	35	25	2	4	6	4	6	15	17	10	7	8	13	5	5	3	4	
59	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
60	HV	Distribution Substations	Ground Mounted Substation Housing	No.	4	-	1	20	42	61	15	6	1	3	4	3	3	5	-	3	3	2	1	2	1	1	
61	LV	LV Line	LV OH Conductor	km	0	-	0	11	4	7	0	0	-	-	0	-	-	-	-	0	-	-	-	0	0	0	
62	LV	LV Cable	LV UG Cable	km	0	-	0	23	43	43	12	1	1	2	1	3	4	2	3	3	3	1	3	1	1	1	
63	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1	-	0	23	27	10	4	0	0	0	-	1	1	1	0	0	0	0	1	0	0	0	
64	LV	Connections	OH/UG consumer service connections	No.	-	-	-	-	2,239	504	6,268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
65	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	-	-	9	9	-	6	-	-	-	-	-	-	-	-	-	-	35	45	26	56	-		
66	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	8	12	40	-		
67	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
68	All	Load Control	Centralised plant	Lot	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
69	All	Load Control	Relays	No.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
70	All	Civils	Cable Tunnels	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Company Name

Nelson Electricity Limited

For Year Ended

31 March 2014

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

	Overhead (km)	Underground (km)	Total circuit length (km)
9			
10	Circuit length by operating voltage (at year end)		
11	-	-	-
12	> 66kV	-	-
13	50kV & 66kV	-	-
14	33kV	18	18
15	SWER (all SWER voltages)	-	2
16	22kV (other than SWER)	-	-
17	6.6kV to 11kV (inclusive—other than SWER)	74	80
18	Low voltage (< 1kV)	136	166
19	Total circuit length (for supply)	228	266
20	Dedicated street lighting circuit length (km)	64	65
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			
23	Overhead circuit length by terrain (at year end)		
24	Urban	37	95%
25	Rural	-	-
26	Remote only	2	5%
27	Rugged only	-	-
28	Remote and rugged	-	-
29	Unallocated overhead lines	-	-
30	Total overhead length	39	100%
31			
32	(% of total circuit length)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)	266	100%
34	(% of total overhead length)		
35	Overhead circuit requiring vegetation management	39	100%

Company Name

Nelson Electricity Limited

For Year Ended

31 March 2014

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 2014**

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
Load Group 1
Load Group 2
TOU
Large TOU

* include additional rows if needed

Number of connections (ICPs)

6
3
84
1

Connections total

94

Distributed generation

Number of connections made in year

19	connections
----	-------------

Capacity of distributed generation installed in year

0	MVA
---	-----

9e(ii): System Demand

Maximum coincident system demand

GXP demand

34

plus Distributed generation output at HV and above

-

Maximum coincident system demand

34

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

-

Demand on system for supply to consumers' connection points

34

Electricity volumes carried

Electricity supplied from GXPs

148

less Electricity exports to GXPs

-

plus Electricity supplied from distributed generation

-

less Net electricity supplied to (from) other EDBs

-

Electricity entering system for supply to consumers' connection points

148

less Total energy delivered to ICPs

142

Electricity losses (loss ratio)

6	4.1%
---	------

Load factor

1

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

(MVA)

95

Distribution transformer capacity (Non-EDB owned)

-

Total distribution transformer capacity

95

Zone substation transformer capacity

72

Company Name **Nelson Electricity Limited**

For Year Ended **31 March 2014**

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIFI, SAIPI 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	
Class A (planned interruptions by Transpower)	-
Class B (planned interruptions on the network)	14
Class C (unplanned interruptions on the network)	6
Class D (unplanned interruptions by Transpower)	1
Class E (unplanned interruptions of EDB owned generation)	-
Class F (unplanned interruptions of generation owned by others)	-
Class G (unplanned interruptions caused by another disclosing entity)	-
Class H (planned interruptions caused by another disclosing entity)	-
Class I (interruptions caused by parties not included above)	-
Total	21

Interruption restoration

	≤3Hrs	>3hrs
Class C interruptions restored within	5	1

SAIFI and SAIDI by class

	SAIFI	SAIDI
Class A (planned interruptions by Transpower)	-	-
Class B (planned interruptions on the network)	0.21	1.8
Class C (unplanned interruptions on the network)	0.29	20.6
Class D (unplanned interruptions by Transpower)	1.00	39.6
Class E (unplanned interruptions of EDB owned generation)	-	-
Class F (unplanned interruptions of generation owned by others)	-	-
Class G (unplanned interruptions caused by another disclosing entity)	-	-
Class H (planned interruptions caused by another disclosing entity)	-	-
Class I (interruptions caused by parties not included above)	-	-
Total	1.50	62.0

Normalised SAIFI and SAIDI

	Normalised SAIFI	Normalised SAIDI
Classes B & C (interruptions on the network)	0.50	22.4

Quality path normalised reliability limit

SAIFI and SAIDI limits applicable to disclosure year*

* not applicable to exempt EDBs

	SAIFI reliability limit	SAIDI reliability limit
	1.13	71.5

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

Cause

	SAIFI	SAIDI
Lightning	-	-
Vegetation	-	-
Adverse weather	-	-
Adverse environment	-	-
Third party interference	0.04	0.8
Wildlife	0.14	8.3
Human error	-	-
Defective equipment	0.12	11.5
Cause unknown	-	-

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

Main equipment involved

	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	-	-
Distribution cables (excluding LV)	0.20	1.7
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)	0.14	9.1
Distribution cables (excluding LV)	0.14	6.1
Distribution other (excluding LV)	0.02	5.4

10(v): Fault Rate

Main equipment involved

	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	-	1	-
Subtransmission cables	-	18	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	3	6	48.15
Distribution cables (excluding LV)	2	74	2.72
Distribution other (excluding LV)	1	-	-
Total	6		