COMMERCE COMMISSION NEW ZEALAND

EDB Information Disclosure Requirements

Information Templates

for

Schedules 1–10

Company Name	Electra Limited
Disclosure Date	31 August 2013
Disclosure Year (year ended)	31 March 2013

Templates for Schedules 1–10
Template Version 2.1. Prepared 14 May 2013

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Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

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

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	20,809	75	91,538	3,773	27,461	from S6b, S8, S9c, S9e
Network	7,688	28	33,817	1,394	10,145	from S6b, S8, S9c, S9e
Non-network	13,122	48	57,720	2,379	17,316	from S6b, S8, S9c, S9e
Expenditure on assets	15,727	57	69,181	2,852	20,754	from S6a, S8, S9c, S9e
Network	13,946	51	61,345	2,529	18,404	from S6a, S8, S9c, S9e
Non-network	1,781	6	7,835	323	2,351	from S6a, S8, S9c, S9e

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs ($/GWh)	Revenue per average no. of ICPs ($/ICP)	
Total consumer line charge revenue	82,922	301	from S8
Standard consumer line charge revenue	82,922	301	from S8
Non-standard consumer line charge revenue	-	-	from S8

1(iii): Service intensity measures

Demand density	41	*Maximum coincident system demand per km circuit length (for supply) (kW/km)*	from S9c & S9e
Volume density	181	*Total energy delivered to ICPs per km circuit length (for supply) (MWh/km)*	from S8 & S9c
Connection point density	50	*Average number of ICPs per km circuit length (for supply) (ICPs/km)*	from S8 & S9c
Energy intensity	3,624	*Total energy delivered to ICPs per Average number of ICPs (kWh/ICP)*	from S8

1(iv): Composition of regulatory income

	($000)	% of revenue	
Operational expenditure	8,513	25.02%	from S3
Pass-through and recoverable costs	8,415	24.74%	from S3
Total depreciation	5,245	15.42%	from S3
Total revaluation	1,177	3.46%	from S3
Regulatory tax allowance	872	2.56%	from S3
Regulatory profit/loss	12,151	35.72%	from S3
Total regulatory income	34,018		from S3

1(v): Reliability

	Interruptions per 100 circuit km	
Interruption rate	5.54	from S9c & S10

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

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 31 Mar 11 %	CY-1 31 Mar 12 %	Current Year CY 31 Mar 13 %
7	**2(i): Return on Investment**			
8				
9	**Post tax WACC**			
10	**ROI—comparable to a post tax WACC**		7.10%	7.84%
11				
12	**Mid-point estimate of post tax WACC**		6.40%	5.85%
13	25th percentile estimate		5.68%	5.13%
14	75th percentile estimate		7.11%	6.56%
15				
16				
17	**Vanilla WACC**			
18	**ROI—comparable to a vanilla WACC**		7.92%	8.62%
19				
20	**Mid-point estimate of vanilla WACC**		7.22%	6.62%
21	25th percentile estimate		6.51%	5.91%
22	75th percentile estimate		7.94%	7.34%
23				

			($000)	
24	**2(ii): Information Supporting the ROI**			
25				
26		Total opening RAB value	138,119	
27	*plus*	Opening deferred tax	(2,256)	
28		Opening RIV		135,862
29				
30		Operating surplus / (deficit)	17,091	
31	*less*	Regulatory tax allowance	872	
32	*less*	Assets commissioned	10,316	
33	*plus*	Asset disposals	1,001	
34		**Notional net cash flows**		6,904
35				
36		Total closing RAB value	143,366	
37	*less*	Adjustment resulting from asset allocation	0	
38	*less*	Lost and found assets adjustment	-	
39	*plus*	Closing deferred tax	(2,985)	
40		**Closing RIV**		140,381
41				
42		**ROI—comparable to a vanilla WACC**		0.09
43				
44		Leverage (%)		44%
45		Cost of debt assumption (%)		6.31%
46		Corporate tax rate (%)		28%
47				
48		**ROI—comparable to a post tax WACC**		0.08

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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sch ref

56 **2(iii): Information Supporting the Monthly ROI**

57

58 **Cash flows** ($000)

59	Total regulatory income	Expenses	Tax payments	Assets commissioned	Asset disposals	Notional net cash flows
60 April						-
61 May						-
62 June						-
63 July						-
64 August						-
65 September						-
66 October						-
67 November						-
68 December						-
69 January						-
70 February						-
71 March						-
72 **Total**	-	-	-	-	-	-

73

74	Opening / closing RAB	Adjustment resulting from asset allocation	Lost and found assets adjustment	Opening / closing deferred tax	Revenue related working capital	Total
75 Monthly ROI - opening RIV	138,119			(2,256)	-	135,862
76						
77 Monthly ROI -closing RIV	143,366	0	-	(2,985)	-	140,382
78 Monthly ROI -closing RIV less term credit spread differential allowance						140,382
79 **Monthly ROI—comparable to a vanilla WACC**						0.03
80						
81 **Monthly ROI—comparable to a post-tax WACC**						0.03

82

83 **2(iv): Year-End ROI Rates for Comparison Purposes**

84

85 **Year-end ROI—comparable to a vanilla WACC** 0.09

86

87 **Year-end ROI—comparable to a post-tax WACC** 0.08

88

89 ** 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	**Electra Limited**
For Year Ended	**31 March 2013**

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).
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	33,923
10	*plus*	Gains / (losses) on asset disposals	(1,001)
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)	1,096
12			
13		**Total regulatory income**	34,018
14		**Expenses**	
15	*less*	Operational expenditure	8,513
17	*less*	Pass-through and recoverable costs	8,415
18			
19		**Operating surplus / (deficit)**	17,091
20			
21	*less*	Total depreciation	5,245
22			
23	*plus*	Total revaluation	1,177
24			
25		**Regulatory profit / (loss) before tax & term credit spread differential allowance**	13,023
26			
27	*less*	Term credit spread differential allowance	-
28			
29		**Regulatory profit / (loss) before tax**	13,023
30			
31	*less*	Regulatory tax allowance	872
32			
33		**Regulatory profit / (loss)**	12,151
34			

				($000)
35	**3(ii): Pass-Through and Recoverable Costs**			
36		**Pass-through costs**		
37		Rates	63	
38		Commerce Act levies	n/a	
		Electricity Authority levies	86	
40		Other specified pass-through costs	21	
41		**Recoverable costs**		
42		Net recoverable costs allowed under incremental rolling incentive scheme	n/a	
43		Non-exempt EDB electricity lines service charge payable to Transpower	7,011	
44		Transpower new investment contract charges	n/a	
45		System operator services	n/a	
46		Avoided transmission charge	1,234	
47		Input Methodology claw-back	n/a	
48		Recoverable customised price-quality path costs	n/a	
49		**Pass-through and recoverable costs**		8,415

Company Name	**Electra Limited**
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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).
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sch ref

57 **3(iii): Incremental Rolling Incentive Scheme**

58 ($000)

59

		CY-1 31 March 2012	CY 31 March 2013
60	Allowed controllable opex	n/a	n/a
61	Actual controllable opex	n/a	n/a
62			
63	Incremental change in year		n/a
64			

			Previous years' incremental change	Previous years' incremental change adjusted for inflation
65				
66	CY-5	31 Mar 08	n/a	n/a
67	CY-4	31 Mar 09	n/a	n/a
68	CY-3	31 Mar 10	n/a	n/a
69	CY-2	31 Mar 11	n/a	n/a
70	CY-1	31 Mar 12	n/a	n/a
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: n/a

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: n/a

Company Name	**Electra 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)

sch ref		RAB CY-4 ($000)	RAB CY-3 ($000)	RAB CY-2 ($000)	RAB CY-1 ($000)	RAB CY ($000)
10	**Total opening RAB value**		136,991	138,005	137,618	138,119
12	*less* **Total depreciation**		5,329	5,435	5,283	5,245
14	*plus* **Total revaluations**		2,758	3,338	2,162	1,177
16	*plus* **Assets commissioned**		5,803	3,021	3,772	10,316
18	*less* **Asset disposals**		1,115	1,311	151	1,001
20	*plus* **Lost and found assets adjustment**		(1,103)	-	-	-
22	*plus* **Adjustment resulting from asset allocation**		-	-	-	0
24	**Total closing RAB value**	-	138,005	137,618	138,119	143,366

4(ii): Unallocated Regulatory Asset Base

sch ref		Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
29	**Total opening RAB value**		138,119		138,119
30	*less*				
31	**Total depreciation**		5,245		5,245
32	*plus*				
33	**Total revaluations**		1,177		1,177
34	*plus*				
35	Assets commissioned (other than below)	10,264		10,264	
36	Assets acquired from a regulated supplier	-		-	
37	Assets acquired from a related party	52		52	
38	**Assets commissioned**		10,316		10,316
39	*less*				
40	Asset disposals (other than below)	1,001		1,001	
41	Asset disposals to a regulated supplier	-		-	
42	Asset disposals to a related party	-		-	
43	**Asset disposals**		1,001		1,001
45	*plus* **Lost and found assets adjustment**		-		-
47	*plus* **Adjustment resulting from asset allocation**				0
49	**Total closing RAB value**		143,366		143,366

** 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.*

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

sch ref			
60		CPI_4	1,174
61		CPI_4^{-1}	1,164
62		Revaluation rate (%)	0.86%

sch ref			Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
66		Total opening RAB value	138,119		138,119	
67	*less*	Opening RAB value of fully depreciated, disposed and lost assets	1,092		1,092	
69		Total opening RAB value subject to revaluation	137,027		137,027	
70		**Total revaluations**		1,177		1,177

4(iv): Roll Forward of Works Under Construction

sch ref			Unallocated works under construction		Allocated works under construction	
74		**Works under construction—preceding disclosure year**		8,109		8,109
75	*plus*	Capital expenditure	6,496		6,496	
76	*less*	Assets commissioned	10,316		10,316	
77	*plus*	Adjustment resulting from asset allocation			-	
78		**Works under construction - current disclosure year**		4,289		4,289
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

88 **4(v): Regulatory Depreciation**

89
90

	Unallocated RAB * ($000)	($000)	RAB ($000)	($000)
91 Depreciation - standard	5,245		5,245	
92 Depreciation - no standard life assets	-		-	
93 Depreciation - modified life assets	-		-	
94 Depreciation - alternative depreciation in accordance with CPP	-		-	
95 **Total depreciation**		5,245		5,245

96

97 **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
98					
99	N/A				
100					
101					
102					
103					
104					
105					
106					

** include additional rows if needed*

107 **4(vii): Disclosure by Asset Category**

108 ($000 unless otherwise specified)

109			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
110		**Total opening RAB value**	6,492	6,624	23,155	25,309	36,645	21,776	6,089	10,946	1,082	138,118
111	*less*	Total depreciation	238	244	815	900	1,179	786	261	717	107	5,245
112	*plus*	Total revaluations	56	57	199	218	315	180	51	94	9	1,178
113	*plus*	Assets commissioned	67	-	4,570	1,187	583	1,603	1,441	610	253	10,316
114	*less*	Asset disposals	-	-	3	4	-	819	157	6	12	1,001
115	*plus*	Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
116	*plus*	Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	-	-
117	*plus*	Asset category transfers	-	-	-	-	-	-	-	-	-	-
118		**Total closing RAB value**	6,377	6,437	27,106	25,811	36,365	21,954	7,164	10,927	1,226	143,366
119												
120		**Asset Life**										
121		Weighted average remaining asset life	28.3	30.1	31.2	27.5	36.5	30.8	24.6	16.8	34.1	(years)
122		Weighted average expected total asset life	59.0	45.9	47.9	58.7	61.6	44.9	37.2	37.5	38.6	(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				
7	**5a(i): Regulatory Tax Allowance**			**($000)**
8	**Regulatory profit / (loss) before tax**			13,023
9				
10	*plus*	Income not included in regulatory profit / (loss) before tax but taxable	1,072 *	
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	- *	
12		Amortisation of initial differences in asset values	2,990	
13		Amortisation of revaluations	240	
14				4,302
15				
16	*less*	Income included in regulatory profit / (loss) before tax but not taxable	- *	
17		Discretionary discounts and consumer rebates	6,947	
18		Expenditure or loss deductible but not in regulatory profit / (loss) before tax**	3,491 *	
19		Notional deductible interest	3,772	
20				14,210
21				
22	**Regulatory taxable income**			3,114
23				
24	*less*	Utilised tax losses	-	
25		Regulatory net taxable income		3,114
26				
27		Corporate tax rate (%)	28%	
28	**Regulatory tax allowance**			872
29				
30	* Workings to be provided in Schedule 14			
31	** Excluding discretionary discounts and consumer rebates			
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	89,359	
37		Amortisation of initial differences in asset values	2,990	
38		Adjustment for unamortised initial differences in assets acquired	-	
39		Adjustment for unamortised initial differences in assets disposed	698	
40		Closing unamortised initial differences in asset values		87,067
41				
42		Weighted average remaining asset life (years)		30
43	**5a(iv): Amortisation of Revaluations**			**($000)**
44				
45		Opening Sum of RAB values without revaluations	130,233	
46				
47		Adjusted depreciation	5,005	
48		Total depreciation	5,245	
49		Amortisation of revaluations		240

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

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

5a(v): Reconciliation of Tax Losses

sch ref			($000)	
57				
58				
59		**Opening tax losses**	-	
60	*plus*	Current period tax losses	-	
61	*less*	Utilised tax losses	-	
62		**Closing tax losses**		-

5a(vi): Calculation of Deferred Tax Balance

sch ref			($000)	
63				
64				
65		**Opening deferred tax**	(2,256)	
66				
67	*plus*	Tax effect of adjusted depreciation	1,401	
68				
69	*less*	Tax effect of total tax depreciation	1,139	
70				
71	*plus*	Tax effect of other temporary differences*	74	
72				
73	*less*	Tax effect of amortisation of initial differences in asset values	837	
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	228	
78				
79	*plus*	Deferred tax cost allocation adjustment	-	
80				
81		**Closing deferred tax**		(2,985)
82				

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

5a(viii): Regulatory Tax Asset Base Roll-Forward

sch ref			($000)	
86				
87				
88		**Opening sum of regulatory tax asset values**	39,300	
89	*less*	Tax depreciation	4,067	
90	*plus*	Regulatory tax asset value of assets commissioned	10,316	
91	*less*	Regulatory tax asset value of asset disposals	187	
92	*plus*	Lost and found assets adjustment	-	
93	*plus*	Other adjustments to the RAB tax value	-	
94		**Closing sum of regulatory tax asset values**		45,362

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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	-
9	Operational expenditure	2,839
10	Capital expenditure	5,592
11	Market value of asset disposals	-
12	Other related party transactions	(747)

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

	Name of related party	Related party relationship
14		
15	Linework and Stones Limited	100% owned subsidiary - amalgamated into Electra Ltd 1 July 2012
	Electra Distribution Operations	Contracting Division of Electra Limited from 1 July 2013
16	Datacol NZ Limited	100% owned subsidiary
17	Sky Communications Limited	100% owned subsidiary
18	Sky Communications Pty Limited	100% owned subsidiary
	Oxford Finance Limited	100% owned subsidiary
19	Oxford Finance Corporation Limited	100% owned subsidiary

20 ** include additional rows if needed*

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

22	Name of related party	Related party transaction type	Description of transaction	Value of transaction ($000)	Basis for determining value
23	Linework and Stones Limited	Opex	Network maintenance	829	Amount paid
24	Linework and Stones Limited	Capex	Network capital works	1,150	Amount paid
25	Datacol NZ Limited	Sales	Oncharge costs incurred on behalf of	(23)	Amount received
26	Sky Communications Limited	Sales	Interest received	(237)	Amount received
27	Sky Communications Pty Limited	Sales	Interest received	(79)	Amount received
28	Oxford Finance Limited	Sales	Management fees received	(247)	Amount received
29	Oxford Finance Corporation Limited	Sales	Management fees received	(16)	Amount received
30	Sky Communications Limited	Sales	Management fees received	(206)	Amount received
31	Oxford Finance Corporation Limited	Opex	Interest paid to	11	Amount paid
32	Sky Communications Limited	Capex	Purchase of motor vehicles	52	Amount paid
33	Linework and Stones Limited	Sales	Interest received	(2)	Amount received
34	Electra Distribution Operations	Capex	Capital works on Network	4,442	Cost
35	Electra Distribution Operations	Opex	Network maintenance	2,010	Cost
36					
37					

** include additional rows if needed*

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

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

9

10 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
11 n/a									
12									
13									
14									
15									
16 ** include additional rows if needed*						-	-	-	-

17

18 **5c(ii): Attribution of Term Credit Spread Differential**

19

20 **Gross term credit spread differential**		-
21		
22 Total book value of interest bearing debt		
23 Leverage	44%	
24 Average opening and closing RAB values		
25 **Attribution Rate (%)**		-
26		
27 **Term credit spread differential allowance**		-

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

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

8 Value allocated ($000s)

9	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000s)
10 **Service interruptions and emergencies**					
11 Directly attributable		1,189			
12 Not directly attributable		-		-	
13 **Total attributable to regulated service**		1,189			
14 **Vegetation management**					
15 Directly attributable		927			
16 Not directly attributable		-		-	
17 **Total attributable to regulated service**		927			
18 **Routine and corrective maintenance and inspection**					
19 Directly attributable		620			
20 Not directly attributable		-		-	
21 **Total attributable to regulated service**		620			
22 **Asset replacement and renewal**					
23 Directly attributable		409			
24 Not directly attributable		-		-	
25 **Total attributable to regulated service**		409			
26 **System operations and network support**					
27 Directly attributable		1,015			
28 Not directly attributable		-		-	
29 **Total attributable to regulated service**		1,015			
30 **Business support**					
31 Directly attributable		4,353			
32 Not directly attributable		-		-	
33 **Total attributable to regulated service**		4,353			
34					
35 **Operating costs directly attributable**		8,513			
36 **Operating costs not directly attributable**	-	-	-	-	-
37 **Operating expenditure**		8,513			

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

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

45 **5d(ii): Other Cost Allocations**

46 **Pass through and recoverable costs**

47 **Pass through costs**

48	Directly attributable	170
49	Not directly attributable	-
50	**Total attributable to regulated service**	170

51 **Recoverable costs**

52	Directly attributable	8,415
53	Not directly attributable	-
54	**Total attributable to regulated service**	8,415

55

56 **5d(iii): Changes in Cost Allocations* †**

($000)

57 **Change in cost allocation 1**

			CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
58				
59	Cost category	Original allocation		
60	Original allocator or line items	New allocation		
61	New allocator or line items	Difference	-	-
62				
63	Rationale for change			
64				

65 **Change in cost allocation 2**

			CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
66				
67	Cost category	Original allocation		
68	Original allocator or line items	New allocation		
69	New allocator or line items	Difference	-	-
70				
71	Rationale for change			
72				

73 **Change in cost allocation 3**

			CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
74				
75	Cost category	Original allocation		
76	Original allocator or line items	New allocation		
77	New allocator or line items	Difference	-	-
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	**Electra Limited**
For Year Ended	**31 March 2013**

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	6,377
Not directly attributable	-
Total attributable to regulated service	6,377
Subtransmission cables	
Directly attributable	6,437
Not directly attributable	-
Total attributable to regulated service	6,437
Zone substations	
Directly attributable	27,106
Not directly attributable	-
Total attributable to regulated service	27,106
Distribution and LV lines	
Directly attributable	25,811
Not directly attributable	-
Total attributable to regulated service	25,811
Distribution and LV cables	
Directly attributable	36,365
Not directly attributable	-
Total attributable to regulated service	36,365
Distribution substations and transformers	
Directly attributable	21,954
Not directly attributable	-
Total attributable to regulated service	21,954
Distribution switchgear	
Directly attributable	7,164
Not directly attributable	-
Total attributable to regulated service	7,164
Other network assets	
Directly attributable	10,927
Not directly attributable	-
Total attributable to regulated service	10,927
Non-network assets	
Directly attributable	1,226
Not directly attributable	-
Total attributable to regulated service	1,226
Regulated service asset value directly attributable	143,366
Regulated service asset value not directly attributable	-
Total closing RAB value	143,366

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

($000)

			CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
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				

			CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
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				

			CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
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				

85 ** 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	**Electra Limited**
For Year Ended	**31 March 2013**

SCHEDULE 5h: REPORT ON TRANSITIONAL FINANCIAL INFORMATION

This schedule requires information on:
- the calculation of the initial RAB value for the EDB, as of 31 March 2009;
- how the initial RAB value has been rolled forward to 31 March 2012;
- a summary of revaluations,
- the value of works under construction, and
- regulatory tax.

EDBs must complete this schedule in relation to the year ending 31 March 2012, and at that time must provide explanatory comment in Schedule 14b (Explanatory Notes on Transitional Financial information) on the tax effect of temporary differences disclosed in part 5h(vii) of this schedule.

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 **Regulatory Asset Base Value**

8 **5h(i): Establishment of Initial Regulatory Asset Base Value**

			Unallocated Initial RAB ($000)	($000)
11		2009 disclosed assets - 'Total Regulatory Asset Base Value (Excluding FDC)' as of 31 March 2009		129,608
13		2009 modified asset values (adjusted for results of asset adjustment process)		135,569
14		Adjustment to reinstate 2009 modified asset values to unallocated amounts	-	
15		**Unallocated 2009 modified asset values**		135,569
17	*less*	*(to the extent included in row 13)*		
18		Assets not used to supply electricity distribution services	262	
19		Easement land	-	
20		Non-qualifying intangible assets	-	
21		Works under construction	1,501	
22		**Unallocated asset values excluded from unallocated 2009 modified asset values**		1,763
24	*plus*	FDC allowance of 2.45% (Network assets)		3,185
26		**Unallocated initial RAB values**		136,991

28 **5h(ii): Roll forward of Unallocated Regulatory Asset Base Value - 2010, 2011 and 2012**

			2010 ($000)	($000)	2011 ($000)	($000)	2012 ($000)	($000)
31		**Total opening RAB value**		136,991		138,005		137,586
33	*less*	**Total depreciation**		5,329		5,435		5,283
35	*plus*	**Total revaluations**		2,758		3,306		2,159
37	*plus*	Assets commissioned (other than below)	5,803		3,021		3,772	
38		Assets acquired from a regulated supplier	-		-		-	
39		Assets acquired from a related party	-		-		-	
40		**Assets commissioned**		5,803		3,021		3,772
42	*less*	Asset disposals (other than below)	1,115		1,311		151	
43		Assets disposed of to a regulated supplier	-		-		-	
44		Assets disposed of to a related party	-		-		-	
45		**Asset disposals**		1,115		1,311		151
47	*plus*	Lost and found assets adjustment		(1,103)		-		-
49		**Total closing RAB value**		138,005		137,586		138,083

58 **5h(iii): Calculation of Revaluation Rate and Indexed Revaluation**

($000 unless otherwise specified)

			2010	2011	2012
60		CPI at CPI reference date—preceding disclosure year	1,097	1,119	1,146
61		CPI at CPI reference date—current disclosure year	1,119	1,146	1,164
63		Revaluation rate (%)	2.05%	2.42%	1.57%
66		Total opening RAB value	136,991	138,005	137,586
67	*less*	Opening RAB value of fully depreciated, disposed and lost assets	2,218	1,311	151
69		Total opening RAB value subject to revaluation	134,773	136,694	137,435
70		**Total revaluations**	2,758	3,306	2,159

72 **5h(iv): Works Under Construction**

			Unallocated works under construction		Allocated works under construction	
74		**Works under construction—year ended 2009**	1,501		1,501	
75	*plus*	Capital expenditure—year ended 2010	6,520		6,520	
76	*less*	Assets commissioned—year ended 2010	5,803		5,803	
77	*plus*	Adjustment resulting from asset allocation—year ended 2010			-	
78		**Works under construction—year ended 2010**		2,218		2,218
79	*plus*	Capital expenditure—year ended 2011	5,793		5,793	
80	*less*	Assets commissioned—year ended 2011	3,021		3,021	
81	*plus*	Adjustment resulting from asset allocation—year ended 2011			-	
82		**Works under construction—year ended 2011**		4,990		4,990
83	*plus*	Capital expenditure—year ended 2012	6,891		6,891	
84	*less*	Assets commissioned—year ended 2012	3,772		3,772	
85	*plus*	Adjustment resulting from asset allocation—year ended 2012			-	
86		**Works under construction—year ended 2012**		8,109		8,109

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

SCHEDULE 5h: REPORT ON TRANSITIONAL FINANCIAL INFORMATION

This schedule requires information on:
- the calculation of the initial RAB value for the EDB, as of 31 March 2009;
- how the initial RAB value has been rolled forward to 31 March 2012;
- a summary of revaluations,
- the value of works under construction, and
- regulatory tax.

EDBs must complete this schedule in relation to the year ending 31 March 2012, and at that time must provide explanatory comment in Schedule 14b (Explanatory Notes on Transitional Financial Information) on the tax effect of temporary differences disclosed in part 5h(vii) of this schedule.

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)		
88					
89	**5h(v): Initial Difference in Asset Values and Amortisation**		2010		
90		Sum of initial RAB values	136,991		
91		Sum of regulatory tax asset values	39,922		
92		**Sum of initial differences in asset values**	97,069		
93					
94			2010	2011	2012
95		Opening unamortised initial differences in asset values	97,069	94,612	92,343
96	*less*	Amortisation of initial difference in asset values	3,248	3,165	3,089
97		Adjustment for unamortised initial differences in assets acquired	-	-	-
98		Adjustment for unamortised initial differences in assets disposed	790	897	105
99		**Closing unamortised initial differences in asset values**	94,612	92,343	89,359
100					
101		Weighted average remaining asset life (years)	30	30	30
109	**5h(vi): Reconciliation of Tax Losses (EDB Business)**		2010	2011	2012
110		Opening tax losses		-	-
111	*plus*	Current period tax losses	-	-	-
112	*less*	Utilised tax losses		-	-
113		**Closing tax losses**	-	-	-
114					
115	**5h(vii): Calculation of Deferred Tax Balance**		2010	2011	2012
116		Opening deferred tax		(855)	(1,716)
117					
118	*plus*	Tax effect of adjusted depreciation	1,511	1,564	1,397
119					
120	*plus*	Tax effect of total tax depreciation	(1,140)	(1,195)	(1,071)
121					
122	*plus*	Tax effect of other temporary differences *	45	8	33
123					
124	*less*	Tax effect of amortisation of initial differences in asset values	974	950	865
125					
126	*plus*	Deferred tax balance relating to (assets acquired in the disclosure year less assets disposed)	(296)	(288)	(34)
127					
128	*plus*	Deferred tax cost allocation adjustment	-	-	-
129					
130		**Closing deferred tax**	(855)	(1,716)	(2,256)
131	**5h(viii): Disclosure of Temporary Differences**				
		In Schedule 14, provide descriptions and workings of items recorded in the asterisked category in Schedule 5h(vii) (Tax effect of other temporary differences).			
132				($000)	
133	**5h(ix): Regulatory Tax Asset Base Roll-Forward**		2010	2011	2012
134		Sum of unallocated initial RAB values	136,991		
135		Sum of adjusted tax values	39,922		
136		Sum of tax asset values	39,922		
137		Result of asset allocation ratio	1		
138		**Opening Sum of regulatory tax asset values**	39,922	40,696	39,382
139	*less*	Regulatory tax depreciation	3,799	3,984	3,826
140	*plus*	Regulatory tax asset value of assets commissioned	5,803	3,021	3,772
141	*less*	Regulatory tax asset value of asset disposals	127	351	28
142	*plus*	Lost and found assets adjustment	(1,103)	-	-
143	*plus*	Other adjustments to the RAB tax value	-	-	-
144		**Closing sum of regulatory tax asset values**	40,696	39,382	39,300

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

SCHEDULE 5i: REPORT ON INITIAL RAB ADJUSTMENT

Under clause 2.2.1 of the IM determination an EDB may undertake an asset adjustment process in setting their initial RAB.
If the EDB has adjusted its RAB in accordance with clause 2.2.1 of the IM determination, it must complete this schedule when disclosing information relating to the year ending 31 March 2013.

sch ref

7 **Summary of Engineer's Valuation Adjustments (at time asset enters regulatory asset register)**

sch ref	Asset adjustment process - adjustments	2004 * ($000)	2005 ($000)	2006 ($000)	2007 ($000)	2008 ($000)	2009 ($000)
11	Include load control relays						-
12	**Correct asset register errors for 2004 ODV assets**						
13	Surge arrestors	283					
14							
15							
16		283					
17	**Correct asset register errors for 2005 – 2009 assets**						
18							
19							
20							
21							
22	**Re-apply an existing multiplier to 2004 ODV assets**						
23		-					
24		-					
25		-					
26		-					
27	**Re-apply a modified multiplier to 2004 ODV assets**						
28	Rocky ground	2,836					
29	Business district	1,349					
30							
31		4,185					
32	**Re-apply optimisation or EV tests to 2004 ODV assets**						
33		-					
34		-					
35		-					
36		-					
37							
38	**Total value of adjustments by disclosure year**	4,468	-	-	-	-	-

39 ** Includes assets which first entered the regulatory asset register in a disclosure year prior to 2004.*

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

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		87
10		Asset replacement and renewal		3,848
11		Asset relocations		422
12		Reliability, safety and environment:		
13		Quality of supply	281	
14		Legislative and regulatory	-	
15		Other reliability, safety and environment	1,067	
16		**Total reliability, safety and environment**		1,348
17		**Expenditure on network assets**		5,705
18		Non-network assets		729
19				
20		**Expenditure on assets**		6,434
21	*plus*	Cost of financing		-
22	*less*	Value of capital contributions		-
23	*plus*	Value of vested assets		62
24				
25		**Capital expenditure**		6,496

sch ref			($000)
26	**6a(ii): Subcomponents of Expenditure on Assets (where known)**		
27		Energy efficiency and demand side management, reduction of energy losses	n/a
28		Overhead to underground conversion	21
29		Research and development	n/a

sch ref			($000)	($000)
30	**6a(iii): Consumer Connection**			
31		*Consumer types defined by EDB**		
32			n/a	
33				
34				
35				
36				
37		** include additional rows if needed*		
38		**Consumer connection expenditure**		-
39				
40	*less*	Capital contributions funding consumer connection expenditure	-	
41		**Consumer connection less capital contributions**		-

sch ref			System Growth ($000)	Asset Replacement and Renewal ($000)
42	**6a(iv): System Growth and Asset Replacement and Renewal**			
43				
44				
45		Subtransmission	-	64
46		Zone substations	81	223
47		Distribution and LV lines	-	884
48		Distribution and LV cables	-	779
49		Distribution substations and transformers	-	1,504
50		Distribution switchgear	6	395
51		Other network assets	-	-
52		**System growth and asset replacement and renewal expenditure**	87	3,848
53	*less*	Capital contributions funding system growth and asset replacement and renewal	-	-
54		**System growth and asset replacement and renewal less capital contributions**	87	3,848
55				

sch ref			($000)	($000)
56	**6a(v): Asset Relocations**			
57		*Project or programme**		
58		Heights Road - line	404	
59		Tilley Rd - Line	17	
60				
61				
62				
63		** include additional rows if needed*		
64		All other asset relocations projects or programmes	1	
65		**Asset relocations expenditure**		422
66	*less*	Capital contributions funding asset relocations	-	
67		**Asset relocations less capital contributions**		422

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

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)
	33kV cable Shannon - Mangahao	257	
	Motorise ABS A136	12	
	Replace ABS B4	6	
	Replace ABS B2	6	
	** include additional rows if needed*		
	All other quality of supply projects or programmes	-	
	Quality of supply expenditure		281
less	Capital contributions funding quality of supply	-	
	Quality of supply less capital contributions		281

6a(vii): Legislative and Regulatory

	*Project or programme**	($000)	($000)
		n/a	
	** include additional rows if needed*		
	All other legislative and regulatory projects or programmes	-	
	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)
	ABS poletop DNP3 conversions	101	
	Ugrade Main Radio backbone	85	
	SCADA Software Upgrade to DNP3	159	
	** include additional rows if needed*		
	All other reliability, safety and environment projects or programmes	722	
	Other reliability, safety and environment expenditure		1,067
less	Capital contributions funding other reliability, safety and environment	-	
	Other reliability, safety and environment less capital contributions		1,067

6a(ix): Non-Network Assets

Routine expenditure

	*Project or programme**	($000)	($000)
		n/a	
	** include additional rows if needed*		
	All other routine expenditure projects or programmes	729	
	Routine expenditure		729

Atypical expenditure

	*Project or programme**	($000)	($000)
		n/a	
	** include additional rows if needed*		
	All other atypical expenditure projects or programmes		
	Atypical expenditure		-
	Non-network assets expenditure		729

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

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	1,189	
9	Vegetation management	927	
10	Routine and corrective maintenance and inspection	620	
11	Asset replacement and renewal	409	
12	**Network opex**		3,145
13	System operations and network support	1,015	
14	Business support	4,353	
15	**Non-network opex**		5,368
16			
17	**Operational expenditure**		8,513
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		411
23	** Direct billing expenditure by suppliers that directly bill the majority of their consumers*		

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

sch ref

7	**7(i): Revenue**	**Target ($000) [1]**	**Actual ($000)**	**% variance**
8	Line charge revenue	34,368	33,923	(1%)
9	**7(ii): Expenditure on Assets**	**Forecast ($000) [2]**	**Actual ($000)**	**% variance**
10	Consumer connection	50	-	(100%)
11	System growth	255	87	(66%)
12	Asset replacement and renewal	3,934	3,848	(2%)
13	Asset relocations	450	422	(6%)
14	Reliability, safety and environment:			
15	Quality of supply	3,130	281	(91%)
16	Legislative and regulatory	-	-	-
17	Other reliability, safety and environment	-	1,067	-
18	**Total reliability, safety and environment**	3,130	1,348	(57%)
19	**Expenditure on network assets**	7,819	5,705	(27%)
20	Non-network capex	97	729	651%
21	**Expenditure on assets**	7,916	6,434	(19%)
22	**7(iii): Operational Expenditure**			
23	Service interruptions and emergencies	1,490	1,189	(20%)
24	Vegetation management	1,200	927	(23%)
25	Routine and corrective maintenance and inspection	1,015	620	(39%)
26	Asset replacement and renewal	1,070	409	(62%)
27	**Network opex**	4,775	3,145	(34%)
28	System operations and network support	1,138	1,015	(11%)
29	Business support	3,202	4,353	36%
30	**Non-network opex**	4,340	5,368	24%
31	**Operational expenditure**	9,115	8,513	(7%)
32	**7(iv): Subcomponents of Expenditure on Assets (where known)**			
33	Energy efficiency and demand side management, reduction of energy losses	n/a	n/a	#VALUE!
34	Overhead to underground conversion	-	21	-
35	Research and development	n/a	n/a	#VALUE!
36				
37	**7(v): Subcomponents of Operational Expenditure (where known)**			
38	Energy efficiency and demand side management, reduction of energy losses	n/a	n/a	#VALUE!
39	Direct billing	n/a	n/a	#VALUE!
40	Research and development	n/a	n/a	#VALUE!
41	Insurance	345	411	19%
42				

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

44 *2 From the nominal dollar expenditure forecast and disclosed in the second to last AMP as the year CY+1 forecast*

Company Name	Electra Limited
For Year Ended	31 March 2013
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)
Anytime/PayGo	All	Standard	36,791	199,802
Managed Saver	All	Standard	23,390	54,959
Combined	All	Standard	3,281	23,376
Super Thrifty	All	Standard	651	1,703
Thrifty	All	Standard	2,003	4,085
Triple Saver - Night	All	Standard	697	27,902
Triple Saver - off Peak	All	Standard	729	40,331
Triple Saver - Peak	All	Standard	707	40,936
Night /Day - Night	All	Standard	1,537	4,643
Night /Day - Day	All	Standard	1,537	7,705
Streetlighting	All	Standard	2	3,168
Community Lighting	All	Standard	-	483
Supply Charge	All	Standard	41,550	-
Add extra rows for additional consumer groups or price category codes as necessary				
		Standard consumer totals	112,875	409,093
		Non-standard consumer totals	-	-
		Total for all consumers	112,875	409,093

Billed quantities by price component

Price component	Supply Charge - Network	Supply Charge - Transmission	Unit Charge - Network	Unit Charge - Transmission	Maintenance	Fixed	Pole Charge
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Day	Day	KW of demand	KW of demand	per fitting	per annum	per annum
	-	-	199,802	199,802	-	-	-
	-	-	54,959	54,959	-	-	-
	-	-	23,376	23,376	-	-	-
	-	-	1,703	1,703	-	-	-
	-	-	4,085	4,085	-	-	-
	-	-	27,902	27,902	-	-	-
	-	-	40,331	40,331	-	-	-
	-	-	40,936	40,936	-	-	-
	-	-	4,643	4,643	-	-	-
	-	-	7,705	7,705	-	-	-
	-	-	3,168	3,168		2	3,257
	-	-	483	483	237	-	-
	365	365	-	-	-	-	-
	365	365	409,093	409,093	237	2	3,257
	-	-	-	-	-	-	-
	365	365	409,093	409,093		2	3,257

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

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)
Anytime/PayGo	All	Standard	$20,690	-	$16,550	$4,140
Managed Saver	All	Standard	$1,880	-	$1,275	$605
Combined	All	Standard	$1,870	-	$1,473	$397
Super Thrifty	All	Standard	$16	-	$13	$4
Thrifty	All	Standard	$47	-	$38	$9
Triple Saver - Night	All	Standard	$268	-	$209	$59
Triple Saver - off Peak	All	Standard	$956	-	$512	$444
Triple Saver - Peak	All	Standard	$4,536	-	$3,676	$860
Night /Day - Night	All	Standard	$52	-	$42	$10
Night /Day - Day	All	Standard	$835	-	$673	$162
Streetlighting	All	Standard	$376	-	$310	$66
Community Lighting	All	Standard	$78	-	$61	$17
Supply Charge	All	Standard	$2,320	-	$773	$1,547
Add extra rows for additional consumer groups or price category codes as necessary						
		Standard consumer totals	$33,923	-	25,606	8,317
		Non-standard consumer totals	-	-	-	-
		Total for all consumers	$33,923	-	$25,606	$8,317

Check OK

Line charge revenues by price component

Price component	Supply Charge - Network	Supply Charge - Transmission	Unit Charge - Network	Unit Charge - Transmission	Maintenance	Fixed	Pole Charge
Rate (eg, $/day, $/kWh, etc.)	$/day	$/day	$/kWH	$/kWH	$/per fitting	$/per annum	$/per annum
	-	-	$16,550	$4,140	-	-	-
	-	-	$1,275	$605	-	-	-
	-	-	$1,473	$397	-	-	-
	-	-	$13	$4	-	-	-
	-	-	$38	$9	-	-	-
	-	-	$209	$59	-	-	-
	-	-	$512	$444	-	-	-
	-	-	$3,676	$860	-	-	-
	-	-	$42	$10	-	-	-
	-	-	$673	$162	-	-	-
	-	-	$183	$66	-	$66	$62
	-	-	$60	$17	$1	-	-
	$773	$1,547	-	-	-	-	-
	773	1,547	24,704	6,770	1	66	62
	-	-	-	-	-	-	-
	$773	$1,547	$24,704	$6,770		$66	$62

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

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**
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.	19,955	20,090	135	4
10	All	Overhead Line	Wood poles	No.	1,524	1,426	(98)	4
11	All	Overhead Line	Other pole types	No.	-	-	-	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	164	152	(12)	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	21	21	-	4
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	-	-	-	N/A
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.	10	10	-	N/A
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.	68	68	-	4
29	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	26	26	-	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	27	27	-	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	80	80	-	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.	19	19	-	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	915	865	(50)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
37	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	83	98	15	4
39	HV	Distribution Cable	Distribution UG PILC	km	121	121	-	4
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.	31	31	-	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	N/A
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,036	3,055	19	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	N/A
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	94	107	13	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	1,590	1,592	2	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	891	898	7	4
48	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	N/A
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
50	LV	LV Line	LV OH Conductor	km	552	536	(16)	4
51	LV	LV Cable	LV UG Cable	km	728	471	(257)	4
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	66	66	-	3
53	LV	Connections	OH/UG consumer service connections	No.	42,595	42,810	215	3
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	151	151	-	3
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	2	2	-	4
58	All	Load Control	Relays	No	1,832	1,836	4	2
59	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name	Electra Limited
For Year Ended	31 March 2013
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 2013

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	No. with Age unknown	Total assets at year end	No. with default dates	Data accuracy (1-4)
10	All	Overhead Line	Concrete poles / steel structure	No.		19	1,438	6,064	4,751	4,291	323	23	23	73	67	108	118	143	124	157	156	116	398	135						1,563	20,090		3
11	All	Overhead Line	Wood poles	No.		95	124			1	312																			894	1,426		2
12	All	Overhead Line	Other pole types	No.																											-		N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km		27			73	10	30		4				8														152		4
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km																											-		N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km						1	13			6	1																21		4
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																											-		N/A
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.					2	3	3			1								1									10		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.				2	12	17	27										3		7								68		3
30	HV	Zone substation switchgear	33kV RMU	No.																											-		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.							11			5								10									26		4
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.					5	8	7				1		4														27		4
33	HV	Zone substation switchgear	3 3/6.6/11/22kV CB (ground mounted)	No.					12	8	34			7	7		1			1		10									80		4
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.																											-		N/A
45	HV	Zone Substation Transformer	Zone Substation Transformers	No.				1	8	1	2	1		1	1	2							2								19		3
46	HV	Distribution Line	Distribution OH Open Wire Conductor	km		17	74	198	220	231	61	1	6	8	5	5	2	5	6	2	4	7	2	11							865		3
47	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km																											-		N/A
48	HV	Distribution Line	SWER conductor	km																											-		N/A
49	HV	Distribution Cable	Distribution UG XLPE or PVC	km					1	3	22	8	8	7	6	8	4	4	10	10	2	3	1	1							98		3
50	HV	Distribution Cable	Distribution UG PILC	km				18	49	51	3																				121		3
51	HV	Distribution Cable	Distribution Submarine Cable	km																											-		N/A
52	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.					1	3	10	5	4	2		1				1	2	1		1							31		4
53	HV	Distribution switchgear	3.3/6.6/11/22kV CB (indoor)	No.																											-		N/A
54	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3	11	50	238	498	507	339	76	61	99	93	104	103	106	132	153	156	108	114	102							3,055		4
55	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.																											-		N/A
56	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.					9	23	10	3	3	7	1	-	1	6	2	9	5	7	12	9							107		4
57	HV	Distribution Transformer	Pole Mounted Transformer	No.	5	6	46	317	275	304	204	51	34	34	45	36	33	42	42	63	104	64	65	22							1,592		4
58	HV	Distribution Transformer	Ground Mounted Transformer	No.		4	3	38	171	166	89	16	21	31	20	37	53	30	42	83	23	17	27	27							898		4
59	HV	Distribution Transformer	Voltage regulators	No.																											-		N/A
60	HV	Distribution Substations	Ground Mounted Substation Housing	No.																											-		N/A
61	LV	LV Line	LV OH Conductor	km		60	71	179	115	78	21	-	7	1	-	-	-	1	-	1	1	-	-	1							536		3
62	LV	LV Cable	LV UG Cable	km				29	91	78	67	10	9	18	19	26	23	17	24	26	14	8	8	4							471		3
63	LV	LV Street lighting	LV OH/UG Streetlight circuit	km															1	-	-	-	-	-						65	66		2
64	LV	Connections	OH/UG consumer service connections	No.								1,405	651	698	743	721	699	682	678	515	362	374	353	240						34,685	42,810		3
65	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.					6	8	16				12	7						18	3	4							74		3
66	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot																											-		[Select one]
67	All	Capacitor Banks	Capacitors including controls	No																											-		N/A
68	All	Load Control	Centralised plant	Lot							1											1									2		4
69	All	Load Control	Relays	No																											-		[Select one]
70	All	Civils	Cable Tunnels	km																											-		N/A

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**
Network / Sub-network Name	**Electra**

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

sch ref		Overhead (km)	Underground (km)	Total circuit length (km)
9				
10	**Circuit length by operating voltage (at year end)**			
11	> 66kV	-	-	-
12	50kV & 66kV	-	-	-
13	33kV	152	21	173
14	SWER (all SWER voltages)	-	-	-
15	22kV (other than SWER)	-	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	857	219	1,076
17	Low voltage (< 1kV)	536	471	1,007
18	**Total circuit length (for supply)**	1,545	711	2,256
19				
20	Dedicated street lighting circuit length (km)	15	51	66
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			15
22				

sch ref		Circuit length (km)	(% of total overhead length)
23	**Overhead circuit length by terrain (at year end)**		
24	Urban	451	29%
25	Rural	479	31%
26	Remote only	-	-
27	Rugged only	615	40%
28	Remote and rugged	-	-
29	Unallocated overhead lines	-	-
30	**Total overhead length**	1,545	100%
31			

sch ref		Circuit length (km)	(% of total circuit length)
32			
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,870	83%

sch ref		Circuit length (km)	(% of total overhead length)
34			
35	Overhead circuit requiring vegetation management	1,545	100%

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**

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	N/A		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

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

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**
Network / Sub-network Name	**Electra**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

8 **9e(i): Consumer Connections**

9 *Number of ICPs connected in year by consumer type*

	Consumer types defined by EDB*	Number of connections (ICPs)
10		
11	All	42,810
12		
13		
14		
15		
16	** include additional rows if needed*	
17	**Connections total**	42,810

18

19 **Distributed generation**

20	Number of connections made in year	10	**connections**
21	Capacity of distributed generation installed in year	0	**MVA**

22 **9e(ii): System Demand**

23

24

			Demand at time of maximum coincident demand (MW)
25	**Maximum coincident system demand**		
26		GXP demand	93
27	*plus*	Distributed generation output at HV and above	-
28		**Maximum coincident system demand**	93
29	*less*	Net transfers to (from) other EDBs at HV and above	-
30		**Demand on system for supply to consumers' connection points**	93

			Energy (GWh)	Energy (GWh)
31	**Electricity volumes carried**			
32		Electricity supplied from GXPs	442	
33	*less*	Electricity exports to GXPs	-	
34	*plus*	Electricity supplied from distributed generation	-	
35	*less*	Net electricity supplied to (from) other EDBs	-	
36		**Electricity entering system for supply to consumers' connection points**	442	
37	*less*	Total energy delivered to ICPs	409	
38		**Electricity losses (loss ratio)**	33	7.4%

39

40	**Load factor**	1

41 **9e(iii): Transformer Capacity**

		(MVA)
42		
43	Distribution transformer capacity (EDB owned)	310
44	Distribution transformer capacity (Non-EDB owned)	13
45	**Total distribution transformer capacity**	323

46

47	**Zone substation transformer capacity**	352

Company Name	**Electra Limited**
For Year Ended	**31 March 2013**
Network / Sub-network Name	**Electra**

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8 **10(i): Interruptions**

sch ref	Interruptions by class	Number of interruptions
9		
10	Class A (planned interruptions by Transpower)	-
11	Class B (planned interruptions on the network)	41
12	Class C (unplanned interruptions on the network)	84
13	Class D (unplanned interruptions by Transpower)	-
14	Class E (unplanned interruptions of EDB owned generation)	-
15	Class F (unplanned interruptions of generation owned by others)	-
16	Class G (unplanned interruptions caused by another disclosing entity)	-
17	Class H (planned interruptions caused by another disclosing entity)	-
18	Class I (interruptions caused by parties not included above)	-
19	Total	125

sch ref	Interruption restoration	≤3Hrs	>3hrs
21			
22	Class C interruptions restored within	71	13

sch ref	SAIFI and SAIDI by class	SAIFI	SAIDI
23			
24			
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.02	7.9
27	Class C (unplanned interruptions on the network)	0.91	50.1
28	Class D (unplanned interruptions by Transpower)	-	-
29	Class E (unplanned interruptions of EDB owned generation)	-	-
30	Class F (unplanned interruptions of generation owned by others)	-	-
31	Class G (unplanned interruptions caused by another disclosing entity)	-	-
32	Class H (planned interruptions caused by another disclosing entity)	-	-
33	Class I (interruptions caused by parties not included above)	-	-
34	Total	0.93	58.0

sch ref	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
35			
36			
37	Classes B & C (interruptions on the network)	0.93	58.0

sch ref	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
38			
39			
40	SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A
41	** not applicable to exempt EDBs*		

42 **10(ii): Class C Interruptions and Duration by Cause**

sch ref	Cause	SAIFI	SAIDI
43			
44			
45	Lightning	0.01	0.1
46	Vegetation	0.08	4.5
47	Adverse weather	0.21	9.5
48	Adverse environment	-	-
49	Third party interference	0.09	13.7
50	Wildlife	-	-
51	Human error	0.02	0.1
52	Defective equipment	0.32	17.5
53	Cause unknown	0.17	4.6

62 **10(iii): Class B Interruptions and Duration by Main Equipment Involved**

sch ref	Main equipment involved	SAIFI	SAIDI
63			
64			
65	Subtransmission lines	-	-
66	Subtransmission cables	-	-
67	Subtransmission other	-	-
68	Distribution lines (excluding LV)	0.02	6.9
69	Distribution cables (excluding LV)	0.00	0.1
70	Distribution other (excluding LV)	0.00	0.9

71 **10(iv): Class C Interruptions and Duration by Main Equipment Involved**

sch ref	Main equipment involved	SAIFI	SAIDI
72			
73			
74	Subtransmission lines	0.02	7.9
75	Subtransmission cables	-	-
76	Subtransmission other	-	-
77	Distribution lines (excluding LV)	0.58	32.8
78	Distribution cables (excluding LV)	0.13	7.1
79	Distribution other (excluding LV)	0.18	10.2

80 **10(v): Fault Rate**

sch ref	Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
81				
82	Subtransmission lines	2	152	1.32
83	Subtransmission cables	-	21	-
84	Subtransmission other	-		
85	Distribution lines (excluding LV)	69	857	8.05
86	Distribution cables (excluding LV)	7	219	3.20
87	Distribution other (excluding LV)	-		
88	Total	78		