COMMERCE COMMISSION NEW ZEALAND				
Informa	Disclosure Requirements tion Templates for edules 1–10			
Sen				
Company Name Disclosure Date Disclosure Year (year ended)	Electra Limited 26 August 2016 31 March 2016			
Templates for Schedules 1–10 excluding 5f–5g Template Version 4.1. Prepared 24 March 2015				

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#### **Disclosure Template Instructions**

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

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

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8, the date of the last day of the current (disclosure) year should be entered in cell C12, and the date on which the information is disclosed should be entered in cell C10 of the CoverSheet worksheet. The cell C12 entry (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For year ended' date in the template title blocks are the light green shaded areas at the top of each template).

The cell C8 entry (company name) is used in the template title blocks. Dates should be entered in day/month/year order (Example -"1 April 2013").

#### Data Entry Cells and Calculated Cells

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

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

#### Validation Settings on Data Entry Cells

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

#### Conditional Formatting Settings on Data Entry Cells

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

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

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

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

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

#### Inserting Additional Rows and Columns

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

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

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

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

#### Disclosures by Sub-Network

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

#### Schedule References

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

#### Description of Calculation References

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

#### Worksheet Completion Sequence

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

1. Coversheet

2. Schedules 5a–5e 3. Schedules 6a–6b

4. Schedule 8

5. Schedule 3

6. Schedule 4

7. Schedule 2

8. Schedule 7

9. Schedules 9a–9e

10. Schedule 10

			Company Name For Year Ended		Electra Limite	
			Tor Tear Ended			· · · · · · · · · · · · · · · · · · ·
SCI	HEDULE 1: ANALYTICAL RATIOS					
	schedule calculates expenditure, revenue and service ratios from the informat					
	be interpreted with care. The Commerce Commission will publish a summary	· ·				This will include
	mation disclosed in accordance with this and other schedules, and information information is part of audited disclosure information (as defined in section 1.4					section 2.8.
ch ref						
7	1(i): Expenditure metrics					
		Companditions and	Fundaditure and	Expenditure per MW maximum		Expenditure per MV of capacity from ED
		Expenditure per GWh energy	Expenditure per average no. of	coincident system	Expenditure per	owned distributio
		delivered to ICPs	ICPs	demand	km circuit length	transformers
8		(\$/GWh)	(\$/ICP)	(\$/MW)	(\$/km)	(\$/MVA)
9	Operational expenditure	25,825	239	98,692	4,684	33,51
10	Network	11,953	111	45,680	2,168	15,51
11	Non-network	13,872	128	53,012	2,516	18,00
12						
13	Expenditure on assets	35,016	324	133,817	6,351	45,44
14	Network	33,090 1,926	306 18	126,457	6,002 349	42,94
15 16	Non-network	1,920	18	7,360	349	2,49
17	1(ii): Revenue metrics					
.,	_().		_			
		Revenue per GWh energy delivered	Revenue per average no. of			
		to ICPs	ICPs			
18		(\$/GWh)	(\$/ICP)			
19	Total consumer line charge revenue	97,448	902			
20	Standard consumer line charge revenue	97,448	902			
21	Non-standard consumer line charge revenue	-	-			
22	1/iii). Consiss intensity measures					
23 24	1(iii): Service intensity measures					
24	Demand density	47	Maximum coincid	lent system deman	d ner km of circuit le	ength (for supply) (kW
26	Volume density	181				or supply) (MWh/km)
27	Connection point density	20		of ICPs per km of cir		
28	Energy intensity	9,256	-	ered to ICPs per ave		
29						
30	1(iv): Composition of regulatory income					
31			(\$000)	% of revenue		
32	Operational expenditure		10,567	26.76%		
33	Pass-through and recoverable costs excluding financial incention	ives and wash-ups	9,803	24.82%		
34	Total depreciation		5,631	14.26%		
35 36	Total revaluations		855 1,938	2.17%		
36 37	Regulatory tax allowance Regulatory profit/(loss) including financial incentives and wasl	h-1105	1,938	4.91%		
38	Total regulatory income	ups	39,490	51.42%		
39	. otal regulatory medine		55,450			
40	1(v): Reliability					
41						

	Compa	ny Name	Electra Limited	
	For Yes	ar Ended	31 March 2016	
SCH	HEDULE 2: REPORT ON RETURN ON INVESTMENT			
calcul must EDBs This i	schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Comm late their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. be provided in 2(iii). must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes). normation is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so	If an EDB makes this election,	information supporting	g this calculation
h ref				
7 8	2(i): Return on Investment	CY-2 31 Mar 14	CY-1 31 Mar 15	Current Year CY 31 Mar 16
9	ROI – comparable to a post tax WACC	%	%	%
10	Reflecting all revenue earned	8.049		7.889
11	Excluding revenue earned from financial incentives	8.049		7.889
12	Excluding revenue earned from financial incentives and wash-ups	8.049	6.68%	7.889
13 14	Mid-point estimate of post tax WACC	5.439	6.10%	5.37%
14 15	25th percentile estimate	4.719		4.669
15 16	75th percentile estimate	6.149		6.09%
17	/ Striperentic estimate	0.14	0.0270	0.037
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	8.739	6 7.47%	8.53%
21	Excluding revenue earned from financial incentives	8.739	6 7.47%	8.53%
22	Excluding revenue earned from financial incentives and wash-ups	8.73	6 7.47%	8.53%
23				
24	WACC rate used to set regulatory price path			
25			(	
26	Mid-point estimate of vanilla WACC	6.119		6.02%
27	25th percentile estimate	5.399		5.30%
28 29	75th percentile estimate	6.835	6 7.60%	6.74%
30 31	2(ii): Information Supporting the ROI		(\$000)	
32	Total opening RAB value	146,67	1	
33	plus Opening deferred tax	(4,07		
34	Opening RIV		142,597	
35				
36	Line charge revenue		39,874	
37			-	
38	Expenses cash outflow	20,37		
39	add Assets commissioned	17,14		
40	less Asset disposals	1,00		
41 42	add Tax payments less Other regulated income	1,24		
42 43	Mid-year net cash outflows	(38	38,143	
44			50,145	
45	Term credit spread differential allowance		-	
46				
47	Total closing RAB value	158,03	9	
48	less Adjustment resulting from asset allocation		D)	
49	less Lost and found assets adjustment			
50	plus Closing deferred tax	(4,76	6)	
51	Closing RIV		153,273	
52				
	ROI – comparable to a vanilla WACC			8.53%
53				
53 54	Leverage (%)			44%
53 54 55				5.26%
53 54 55 56	Cost of debt assumption (%)			
53 54 55 56 57				
53 54 55 56	Cost of debt assumption (%)			28%

				Company Name		Electra Limited	
				For Year Ended		31 March 2016	
This calco mus EDB	HEDULE 2: REPORT ON RETURN schedule requires information on the Return on Inv ulate their ROI based on a monthly basis if required t be provided in 2(iii). s must provide explanatory comment on their ROI in information is part of audited disclosure informatio	restment (ROI) for the EDE by clause 2.3.3 of the ID E n Schedule 14 (Mandatory	B relative to the Commer Determination or if they e Explanatory Notes).	elect to. If an EDB ma	kes this election,	information supportin	g this calculation
sch rej 61 62	f 2(iii): Information Supporting the	Monthly ROI					
63 64	Opening RIV						N/A
65		Line charge	Expenses cash	Assets	Asset	Other regulated	Monthly net cash
66 67	April	revenue	outflow	commissioned	disposals	income	outflows -
68	May						-
69	June						-
70	July						-
71 72	August September					1	-
73	October						-
74	November						-
75	December						-
76	January						-
77 78	February March					-	-
78 79	Total	-	-	-	_	-	-
80							I
81 82	Tax payments						N/A
83 84	Term credit spread differential allow	vance					N/A
85 86 87	Closing RIV						N/A
88 89	Monthly ROI – comparable to a vanilla	WACC					N/A
90 91	Monthly ROI – comparable to a post ta	ax WACC					N/A
92 93	2(iv): Year-End ROI Rates for Com						
94 95	Year-end ROI – comparable to a vanilla						8.21%
96 97 98	Year-end ROI – comparable to a post to		n nre 2012 disclosures h	EDBs and do not ren	recent the Comm	iccion's current view o	7.56%
98 99 100	2(v): Financial Incentives and Wa		pre 2012 disclosures D	, 2003 and ao not rep	coche the confil	Sound current view 0	
101							
102	Net recoverable costs allowed under	•	tive scheme			-	
103 104	Purchased assets – avoided transmis Energy efficiency and demand incent	-					
104	Quality incentive adjustment						
106	Other financial incentives						
107	Financial incentives						-
108							
109	Impact of financial incentives on ROI						-
110 111	Input methodology claw-back						
112	Recoverable customised price-quality	y path costs					
113	Catastrophic event allowance						
114	Capex wash-up adjustment						
115	Transmission asset wash-up adjustm	ent					
116 117	2013–2015 NPV wash-up allowance Reconsideration event allowance						
117	Other wash-ups						
119	Wash-up costs						-
120							
121	Impact of wash-up costs on ROI						-

	Company Name	Electra Limited
	For Year Ended	31 March 2016
HEDU	E 3: REPORT ON REGULATORY PROFIT	
heir regula information	equires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete al tory profit in Schedule 14 (Mandatory Explanatory Notes). In is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the as	
f		
3(i):	Regulatory Profit	(\$000)
	Income	
	Line charge revenue	39,8
plu	Gains / (losses) on asset disposals	(9
	Other regulated income (other than gains / (losses) on asset disposals)	5
	Total regulatory income	39,49
	Expenses	
les		10,50
,65		10,5
les	Pass-through and recoverable costs excluding financial incentives and wash-ups	9,80
les	- russ through and recoverable costs excluding manual intentives and wash-ups	
	Operating surplus / (deficit)	19,12
	operating surplus / (dense)	19,14
les	5 Total depreciation	5,63
ies		5,63
plu	5 Total revaluations	85
ρια		8
	Regulatory profit / (loss) before tax	14,34
		14,54
les	5 Term credit spread differential allowance	
les	ienn Geur spread unterential allowance	
les	s Regulatory tax allowance	1,93
ies		1,93
	Regulatory profit/(loss) including financial incentives and wash-ups	12,40
	reperced brown from the monetal mention and masteria	12,40
2(11)	Deep through and Deepwarehie Contennel dies Financial Incentions of March 11	(4222)
3(11):	Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
	Pass through costs	
	Rates	103
	Commerce Act levies	-
	Industry levies	121
	CPP specified pass through costs	
	Recoverable costs excluding financial incentives and wash-ups	
	Electricity lines service charge payable to Transpower	7,784
	Transpower new investment contract charges	-
	System operator services	-
	Distributed generation allowance	-
	Extended reserves allowance	-
	Other recoverable costs excluding financial incentives and wash-ups	1,795
	Pass-through and recoverable costs excluding financial incentives and wash-ups	9,80

Company Name		
company wante	Electra Limited	
For Year Ended	31 March 2016	<b>i</b>
HEDULE 3: REPORT ON REGULATORY PROFIT		
eir regulatory profit in Schedule 14 (Mandatory Explanatory Notes).		
3(iii): Incremental Rolling Incentive Scheme	(\$	000)
	CY-1	CY
	31 Mar 15	31 Mar 16
Allowed controllable opex	n/a	n/a
Actual controllable opex	n/a	n/a
Incremental change in year		n/a
	Previous years' incremental change	Previous years' incremental change adjusted for inflation
CY-5 31 Mar 11	n/a	n/a
CY-4 31 Mar 12	n/a	n/a
CY-3 31 Mar 13	n/a	n/a
CY-2 31 Mar 14	n/a	n/a
	n/a	n/a
Net incremental rolling incentive scheme		-
Net sees wells easts allowed under incremental colling in easting scheme		1
Net recoverable costs allowed under incremental rolling incentive scheme		
3(iv): Merger and Acquisition Expenditure		
		(\$000)
Merger and acquisition expenditure		n/a
Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, includ with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)	ling required disclosure.	s in accordance
3(v): Other Disclosures		
		(\$000)
Self-insurance allowance		n/a
i	ter regulatory profit in Schedule 14 (Mandatory Explanatory Notes). Information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assure <b>3 (iii): Incremental Rolling Incentive Scheme</b> Allowed controllable opex Actual controllable opex Actual controllable opex Incremental change in year <u>Y</u> -5 <u>31 Mar 11</u> <u>Y</u> -4 <u>31 Mar 12</u> <u>Y</u> -3 <u>31 Mar 13</u> <u>Y</u> -2 <u>31 Mar 14</u> <u>Y</u> -1 <u>31 Mar 15</u> Net incremental rolling incentive scheme Net recoverable costs allowed under incremental rolling incentive scheme <b>3 (iv): Merger and Acquisition Expenditure</b> Merger and acquisition expenditure Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, include with section 2.7, in Schedule 14 (Mandatory Explanatory Notes) <b>3 (v): Other Disclosures</b>	Schedule requires information on the calculation of regulatory portif on the DB for the disclosure year. All DDs must complete all sections and provide provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 1.4 of the ID determination), and so is subject to the assurance report required provide in section 2.4 of the ID determination is provide in section 2.4 of the ID determination is provide in section 2.4 of the ID determination is provide in section 2.4 of the ID determination is provide in section 2.4 of the ID determination is provide in section 2.4 of the ID determination is provide in section 2.4 of the ID determination is provide in section 2.4 of the ID determination is provide in the section 2.4 of the ID determination is provide in the section 2.4 of the ID determination is provide in the section 2.4 of the ID determination is provide in the section 2.4 of the ID determination is provide in the section 2.4 of the ID determination is provide in the section 2.4 of the ID determination is provide in the section 2.4 of the ID determination is provide in the section 2.4 of the ID determination is provide in the section 2.4 of the ID determination

			Ca	ompany Name	E	Electra Limited	
			F	or Year Ended	8	31 March 2016	
SCI	HEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)			-			
	schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the F	OI 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 aud		s defined in section 1.4 o	f the ID determinat	ion), and so is subject	t to the assurance rep	port required by
section	on 2.8.						
ch ref	r						
7	4(i): Regulatory Asset Base Value (Rolled Forward)		RAB	RAB	RAB	RAB	RAB
8		for year ended	31 Mar 12	31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16
9			(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
10	Total opening RAB value		137,618	138,119	143,366	144,018	146,671
11 12	lass Tabal de secolation		5,283	5,245	5,715	5,657	5.624
12	less Total depreciation		5,283	5,245	5,715	5,657	5,631
14	plus Total revaluations		2,162	1,177	2,185	120	855
15			2,102	1,177	2,205	120	
16	plus Assets commissioned		3,772	10,316	4,538	8,624	17,143
17			· · · · ·				
18	less Asset disposals		151	1,001	356	434	1,000
19							
20	plus Lost and found assets adjustment		-	-	-	-	-
21			· · · · · ·		T		
22	plus Adjustment resulting from asset allocation		-	-	-	(0)	(0)
23			400.440	4 40 000			450.000
24 25	Total closing RAB value		138,119	143,366	144,018	146,671	158,039
25							
26	4(ii): Unallocated Regulatory Asset Base						
27	4(ii): Unallocated Regulatory Asset Base			Unallocate		RAI	
27 28				Unallocato (\$000)	(\$000)	RAI (\$000)	(\$000)
27 28 29	Total opening RAB value						
27 28 29 30	Total opening RAB value less				<b>(\$000)</b> 146,671		(\$000) 146,671
27 28 29 30 31	Total opening RAB value less Total depreciation				(\$000)		(\$000)
27 28 29 30 31 32	Total opening RAB value less Total depreciation plus				(\$000) 146,671 5,631		(\$000) 146,671 5,631
27 28 29 30 31 32 33	Total opening RAB value less Total depreciation plus Total revaluations				<b>(\$000)</b> 146,671		(\$000) 146,671
27 28 29 30 31 32 33 34	Total opening RAB value less Total depreciation plus Total revaluations plus			(\$000) [ [	(\$000) 146,671 5,631	(\$000) [ [	(\$000) 146,671 5,631
27 28 29 30 31 32 33	Total opening RAB value less Total depreciation plus Total revaluations		F		(\$000) 146,671 5,631		(\$000) 146,671 5,631
27 28 29 30 31 32 33 34 35	Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below)		-	(\$000) [ [	(\$000) 146,671 5,631	(\$000) [ [	(\$000) 146,671 5,631
27 28 29 30 31 32 33 34 35 36	Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier		Ē	(\$000) [ 	(\$000) 146,671 5,631	(\$000) [ 	(\$000) 146,671 5,631
27 28 29 30 31 32 33 34 35 36 37	Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Assets acquired from a related party		=	(\$000) [ 	(\$000) 146,671 5,631 855	(\$000) [ 	(\$000) 146,671 5,631 855
27 28 29 30 31 32 33 34 35 36 37 38 39 40	Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Assets acquired from a related party Assets commissioned less Asset disposals (other than below)		Ē	(\$000) [ 2,104  15,040 1,000	(\$000) 146,671 5,631 855	(\$000) [ 2,104 - 15,040 1,000	(\$000) 146,671 5,631 855
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets commissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a related party         Assets commissioned         less         Asset disposals (other than below)         Asset disposals to a regulated supplier		Ē	(\$000) [ 2,104 - 15,040 - 1,000 -	(\$000) 146,671 5,631 855	(\$000) [ 2,104 - 15,040 1,000 -	(\$000) 146,671 5,631 855
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets commissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a related party         Assets commissioned         less         Asset disposals to a regulated supplier		Ē	(\$000) [ 2,104  15,040 1,000	(\$000) 146,671 5,631 855 17,143	(\$000) [ 2,104 - 15,040 1,000	(\$000) 146,671 5,631 855 17,143
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets commissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a related party         Assets commissioned         less         Asset disposals (other than below)         Asset disposals to a regulated supplier			(\$000) [ 2,104 - 15,040 - 1,000 -	(\$000) 146,671 5,631 855	(\$000) [ 2,104 - 15,040 1,000 -	(\$000) 146,671 5,631 855
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets commissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a regulated party         Assets commissioned         less         Asset disposals (other than below)         Asset disposals to a regulated supplier         Asset disposals to a regulated party         Asset disposals to a regulated party			(\$000) [ 2,104 - 15,040 - 1,000 -	(\$000) 146,671 5,631 855 17,143 17,143	(\$000) [ 2,104 - 15,040 1,000 -	(\$000) 146,671 5,631 855 17,143 1,000
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets commissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a related party         Assets commissioned         less         Asset disposals to a regulated supplier			(\$000) [ 2,104 - 15,040 - 1,000 -	(\$000) 146,671 5,631 855 17,143	(\$000) [ 2,104 - 15,040 1,000 -	(\$000) 146,671 5,631 855 17,143
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets commissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a regulated party         Assets acquired from a regulated supplier         Assets acquired from a regulated supplier         Assets acquired from a regulated supplier         Asset disposals (other than below)         Asset disposals to a regulated supplier         Asset disposals to a regulated party         Asset disposals to a regulated supplier         Asset disposals to a regulated party         Asset disposals to a regulated party         Asset disposals to a regulated party			(\$000) [ 2,104 - 15,040 - 1,000 -	(\$000) 146,671 5,631 855 17,143 17,143	(\$000) [ 2,104 - 15,040 1,000 -	(5000) 146,671 5,631 855 17,143 1,000 
27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets commissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a regulated party         Assets commissioned         less         Asset disposals (other than below)         Asset disposals to a regulated supplier         Asset disposals to a regulated party         Asset disposals to a regulated supplier         Asset disposals to a regulated party			(\$000) [ 2,104 - 15,040 - 1,000 -	(\$000) 146,671 5,631 855 17,143 17,143	(\$000) [ 2,104 - 15,040 1,000 -	(\$000) 146,671 5,631 855 17,143 1,000
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets commissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a regulated party         Assets acquired from a regulated supplier         Assets acquired from a regulated supplier         Assets acquired from a regulated supplier         Asset disposals (other than below)         Asset disposals to a regulated supplier         Asset disposals to a regulated party         Asset disposals to a regulated party			(\$000) [ 2,104 - 15,040 - 1,000 -	(\$000) 146,671 5,631 855 17,143 1,000	(\$000) [ 2,104 - 15,040 1,000 -	(5000) 146,671 5,631 855 17,143 1,000 
27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets conumissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a regulated party         Assets acquired from a regulated supplier         Asset disposals (other than below)         Asset disposals to a regulated supplier         Asset disposals         plus       Lost and found assets adjustment         plus       Adjustment resulting from asset allocation         Total closing RAB value       Total closing RAB value			(\$000) [ 2,104 - 15,040 - 1,000 - - ( 1,000 - ( 1,000 - ( 1,000 ( 1,000) - ( 1,000)()()())()()()()()()()()()()()()()()	(\$000) 146,671 5,631 855 17,143 17,143 1,000 - 158,039	(\$000) [ 2,104 - 15,040 - 1,000 - - ( [ [ [ [ [ [ [ [ [ [ [ [ [	(5000) 146,671 5,631 855 17,143 1,000 - (0) 158,039
27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Total opening RAB value         less         Total depreciation         plus         Total revaluations         plus         Assets commissioned (other than below)         Assets acquired from a regulated supplier         Assets acquired from a related party         Assets commissioned         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	lowance being made for the a	llacation of costs to servi	(\$000) [ 2,104 - 15,040 - 1,000 - - ( 1,000 - ( 1,000 - ( 1,000 ( 1,000) - ( 1,000)()()())()()()()()()()()()()()()()()	(\$000) 146,671 5,631 855 17,143 17,143 1,000 - 158,039	(\$000) [ 2,104 - 15,040 - 1,000 - - ( [ [ [ [ [ [ [ [ [ [ [ [ [	(5000) 146,671 5,631 855 17,143 1,000 - (0) 158,039

		Company Name		Electra Limited	
		For Year Ended		31 March 2016	
SC	HEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)				
	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.				
	s 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	on 1.4 of the ID determina	tion), and so is subjec	t to the assurance re	eport required by
secti	tion 2.8.				
sch rej					
51	1				
51					
52	4(iii): Calculation of Revaluation Rate and Revaluation of Assets				
53					
54					1,200
55	CPI4 <sup>4</sup>				1,193
56	Revaluation rate (%)				0.59%
57					
58		Unallocat		RA	
59		(\$000)	(\$000)	(\$000)	(\$000)
60		146,671		146,671	
61		907	l	907	J
62 63		145,764	1	145,764	1
64		143,704	855	143,704	855
65			000		855
66	4(iv): Roll Forward of Works Under Construction				
67		Unallocated works	under construction	Allocated works u	nder construction
68	Works under construction—preceding disclosure year		7,953		7,953
69	plus Capital expenditure	14,482		14,482	
70	less Assets commissioned	17,143		17,143	
71					
72			5,292		5,292
73					0
74					-
75					

Company Nome     Electra Limited     Sorteo Ended						
SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD) This informs the Regulation of the Regulation			Company Name		Electra Limited	
Bis the level requires information on the elegistation Accel tase (PAB) value to the end of this disclosure part. 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 2.3.         shere         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 2.3.         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 a section 2.3.         Value Section 2         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 a section 2.3.         Value Section 2         Value Section 2       Value Section 2         Value Section 2       Section 2         Section 2       Section 2         Value Section 2			For Year Ended		31 March 2016	
Bis the level requires information on the elevel abare (Mal values to the end of this disclosure vari. This information [shedule 2.]         Bis multiprovide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information [shedule 2.]         schedule requires information on the calculation of the RB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information [shedule 2.]         value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information [shedule 2.]         value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information [shedule 2.]         value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (shedule 2.]         value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (shedule 2.]         Value Schedule 2.3         Value Schedule Schedule 2.3	SCH	HEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)				
section 2.8.           section 2           Value of the section of the sect			n in Schedule 2.			
shref 4(y): Regulatory Depreciation  Depreciation -standard Depreciation -standard Depreciation -no standard life assets Depreciation - attenative depreciation in accordance with CPP Depreciation - attenative depreciation in accordance with CPP Total depreciation  4(v): Disclosure of Changes to Depreciation Profiles  5,533 5,53 5			e information (as defined in section 1.4 of the ID determina	ition), and so is subje	ct to the assurance n	eport required by
4(v): Regulatory Depreciation         27         28         Depreciation - no standard life assets         29         20         21         22         23         24         25         25         26         27         27         28         29         20         20         21         22         23         24         25         25         26         27         28         29         20         20         21         22         23         24         24(vi): Disclosure of Changes to Depreciation Profiles         25         26         27         28         29         20         20         20         20         20         20         20         20         20         20         20     <	sectio	on 2.8.				
4(v): Regulatory Depreciation         27         28         Depreciation - not standard         29         20         21         22         23         24         25         25         25         26         27         27         28         29         20         20         21         22         25         26         27         28         29         20         20         21         22         23         24         20         21         22         23         24         24         25         24(v): Disclosure of Changes to Depreciation Profiles         25         26         27         26         27         26         27         26         27         26         27 <tr< th=""><th>sch ref</th><th></th><th></th><th></th><th></th><th></th></tr<>	sch ref					
Image: constraint of the standard       Unallocated RAB*       RAB         Image: constraint of the standard       (5000) <td< td=""><td>Jenrej</td><td></td><td></td><td></td><td></td><td></td></td<>	Jenrej					
79       0       (5000)       (5000)       (5000)       (5000)         79       0       0       0       5,631       5,631	76	4(v): Regulatory Depreciation				
79       Depreciation - standard       5,631       - <td< td=""><td>77</td><td></td><td>Unalloca</td><td>ted RAB *</td><td>R</td><td>AB</td></td<>	77		Unalloca	ted RAB *	R	AB
80       Depreciation - no standard life assets       —       … <td>78</td> <td></td> <td>(\$000)</td> <td>(\$000)</td> <td>(\$000)</td> <td>(\$000)</td>	78		(\$000)	(\$000)	(\$000)	(\$000)
81       Depreciation - modified life assets       —       …			5,631		5,631	
B2       Depreciation - alternative depreciation in accordance with CPP       Image: Constraint of the cons			-		-	
83       Total depreciation       5,631       5,631         84       4(vi): Disclosure of Changes to Depreciation Profiles       (\$000 unless otherwise specified)         85       4(vi): Disclosure of Changes to Depreciation Profiles       Closing RAB value under non- thandard under standard' under standard' under standard' depreciation         86       Asset or assets with changes to depreciation*       Reason for non-standard depreciation (text entry)       period (RAB)         87			-			-
84       4(vi): Disclosure of Changes to Depreciation Profiles       (\$000 unless otherwise specified)         85       4(vi): Disclosure of Changes to Depreciation Profiles       Closing RAB value charge for the under 'non- closing RAB value charge for the under 'standard' depreciation (text entry)         86       Asset or assets with changes to depreciation*       Reason for non-standard depreciation (text entry)       period (RAB)       under 'standard' depreciation depreciation         87       1			-		-	
88       4(vi): Disclosure of Changes to Depreciation Profiles       Construction Profiles       Cons		Total depreciation		5,631		5,631
Asset or assets with changes to depreciation*       Reason for non-standard depreciation (text entry)       Depreciation       Closing RAB value under 'non- standard'         86       Asset or assets with changes to depreciation*       Reason for non-standard depreciation (text entry)       period (RAB)       depreciation         87       Image: Standard Standard'       depreciation       depreciation         88       Image: Standard Standard'       depreciation       depreciation         89       Image: Standard Standard'       Image: Standard Standard'       depreciation         91       Image: Standard Standard Standard'       Image: Standard Standard'       Image: Standard Standard'         92       Image: Standard Standard Standard Standard Standard Standard Standard Standard Standard'       Image: Standard	84					
Asset or assets with changes to depreciation*       Reason for non-standard depreciation (text entry)       Depreciation       Closing RAB value under 'non- standard'         86       Asset or assets with changes to depreciation*       Reason for non-standard depreciation (text entry)       period (RAB)       depreciation         87	85	4(vi): Disclosure of Changes to Depreciation Profiles	(\$000	unless otherwise sp	ecified)	
Asset or assets with changes to depreciation*     Closing AAB value and arr to more beind (RAB)     Under Yohn of beind (RAB)       7     Period (RAB)     Period (RAB)     Period (RAB)       7     Period		(··/			,	
Asset     Charge for the period (RAB)     Standard depreciation       86     Asset with changes to depreciation**     Reason for non-standard depreciation (text entry)     period (RAB)     depreciation       87     Image: Standard depreciation*     Image: Standard depreciation     depreciation       88     Image: Standard depreciation*     Image: Standard depreciation     depreciation       89     Image: Standard depreciation     Image: Standard depreciation     Image: Standard depreciation       89     Image: Standard depreciation     Image: Standard depreciation     Image: Standard depreciation       91     Image: Standard depreciation (text entry)     Image: Standard depreciation     Image: Standard depreciation       92     Image: Standard depreciation (text entry)     Image: Standard depreciation     Image: Standard depreciation       92     Image: Standard depreciation (text entry)     Image: Standard depreciation     Image: Standard depreciation       93     Image: Standard depreciation (text entry)       94     Image: Standard depreciation (text entry)     Image: Standard depreciation (text entry)     Image: Standard depreciation (text entry)       94     Image: Standard depreciation (text entry)     Image: Standard depreciation (text entry)     Image: Standard depreciation (text entry)<					Closing RAB value	
86     Asset or assets with changes to depreciation*     Reason for non-standard depreciation (text entry)     period (RAB)     depreciation       87     -     -     -     -     -       88     -     -     -     -     -       89     -     -     -     -     -       89     -     -     -     -     -       90     -     -     -     -     -       90     -     -     -     -     -       90     -     -     -     -     -       91     -     -     -     -     -       92     -     -     -     -     -       93     -     -     -     -     -       94     -     -     -     -     -						
87       0       1       1       1       1         88       0       0       0       0       0         89       0       0       0       0       0         90       0       0       0       0       0         91       0       0       0       0       0         92       0       0       0       0       0         93       0       0       0       0       0         94       0       0       0       0       0						
88         Image: Section of the sectin of the section of the section of the section of the se		Asset or assets with changes to depreciation* Reason	for non-standard depreciation (text entry)	period (RAB)	depreciation	depreciation
89       Image: Sector Se						
90						
91       Image: Sector Se						
92						
93						
95 * include additional rows if needed	94					
	95	* include additional rows if needed		•	•	••

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

97		(\$000 unless otherwise specified) Distribution									
98		Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99	Total opening RAB value	8,859	6,214	25,796	27,198	35,111	22,751	7,920	10,847	1,975	146,671
100	less Total depreciation	253	161	974	982	993	835	337	889	208	5,631
101	plus Total revaluations	39	49	151	153	209	130	45	67	11	855
102	plus Assets commissioned	296	1,786	1,156	3,774	1,391	3,731	2,335	2,033	641	17,143
103	less Asset disposals	-	-	54	11	-	597	161	169	8	1,000
104	plus Lost and found assets adjustment	-	-	-	-	-		-	-	-	-
105	plus Adjustment resulting from asset allocation	-	-	-	-	-		-	-	-	-
106	plus Asset category transfers	(2,144)	2,143	(1)	(1,190)	580	23	(60)	636	13	-
107	Total closing RAB value	6,798	10,031	26,075	28,942	36,298	25,204	9,742	12,525	2,424	158,039
108											
109	Asset Life										
110	Weighted average remaining asset life	31.6	30.7	35.6	31.8	40.8	34.2	29.7	19.4	14.0	(years)
111	Weighted average expected total asset life	59.0	42.4	48.9	59.4	62.0	44.9	37.6	33.5	17.0	(years)

	Company Name	Electra Limited
	For Year Ended	31 March 2016
HEDULE 5	a: REPORT ON REGULATORY TAX ALLOWANCE	
fit). EDBs must	res information on the calculation of the regulatory tax allowance. This information is used to calculate regulator provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Expla part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the	inatory Notes).
5a(i): Re	gulatory Tax Allowance	(\$000)
F	legulatory profit / (loss) before tax	14,34
plus	Income not included in regulatory profit / (loss) before tax but taxable	1,260 *
	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	23 *
	Amortisation of initial differences in asset values	2,719
	Amortisation of revaluations	377
		4,37
less	Total revaluations	855
	Income included in regulatory profit / (loss) before tax but not taxable	_ *
	Discretionary discounts and customer rebates	7,711
	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	19 *
	Notional deductible interest	3,217
		11,80
	tegulatory taxable income	6,92
less	Utilised tax losses	-
	Regulatory net taxable income	6,92
	Corporate tax rate (%)	28%
		1,93
	legulatory tax allowance	1,93
* Worki	ngs to be provided in Schedule 14	
5a(ii): D	isclosure of Permanent Differences	
	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Sche	edule 5a(i).
5a(iii): A	mortisation of Initial Difference in Asset Values	(\$000)
	Opening unamortised initial differences in asset values	81,167
less	Amortisation of initial differences in asset values	2,719
plus	Adjustment for unamortised initial differences in assets acquired	-
less	Adjustment for unamortised initial differences in assets disposed	527
less	Closing unamortised initial differences in asset values	77,92
	Opening weighted average remaining useful life of relevant assets (years)	3
2	Opening weighten average remaining userun me or relevant assets (years)	

		Company Name	Electra Limited
		For Year Ended	31 March 2016
sc	HEDULE	5a: REPORT ON REGULATORY TAX ALLOWANCE	
This	schedule requ fit). EDBs mus information is	irres information on the calculation of the regulatory tax allowance. This information is used to calculate regula provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explant of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to	xplanatory Notes).
44		Amortisation of Revaluations	(\$000)
45 46		Onanina sum of DAD values without south otions	107.005
40		Opening sum of RAB values without revaluations	137,235
48		Adjusted depreciation	5,254
49		Total depreciation	5,631
50		Amortisation of revaluations	377
51 52	5a(v):	Reconciliation of Tax Losses	(\$000)
53	(-)		
54		Opening tax losses	-
55	plus	Current period tax losses	-
56	less	Utilised tax losses	-
57		Closing tax losses	<u> </u>
58	5a(vi):	Calculation of Deferred Tax Balance	(\$000)
59			
60		Opening deferred tax	(4,074)
61			
62 63	plus	Tax effect of adjusted depreciation	1,471
64	less	Tax effect of tax depreciation	1,562
65			
66 67	plus	Tax effect of other temporary differences*	11
68	less	Tax effect of amortisation of initial differences in asset values	761
69			
70 71	plus	Deferred tax balance relating to assets acquired in the disclosure year	-
72	less	Deferred tax balance relating to assets disposed in the disclosure year	(149)
73			
74 75	plus	Deferred tax cost allocation adjustment	0
76		Closing deferred tax	(4,766)
77			
78	5a(vii)	Disclosure of Temporary Differences	
75	Sa(vii).	In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Sch	hedule 5a(vi) (Tax effect of other temporary
79		differences).	
80	Eo(viii)	· Pogulatory Tax Assot Baso Poll Convard	
81 82	Sa(VIII)	: Regulatory Tax Asset Base Roll-Forward	(\$000)
82		Opening sum of regulatory tax asset values	52,565
84	less	Tax depreciation	5,578
85		Regulatory tax asset value of assets commissioned	17,143
86	less	Regulatory tax asset value of asset disposals	469
87	plus	Lost and found assets adjustment	-
88	plus	Adjustment resulting from asset allocation	-
89	plus	Other adjustments to the RAB tax value	-
90		Closing sum of regulatory tax asset values	63,661

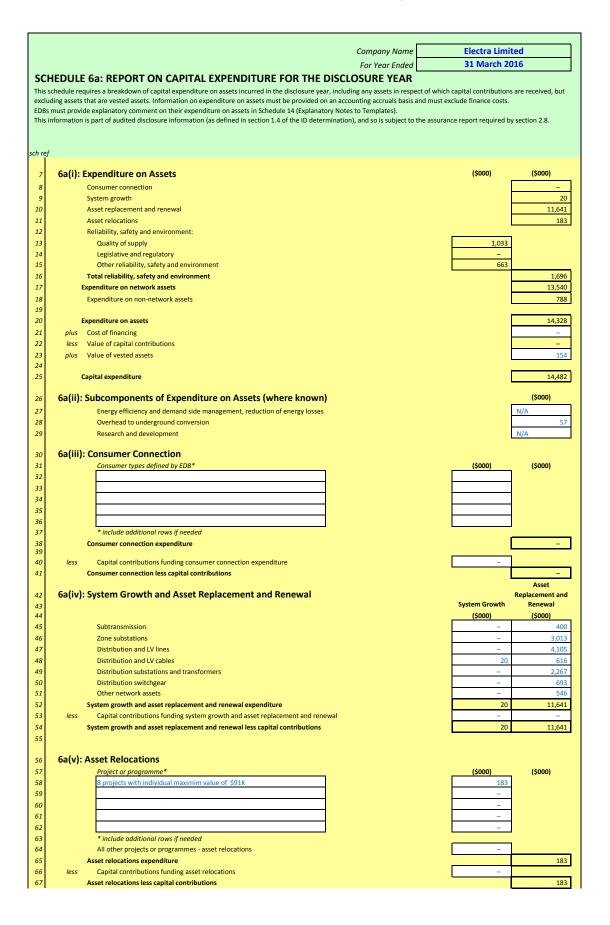
			Company Name		Electra Limited
			For Year Ended		31 March 2016
ED	ULE 5b: REPORT ON RELATED PA	<b>RTY TRANSACTIONS</b>	; ;		
hed	ule provides information on the valuation of related	party transactions, in accordance	e with section 2.3.6 and 2.3.7 of the ID determ	ination.	
nform	nation is part of audited disclosure information (as de	efined in section 1.4 of the ID det	termination), and so is subject to the assurance	e report required by	section 2.8.
ef					
5b	(i): Summary—Related Party Transact	tions	(\$000	)	
	Total regulatory income			421	
	Operational expenditure			6,747	
	Capital expenditure			12,331	
	Market value of asset disposals			-	
	Other related party transactions			-	
50	(ii): Entities Involved in Related Party	Transactions			
	Name of related party			elated party relation	ship
	Electra Distribution Operations		acting Division of Electra Limited		
	DataCol NZ Limited		owned subsidary		
	Electra Energy Limited		owned subsidary		
	Sky Communications Limited		owned subsidary owned subsidary		
5b					
5b)	Sky Communications Limited * include additional rows if needed			Value of	
5bi	Sky Communications Limited * include additional rows if needed (iii): Related Party Transactions	100%	owned subsidary	transaction	
5b)	Sky Communications Limited  * include additional rows if needed (iii): Related Party Transactions Name of related party	Related party transaction type	owned subsidary Description of transaction	transaction (\$000)	Basis for determining value
5bi	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party Electra Distribution Operations	Related party transaction type Opex Netwo	owned subsidary Description of transaction ork maintenance	transaction (\$000) 6,657	ID clause 2.3.6(1)(b)
5b)	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations	Related party transaction type Opex Netwo Capex Capitz	Description of transaction	transaction (\$000) 6,657 12,244	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g)
5b)	Sky Communications Limited  * include additional rows if needed (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited	Related party transaction type Opex Networ Capex Capita Capex Capita	Description of transaction prk maintenance I works on Network II IT works	transaction (\$000)           6,657           12,244           87	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g) IM clause 2.2.11(5)(a)(i)
5b)	Sky Communications Limited  * include additional rows if needed (iii): Related Party Transactions  Name of related party Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited	Related party transaction type Opex Networ Capex Capita Capex Capita Sales Mana	Description of transaction Description of transaction ork maintenance Il works on Network II T works gement fees received	transaction (\$000)           6,657           12,244           87           215	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g) IM clause 2.2.11(5)(a)(i) ID clause 2.3.7(2)(c)
5b)	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited Electra Energy Limited	Related party transaction type Opex Netwo Capex Capita Sales Mana Sales Electri	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215           206	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g) IM clause 2.2.11(5)(a)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(a)
5b)	Sky Communications Limited  * include additional rows if needed (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited	Related party transaction type Opex Netwo Capex Capitz Capex Capitz Sales Electri Opex Electri	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215	ID clause 2.3.6(1)(b) IN clause 2.3.1(5)(g) IN clause 2.2.11(5)(a)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(a) ID clause 2.3.6(1)(c)(i)
5b)	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited Electra Energy Limited	Related party transaction type Opex Netwo Capex Capitz Capex Capitz Sales Mana Sales Electri Opex Electri [Select one]	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215           206	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g) IM clause 2.2.11(5)(a)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(a) ID clause 2.3.6(1)(c)(i) [Select one]
5b	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited Electra Energy Limited	Related party transaction type       Opex     Network       Capex     Capitx       Capex     Capitx       Sales     Mana       Sales     Electrit       Opex     Electrit       Opex     Electrit       Select one]     [Select one]	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215           206	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g) IM clause 2.2.11(5)(a)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(a) ID clause 2.3.6(1)(c)(i) [Select one] [Select one]
5bi	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited Electra Energy Limited	Related party transaction type       Opex     Network       Capex     Capita       Capex     Capita       Sales     Mana       Sales     Electri       Opex     Electri       (Select one)     [Select one]	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215           206	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g) IM clause 2.2.11(5)(a)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(a) ID clause 2.3.6(1)(c)(i) [Select one] [Select one]
5b	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited Electra Energy Limited	Related party transaction type       Opex     Network       Capex     Capitz       Sales     Electri       Opex     Electri       Seles     Mana       Sales     Electri       Seles     Electri       Seles     Detectore       Seles     Selectore       Selectone     Selectone       Selectone     Selectone	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215           206	ID clause 2.3.6(1)(b) IN clause 2.2.11(5)(g) IN clause 2.2.11(5)(a)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(a) ID clause 2.3.6(1)(c)(i) [Select one] [Select one] [Select one] [Select one]
5b	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited Electra Energy Limited	Related party transaction type       Opex     Network       Capex     Capitx       Capex     Capitx       Sales     Mana       Sales     Electrit       Opex     Electrit       [Select one]     [Select one]	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215           206	ID clause 2.3.6(1)(b) IN clause 2.2.11(5)(g) IN clause 2.2.11(5)(a)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(a) ID clause 2.3.7(2)(a) ID clause 2.3.6(1)(c)(i) [Select one] [Select one] [Select one] [Select one] [Select one]
5bi	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited Electra Energy Limited	Related party transaction type       Opex       Network       Capex       <	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215           206	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g) IM clause 2.2.11(5)(g)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(c) ID clause 2.3.6(1)(c)(i) [Select one] [Select one] [Select one] [Select one] [Select one] [Select one] [Select one]
5b)	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited Electra Energy Limited	Related party transaction type       Opex     Network       Capex     Capita       Capex     Capita       Sales     Kelext       Sales     Mana       Sales     Electri       Opex     Network       Sales     Electri       Select one]     [Select one]       [Select one]     [Select one]       [Select one]     [Select one]       [Select one]     [Select one]       [Select one]     [Select one]	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215           206	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g) IM clause 2.2.11(5)(g)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(c) ID clause 2.3.6(1)(c)(i) [Select one] [Select one] [Select one] [Select one] [Select one] [Select one] [Select one] [Select one] [Select one]
56	Sky Communications Limited  * include additional rows if needed  (iii): Related Party Transactions  Name of related party  Electra Distribution Operations Electra Distribution Operations DataCol NZ Limited Sky Communications Limited Electra Energy Limited	Related party transaction type       Opex       Network       Capex       <	Description of transaction ork maintenance Il works on Network Il T works gement fees received city	transaction (\$000)           6,657           12,244           87           215           206	ID clause 2.3.6(1)(b) IM clause 2.2.11(5)(g) IM clause 2.2.11(5)(g)(i) ID clause 2.3.7(2)(c) ID clause 2.3.7(2)(c) ID clause 2.3.6(1)(c)(i) [Select one] [Select one] [Select one] [Select one] [Select one] [Select one] [Select one]

									Company Name		Electra Limited	
									For Year Ended		31 March 2016	
	CHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE											
		formation is part of audited disclosure information (as defined in se						or and non-qualitying	debt) is greater than	live years.		
cch	ref											
	7											
	8	5c(i): Qualifying Debt (may be Commission on	y)									
1	9											
									Book value at date		Cost of executing	
						Original tenor (in		Book value at	of financial	Term Credit	an interest rate	Debt issue cost
1		Issuing party		Issue date	Pricing date	years)	Coupon rate (%)	issue date (NZD)	statements (NZD)	Spread Difference	swap	readjustment
1												
1.												
1	-											
1.												
1		* include additional rows if needed							-	-	-	-
1												
1		5c(ii): Attribution of Term Credit Spread Differ	ential									
1:		Gross term credit spread differential										
2		Gross term credit spread differential				-						
2		Total book value of interest bearing debt				T						
2.	3	Leverage			44%	1						
2	4	Average opening and closing RAB values										
2.	5	Attribution Rate (%)				-						
2						i						
2	7	Term credit spread differential allowance				-						

			Company Name		Electra Limite	4
			For Year Ended		31 March 201	5
cri	HEDULE 5d: REPORT ON COST ALLOCATIONS					-
	schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so			otes), including on th	ie impact of any rei	classifications.
	monnation is part of durined discussive monnation (as defined in section 2.4 of the 10 determination), and so	subject to the assonance report required b	y section 2.0.			
h ref						
_	5d(i): Operating Cost Allocations					
7	Sully. Operating cost Anotations					
8			Value alloca			
		Arm's length	Electricity distribution	Non-electricity distribution		OVABAA allocatio
9		deduction	services	services	Total	increase (\$000s)
10	Service interruptions and emergencies					
11	Directly attributable		1.852			
12	Not directly attributable		-/		-	
13	Total attributable to regulated service		1,852			
14	Vegetation management					
15	Directly attributable		1.273			
16	Not directly attributable		-,		-	
17	Total attributable to regulated service	L	1,273			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		556			
20	Not directly attributable				-	
21	Total attributable to regulated service		556			
22	Asset replacement and renewal					
23	Directly attributable		1.210			
24	Not directly attributable		-,		-	
25	Total attributable to regulated service		1,210			
26	System operations and network support					
27	Directly attributable		1,497			
28	Not directly attributable		,		-	
29	Total attributable to regulated service		1,497			
30	Business support					
31	Directly attributable		912			
32	Not directly attributable		3,267		3,267	1
33	Total attributable to regulated service		4,179			
34						
35	Operating costs directly attributable		7,300			
36	Operating costs not directly attributable	-	3,267	-	3,267	-
37	Operational expenditure		10,567			

		Company Name	Electra Limited
		For Year Ended	31 March 2016
SC	HEDULE 5d: REPORT ON COST ALLO	CATIONS	
		nal costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory N fined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.	lotes), including on the impact of any reclassifications.
sch re	f		
39	5d(ii): Other Cost Allocations		
40	Pass through and recoverable costs	(\$000)	
41	Pass through costs		
42	Directly attributable	224	]
43	Not directly attributable		
44	Total attributable to regulated service	224	
45	Recoverable costs		-
46	Directly attributable	6,312	-
47 48	Not directly attributable	3,267	-
48	Total attributable to regulated service	3,579	]
50	5d(iii): Changes in Cost Allocations* †		
51			(\$000)
52	Change in cost allocation 1		CY-1 Current Year (CY)
53 54	Cost category Original allocator or line items	Original allocation New allocation	
55	New allocator or line items	Difference	
56			
57	Rationale for change		
58			
59			
60 61	at the second		(\$000) CY-1 Current Year (CY)
62	Change in cost allocation 2 Cost category	Original allocation	CY-1 Current Year (CY)
63	Original allocator or line items	New allocation	
64	New allocator or line items	Difference	
65			
66	Rationale for change		
67 68			
69			(\$000)
70	Change in cost allocation 3		CY-1 Current Year (CY)
71	Cost category	Original allocation	
72	Original allocator or line items	New allocation	
73	New allocator or line items	Difference	
74 75	Rationale for change		
75	Rauonale for change		
77			
78	* a change in cost allocation must be completed for each	cost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in all	locator or component.
79	† include additional rows if needed		

		Company Name	Electra Limited
		For Year Ended	31 March 2016
	EDULE 5e: REPORT ON ASSET ALLOCAT		
EDBs	must provide explanatory comment on their cost allocation in So	is information supports the calculation of the RAB value in Schedule 4. nedule 14 (Mandatory Explanatory Notes), including on the impact of any chang	es in asset allocations. This information is part of audited disclosure
inforr	nation (as defined in section 1.4 of the ID determination), and so	is subject to the assurance report required by section 2.8.	
ch ref			
7	5e(i): Regulated Service Asset Values		
Í	Selly. Regulated Selvice Asset Values		Value allocated
8			(\$000s)
9			Electricity distribution services
10	Subtransmission lines		
11	Directly attributable	-	6,798
12 13	Not directly attributable Total attributable to regulated service		6,798
14	Subtransmission cables		
15 16	Directly attributable Not directly attributable	-	10,031
17	Total attributable to regulated service		10,031
18	Zone substations	г	
19 20	Directly attributable Not directly attributable	-	26,075
21	Total attributable to regulated service		26,075
22	Distribution and LV lines		20.042
23 24	Directly attributable Not directly attributable		28,942
25	Total attributable to regulated service		28,942
26 27	Distribution and LV cables Directly attributable		36,298
27	Directly attributable Not directly attributable	-	36,298
29	Total attributable to regulated service	[	36,298
30 31	Distribution substations and transformers Directly attributable	٦	25,204
32	Not directly attributable		23,204
33	Total attributable to regulated service	l	25,204
34 35	Distribution switchgear Directly attributable	٦	9,742
36	Not directly attributable		
37	Total attributable to regulated service	l	9,742
38 39	Other network assets Directly attributable	]	12,525
40	Not directly attributable		
41	Total attributable to regulated service Non-network assets	l	12,525
42 43	Directly attributable	]	2,424
44	Not directly attributable		
45 46	Total attributable to regulated service	L	2,424
47	Regulated service asset value directly attributable		158,039
48 49	Regulated service asset value not directly attributat Total closing RAB value	e	- 158,039
50		•	
51	5e(ii): Changes in Asset Allocations* †		
52			(\$000)
53 54	Change in asset value allocation 1 Asset category		CY-1 Current Year (CY) Original allocation
55	Original allocator or line items		New allocation
56 57	New allocator or line items		Difference – –
58	Rationale for change		
59 60			
61			(\$000)
62 63	Change in asset value allocation 2 Asset category		CY-1 Current Year (CY) Original allocation
64	Asset category Original allocator or line items		New allocation
65	New allocator or line items		Difference – –
66 67	Rationale for change		
68			
69 70			(\$000)
71	Change in asset value allocation 3		CY-1 Current Year (CY)
72 73	Asset category Original allocator or line items		Original allocation New allocation
74	New allocator or line items		Difference – –
75 76	Pationals for change		
76 77	Rationale for change		
78			
79 80	<ul> <li>a change in asset allocation must be completed for each allo</li> <li>t include additional rows if needed</li> </ul>	cator or component change that has occurred in the disclosure year. A movemen	n in an anocator metric is not a change in allocator or component.



		Company Name	Electra Limit	ed
		For Year Ended	31 March 20	16
sc	HEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE I			
	s schedule requires a breakdown of capital expenditure on assets incurred in the disclosure yea		of which capital contributions	are received but
	luding assets that are vested assets. Information on expenditure on assets multiplication of the provided or			are received, but
	as must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanato			
	s information is part of audited disclosure information (as defined in section 1.4 of the ID deter		e assurance report required by	section 2.8.
sch re	ef			
68				
69	6a(vi): Quality of Supply			
70	Project or programme*		(\$000)	(\$000)
71	Self Healing Network		361	
72	17 other projects with maximum value of \$132K		672	
73				
74				
75				
76	* include additional rows if needed			
77	All other projects programmes - quality of supply		-	
78	Quality of supply expenditure			1,033
79	less Capital contributions funding quality of supply		-	
80	Quality of supply less capital contributions			1,033
	Fo/vii), Logislative and Regulatory			
81	6a(vii): Legislative and Regulatory		(\$000)	(\$000)
82 83	Project or programme*		(\$000)	(\$000)
83 84				
85				
86				
87				
88	* include additional rows if needed			
89	All other projects or programmes - legislative and regulatory		-	
90	Legislative and regulatory expenditure			-
91	less Capital contributions funding legislative and regulatory		-	
92	Legislative and regulatory less capital contributions			-
			-	
93	6a(viii): Other Reliability, Safety and Environment			
94	Project or programme*		(\$000)	(\$000)
95	Tararua Rd Bunding installatio		307	
96	22 projects with maximiun individual value of \$51K		356	
97				
98				
99	* include additional accus if a coded			
100 101	<ul> <li>include additional rows if needed</li> <li>All other projects or programmes - other reliability, safety and environment</li> </ul>			
101	Other reliability, safety and environment expenditure			663
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			663
105			L	
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	Project or programme*		(\$000)	(\$000)
109	Vehicles		143	
110	Tool & Equipment replacements		72	
111	Computer Hardware replacements		97	
112	Software upgrades		383	
113				
114	* include additional rows if needed			
115	All other projects or programmes - routine expenditure		78	770
116	Routine expenditure			773
117	Atypical expenditure			
118	Project or programme*		(\$000)	(\$000)
119	Head Office alterations		15	
120				
121				
122				
123				
124	* include additional rows if needed			
125	All other projects or programmes - atypical expenditure		-	
126 127	Atypical expenditure			15
	Expenditure on non-network assets		Г	788
128	Expenditure on non-network assets			/88

	Company Name	Electra L	imited
	For Year Ended	31 Marc	h 2016
	SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR		
	This schedule requires a breakdown of operational expenditure incurred in the disclosure year.		
	EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory	comment on any atyp	ical operational
	expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insuran		
	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 r	equired by section 2.8	8.
sc	h ref		
	7 6b(i): Operational Expenditure	(\$000)	(\$000)
	8 Service interruptions and emergencies	1.852	
	9 Vegetation management	1,273	
1	0 Routine and corrective maintenance and inspection	556	
1	1 Asset replacement and renewal	1,210	
1	2 Network opex		4,891
1	3 System operations and network support	1,497	
1	4 Business support	4,179	
1	5 Non-network opex		5,676
1	6	_	
1	7 Operational expenditure	Ĺ	10,567
	8 6b(ii): Subcomponents of Operational Expenditure (where known)		
	9 Energy efficiency and demand side management, reduction of energy losses	-	N/A
	0 Direct billing*	-	N/A
	Image: Market State     Research and development       Image: Market State     Insurance		281
	Insurance     * Direct billing expenditure by suppliers that directly bill the majority of their consumers	L	281
2	Direct oming experiorcure by suppriers that arrectly onit the majority of their consumers		

	Company Name		Electra Limited	
	For Year Ended		31 March 2016	
is s qui 9Bs pla sur	HEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPE schedule compares actual revenue and expenditure to the previous forecasts that were made ires the forecast revenue and expenditure information from previous disclosures to be insert must provide explanatory comment on the variance between actual and target revenue and natory Notes). This information is part of the audited disclosure information (as defined in se rance report required by section 2.8. For the purpose of this audit, target revenue and foreca osures.	e for the disclosure ye ed. forecast expenditure ection 1.4 of the ID de	in Schedule 14 (Mar termination), and so	ndatory is subject to the
	7(i): Revenue	Target (\$000) <sup>1</sup>	Actual (\$000)	% variance
	Line charge revenue	38,288	39,874	49
		· · _ ·	i	
	7(ii): Expenditure on Assets	Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
		111	-	(100%
	Consumer connection System growth	111 166	20	(1007
	Asset replacement and renewal	8,578	11,641	36%
	Asset relocations	-	183	-
	Reliability, safety and environment:			
	Quality of supply	993	1,033	49
	Legislative and regulatory	-	-	-
	Other reliability, safety and environment	-	663	-
	Total reliability, safety and environment	993	1,696	719
	Expenditure on network assets	9,849	13,540	379
	Expenditure on non-network assets	-	788	-
	Expenditure on assets	9,849	14,328	45%
	7(iii): Operational Expenditure			
	Service interruptions and emergencies	1,769	1,852	59
	Vegetation management	1,331	1,273	(49
	Routine and corrective maintenance and inspection	701	556	(219
	Asset replacement and renewal	1,595	1,210	(249
	Network opex	5,395	4,891	(9%
	System operations and network support	2,023	1,497	(26%
	Business support	294	4,179	1,3219
	Non-network opex	2,317	5,676	1459
	Operational expenditure	7,712	10,567	379
	7(iv): Subcomponents of Expenditure on Assets (where known)			
	Energy efficiency and demand side management, reduction of energy losses		N/A	-
	Overhead to underground conversion	-	57	-
	Research and development	-	N/A	-
	7(v): Subcomponents of Operational Expenditure (where know	n)		
	Energy efficiency and demand side management, reduction of energy losses	í -	N/A	-
	Direct billing	-	N/A	-
	Research and development	-	-	-
	Insurance	-	281	_
1	1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.	4.3(3) of this determin	nation	

												Company Name For Year Ended -Network Name			Limited rch 2016
	B: REPORT ON BILLED ( ires the billed quantities and associated associated associated associated associated associated as a structure of the structure of th				nformation is also required o	the number of ICPs that are inc	luded in each consumer	r group or price category	code, and the energy	y delivered to these	ICPs.				
8(i): Bi	illed Quantities by Price (	Component													
									Billed quantities by			11-12 51-1-1-1			
								Price component	Supply Charge - Network	Supply Charge - Transmission	Unit Charge - Network	Unit Charge - Transmission	Maintenance	Fixed	Pole (
	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)			g, days, kW of demand, pacity, etc.)	Day	Day	kWh of consumption	kWh of consumption	per fitting	per annum	per a
	Standard Industrial	All	Standard	133	73,324				48,678	48,678	73,324,275	73,324,275	1		
	Triple Saver	All	Standard	740	37,278				270,840	270,840	37,277,861	37,277,861			
	Night/Day Streetlighting	All	Standard Standard	1,564					572,424 732	572,424 732	11,517,731 3,360,085	11,517,731 3,360,085		-	
	Community Lighting	All	Standard	-	3,360				-	-	3,360,085	3,360,085	400	2	
	All Other Consumers	All	Standard	41,767	283,368				15,286,722	15,286,722	283,368,441	283,368,441			
			[Select one] [Select one]												
			[Select one]												
			[Select one]												
	Add extra rows for additional cons	sumer groups or price category cod	les as necessary												
			Standard concumer totals	44 206	400 192				16 170 206	16 170 206	400 197 592	400 197 592		2	
			Standard consumer totals Non-standard consumer totals	44,206	409,183				16,179,396	16,179,396	409,182,583	409,182,583	400 -	2	
				44,206 	409,183 - 409,183				16,179,396 - 16,179,396	16,179,396 - 16,179,396	409,182,583 - 409,182,583	409,182,583 - 409,182,583	400  400	- 2	
8(ii): Li	ine Charge Revenues (\$0	00) by Price Component	Non-standard consumer totals Total for all consumers	-	-				-	- 16,179,396	- 409,182,583	-	-	2	
8(ii): Li	.ine Charge Revenues (\$0	00) by Price Component	Non-standard consumer totals Total for all consumers	-	-			Price component	- 16,179,396	- 16,179,396	- 409,182,583	-	-	2 - 2 Fixed	Pole (
8(ii): Li	ine Charge Revenues (\$00 Consumer group name or price category code		Non-standard consumer totals Total for all consumers	-	- 409,183	Total distribution line charge revenue	Total transmission R line charge R revenue (ff available)	Price component Nate (eg, S per day, S per KWh, etc.)	- 16,179,396 Line charge revenue Supply Charge - Network	- 16,179,396 es (\$000) by price co Supply Charge -	- 409,182,583 mponent Unit Charge -	- 409,182,583 Unit Charge -	- 400	2 - 2 Fixed per annum	
8(ii): Li	Consumer group name or price category code Standard Industrial	Consumer type or types (eg, residential, commercial etc.)	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	- 44,206 44,206 Total line charge revenue in disclosure year \$3,879	- 409,183 Notional revenue foregone from posted discounts (if applicable)	line charge revenue \$2,845	line charge revenue (if available) \$1,134	Rate (eg, \$ per day, \$ per	- 16,179,396 Line charge revenue Supply Charge - Network Day	- 16,179,396 ss (5000) by price co Supply Charge - Transmission Day S13		- 409,182,583 Unit Charge - Transmission kWh of consumption \$1,121	- 400 Maintenance per fitting		
8(ii): Li	Consumer group name or price category code Standard industrial Triple Saver	Consumer type or types (eg, residential, commercial etc.) All	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard	- 44,206 44,206 Total line charge revenue in disclosure year \$3,979 \$2,693	- 409,183 Notional revenue foregone from posted discounts (if applicable) na na	line charge revenue \$2,845 \$2,023	line charge revenue (if available) \$1,134 \$670	Rate (eg, \$ per day, \$ per	- 16,179,396 Line charge revenue Supply Charge - Network Day S47 S62	- 16,179,396 ss (\$000) by price oc Supply Charge - Transmission Day S13 \$13	- 409,182,583 mponent Unit Charge - Network kWh of consumption \$2,798 \$1,961	- 409,182,583 Unit Charge - Transmission kWh of consumption	- 400 Maintenance per fitting		
8(ii): Li	Consumer group name or price category code Standard Industrial Triple Saver Night/Day	Consumer type or types (eg, residential, commercial etc.)	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	- 44,206 44,206 Total line charge revenue in disclosure year \$3,979 \$2,693 \$1,072	- 409,183 Notional revenue foregone from posted discounts (if applicable) na na na na	line charge revenue \$2,845	line charge revenue (if available) \$1,134 \$670 \$256	Rate (eg, \$ per day, \$ per	- 16,179,396 Line charge revenue Supply Charge - Network Day	- 16,179,396 ss (5000) by price co Supply Charge - Transmission Day S13		- 409,182,583 Unit Charge - Transmission kWh of consumption \$1,121	- 400 Maintenance per fitting		
8(ii): Li	Consumer group name or price category code Standard Industrial Triple Saver Night/Day Streetlipting Community Lighting	Consumer type or types (eg, residential, commercial etc.) All All All All	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard		- 409,183 Notional revenue foregone from posted discounts (if applicable) na na na na na na na na	line charge revenue 52,845 52,023 5816 5359 571	line charge revenue (if available)	Rate (eg, \$ per day, \$ per		- 16,179,396 ss (5000) by price co Supply Charge- Transmission Day Day 513 514 - -			- 400 Maintenance per fitting	per annum	
8(ii): Li	Consumer group name or price category code Standard Industrial Triple Saver Night/Oay Streetlipting Community Lighting	Consumer type or types (eg, residential, commercial etc.) All All All	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard Standard Standard		Ottional revenue     foregone from posted     discounts (if applicable)     ra     na     na	line charge revenue \$2,845 \$2,023 \$816 \$359	line charge revenue (if available)	Rate (eg, \$ per day, \$ per	- 16,179,396 Line charge revenue Supply Charge - Network Day S47 S62	- 16,179,396 ss (\$000) by price oc Supply Charge - Transmission Day S13 \$13	- 409,182,583 mponent Unit Charge - Network kWh of consumption \$2,798 \$1,961 \$791 \$730	- 409,182,583 Unit Charge - Transmission kWh of consumption \$1,121 \$555 \$212 \$93	- 400 Maintenance	per annum	
8(ii): Li	Consumer group name or price category code Standard Industrial Triple Saver Night/Oay Streetlipting Community Lighting	Consumer type or types (eg, residential, commercial etc.) All All All All	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard		- 409,183 Notional revenue foregone from posted discounts (if applicable) na na na na na na na na	line charge revenue 52,845 52,023 5816 5359 571	line charge revenue (if available)	Rate (eg, \$ per day, \$ per		- 16,179,396 ss (5000) by price co Supply Charge- Transmission Day Day 513 514 - -			- 400 Maintenance	per annum	
8(ii): Li	Consumer group name or price category code Standard Industrial Triple Saver Night/Oay Streetlipting Community Lighting	Consumer type or types (eg, residential, commercial etc.) All All All All	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard		Otional revenue     foregone from posted     discounts (if applicable)     na     na	line charge revenue 52,845 52,023 5816 5359 571	line charge revenue (if available)	Rate (eg, \$ per day, \$ per		- 16,179,396 ss (5000) by price co Supply Charge- Transmission Day Day 513 514 - -			- 400 Maintenance	per annum	
8(ii): Li	Consumer group name or price category code Standard industrial Triple Saver Night/Day Streetlighting Community Lighting All Other Consumers	Consumer type or types (eg, residential, commercial etc.) All All All All All All	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard		- 409,183 Notional revenue foregone from posted discounts (if applicable) na na na na na na na na na na na na	line charge revenue 52,845 52,023 5816 5359 571	line charge revenue (if available)	Rate (eg, \$ per day, \$ per		- 16,179,396 ss (5000) by price co Supply Charge- Transmission Day Day 513 514 - -			- 400 Maintenance	per annum	
8(ii): Li	Consumer group name or price category code Standard Industrial Triple Saver Night/Oay Streetlipting Community Lighting	Consumer type or types (eg, residential, commercial etc.) All All All All All All	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard		- 409,183 Notional revenue foregone from posted discounts (if applicable) na na na na na na na na na na na na na	line charge revenue 52,845 52,023 5816 5359 571	Inc.charge         P           revenue (if)         \$1,134           \$670         \$256           \$93         \$133           \$8,310         \$330	Rate (eg, \$ per day, \$ per		- 16,179,396 ss (5000) by price co Supply Charge- Transmission Day Day 513 514 - -			400 Maintenance per fitting	per annum	per a
8(ii): Li	Consumer group name or price category code Standard industrial Triple Saver Night/Day Streetlighting Community Lighting All Other Consumers	Consumer type or types (eg, residential, commercial etc.) All All All All All All	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard		- 409,183 Notional revenue foregone from posted discounts (if applicable) na na na na na na na na na na na na na	line charge revenue 52,845 532,023 5816 5339 571 523,283 523,283 523,283 523,283 523,284 523,285 525,295 525,2	Incentarge         P           revenue (r)         \$1,134           \$570         \$256           \$583         \$13           \$68,310         \$68,310           \$58,310         \$1,144           \$500         \$13           \$58,310         \$1,154           \$58,310         \$1,154           \$58,310         \$1,154           \$50,477         \$10,477	Rate (eg, \$ per day, \$ per		- 16,179,396 ss (5000) by price cc Supply Charge - Transmission Day Day 513 5144 - - 51,431 - - 51,603 -	- 409,182,583 mponent Unit Charge - Network kWh of consumption \$2,798 \$1,961 \$791 \$220 \$55 \$22,574 \$22,575 \$22,574 \$22,575 \$25	- 409,182,583 Unit Charge - Transmission kWh of consumption \$1,121 \$555 \$212 \$933 \$1,121 \$552 \$212 \$933 \$6,879 \$6,879 \$6,879 \$6,879 \$6,874 \$7	- 400 Maintenance per fitting \$17 . \$17 	per annum 	
8(ii): Li	Consumer group name or price category code Standard industrial Triple Saver Night/Day Streetlighting Community Lighting All Other Consumers	Consumer type or types (eg, residential, commercial etc.) All All All All All All	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard		- 409,183 Notional revenue foregone from posted discounts (if applicable) na na na na na na na na na na na na na	line charge revenue 52,845 53023 5816 5359 571 523,283	Ince charge         P           revenue (f)         8           \$1,134         5070           \$5256         5933           \$513         58,310           \$58,310         \$           \$51,477         -	Rate (eg, \$ per day, \$ per	- 16,179,396 Line charge revenue Supply Charge - Network Day Day	- 16,179,396 es (5000) by price co Supply Charge - Transmission Day Day 513 544 - - - - 51,431	- 409,182,583 mponent Unit Charge - Network kWh of consumption \$2,798 \$1,961 \$791 \$230 \$555 \$22,574	- 409,182,583 Unit Charge - Transmission kWh of consumption \$1,121 \$555 \$212 \$93 \$13 \$5,879 \$8,874	- 400 Maintenance per fitting \$17 . \$17 	per annum 	per a
	Consumer group name or price category code Standard industrial Triple Saver Night/Day Streetlighting Community Lighting All Other Consumers	Consumer type or types (eg, residential, commercial etc.)	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard		- 409,183 Notional revenue foregone from posted discounts (if applicable) na na na na na na na na na na na na na	line charge revenue 52,845 532,023 5816 5339 571 523,283 523,283 523,283 523,283 523,284 523,285 525,295 525,2	Line charge revenue (fr         P           \$1,134         \$5070           \$256         \$933           \$313         \$8,310           \$58,310         \$58,310           \$510,477         -           \$10,477         -	Rate (eg, \$ per day, \$ per		- 16,179,396 ss (5000) by price cc Supply Charge - Transmission Day Day 513 5144 - - 51,431 - - 51,603 -	- 409,182,583 mponent Unit Charge - Network kWh of consumption \$2,798 \$1,961 \$791 \$220 \$55 \$22,574 \$22,575 \$22,574 \$22,575 \$25	- 409,182,583 Unit Charge - Transmission kWh of consumption \$1,121 \$555 \$212 \$33 \$5,829 \$33 \$5,879 \$8,874 -	- 400 Maintenance per fitting \$17 . \$17 	per annum 	per a

Company Name	Electra Limited
For Year Ended	31 March 2016
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.

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accurac (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	20,207	20,233	26	4
0	All	Overhead Line	Wood poles	No.	1,249	1,228	(21)	4
1	All	Overhead Line	Other pole types	No.	-	-	-	N/A
2	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	152	152	-	4
3	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
4	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	28	29	1	4
5	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
6	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
7	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	N/A
8	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
9	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
0	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
1	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
2	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
3	HV	Zone substation Buildings	Zone substations up to 66kV	No.	10	10	-	N/A
4	HV	Zone substation Buildings	Zone substations 110kV+	No.	-		-	N/A
5	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-		-	N/A
6	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-		-	N/A
7	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-		-	N/A
8	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	68	68	-	4
9	HV	Zone substation switchgear	33kV RMU	No.	-		-	N/A
0	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	26	26	-	4
1	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	27	27	-	4
2	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	80	80	-	4
3	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-		-	N/A
4	HV	Zone Substation Transformer	Zone Substation Transformers	No.	19	19	-	4
5	HV	Distribution Line	Distribution OH Open Wire Conductor	km	855	854	(1)	4
6	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-		-	N/A
7	HV	Distribution Line	SWER conductor	km	_		-	N/A
8	HV	Distribution Cable	Distribution UG XLPE or PVC	km	109	118	9	4
9	HV	Distribution Cable	Distribution UG PILC	km	118	116	(2)	4
0	HV	Distribution Cable	Distribution Submarine Cable	km	_		-	N/A
1	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	31	38	7	4
2	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	N/A
3	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,078	2,918	(160)	3
4	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	,,	-	N/A
5	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	129	135	6	3
5	HV	Distribution Transformer	Pole Mounted Transformer	No.	1,602	1,604	2	4
7	HV	Distribution Transformer	Ground Mounted Transformer	No.	935	942	7	4
B	HV	Distribution Transformer	Voltage regulators	No.	-		-	N/A
9	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-		-	N/A
0	LV	LV Line	LV OH Conductor	km	517	507	(10)	4
1	LV	LV Cable	LV UG Cable	km	477	480	3	4
2	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	66	65	(1)	3
3	LV	Connections	OH/UG consumer service connections	No.	43,369	43,672	303	3
4	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	118	118	-	3
5	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
6	All	Capacitor Banks	Capacitors including controls	No	-		-	N/A
,	All	Load Control	Centralised plant	Lot	2	2	-	4
8	All	Load Control	Relays	No	1,924	1,924	_	2
9	All	Civils	Cable Tunnels	km	2,524	2,524		N/A

Commerce Commission Information Disclosure Temp	late
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501		96: ASSET AGE PROFIL																							Net	work / Sc	Compa For Ye ub-netwo	or Ended			ctra Limit March 20		
	chedule requ	res a summary of the age profile (bar	ed on year of installation) of the assets that make up the network, by asset calo	legory and	asset class.	All units rel	ting to cabl	e and line a	usets, that i	ire express	rd in km, re			t disclosure																			
		Disclosure Year (year ended)	E1 March 2016	-								NUTON	r of assets a	e discioluit	year end b	A NOCHIDA	on dase														items at P		
	Voltage	Asset category	Asset class	Units	pre-1940	1940	1950	1960	1970 -1979	1980	1990	2000	2001	2002	2009	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016		age unknown		default i dates	Data acc
L	AL	Overhead Line	Concrete poles / steel structure	No.	1.539	22	203	\$218	\$170	4.2%	496	26	22	22	73	65	107	117	128	122	161	158	114	264	154	156	173	285	Г (Г	1	20.233		3
	AL	Overhead Line	Wood poles	No.		40	52				276										8	9	6	8	12	1				815	1,228		
	All	Overhead Line	Other pole types	No.																											-		N,
	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km		z	-		72	8	20	-	-	4	-	-	-	2	-	-	-	-	-	-		2	1	1			152		4
	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km																									L				N
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (KLPE)	km							13			1	6									5					L	- 4	29		4
	HV	Subtransmission Cable	Subtransmission U.G up to 66kV (OII pressurised)	km	<u> </u>																												N.
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km																								<u> </u>					N
	HV HV	Subtransmission Cable	Subtransmission U.G. up to 66kV (PLC) Subtransmission U.G. 100kV+ (NLPE)	km km	<u> </u>	-																	-					<u> </u>					~
	HY	Subtransmission Cable	Subtransmission UG 120KV+ (RDK) Subtransmission UG 120KV+ (DI pressurised)	km.		-							l –															<u> </u>					N
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Cir pressurised) Subtransmission UG 110kV+ (Gas Pressurised)	km		-							l –															<u> </u>					
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PLC)	km	1	1							1															<u> </u>			-		N
	HV	Subtransmission Cable	Subtransmission submarine cable	km																											-		
	HV	Zone substation Buildings	Zone substations up to 66kV	No.					2	2	3			1								1									10		
	HV	Zone substation Buildings	Zone substations 110kV+	No.																											-		8
	HV	Zone substation switchgear	SQ/66/110kV CB (Indoor)	No.																											-		5
	HV	Zone substation switchgear	S0/66/110kV CB (Outdoor)	No.																											-		۵
	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																													N
	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.				2	12	17	27										2		7						L		68		
	HV	Zone substation switchgear	33kV RMU	No.	_																								/ L				N
	HV	Zone substation switchgear	22/23kV CB (Indoor)	No.	-						11			5								10							- L		26		
	HV	Zone substation switchgear	22/23kV CB (Dutdoor)	No.	-	_	_	-	2 12	8	2	_	_	-	3		4	_	_	_		_					_		- H		27		
	HV HV	Zone substation switchgear Zone substation switchgear	3.3/6.6/11/22kV CR (ground mounted) 3.3/6.6/11/22kV CR (pole mounted)	No. No.	-				12	2	34			7	2		1			1		10							/  -		80		
	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-		-											_	_	_		_					-		- H	_	19		
	HV	Distribution Line	Distribution OH Open Wire Conductor	km.			24	101	211	227													-			0	12	20			854		
	HV	Distribution Line	Distribution Oli Aerial Cable Conductor	km						41		•			-			-				-											N
	HV	Distribution Line	SWER conductor	km																_								_			-		ISelec
	HV	Distribution Cable	Distribution UG XLPE or PVC	km				-	2	1	25	1	9	8	2	4	8	4	2	22	30	2	2	2	4	1	8	2			118		
	HV	Distribution Cable	Distribution UG PLC	km				11	44	51	3					1															116		
	HV	Distribution Cable	Distribution Submarine Cable	km																											-		N
	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.							15	2	1	2	3	1	2	2	1	4	1								- C	4	28		
	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.																									_ L				N
	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2	6	19	146	270	200	221	20	44	42	71	72	70	72	22	1 3 3	101	131	27	94	\$3	120	180	201	22	127	2,918		
	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	<u> </u>	<u> </u>				_			L .						_			_			13	_	_	<u> </u>			-		N
	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	<u> </u>	<u> </u>			4	6	7	2	1	2	2	1	1		6	2	9	9	10	15	12	6	22	4		2			
	HV HV	Distribution Transformer Distribution Transformer	Pole Mounted Transformer Ground Mounted Transformer	No. No.	-	2	20	24	222	272	187	19		21	22	41	24	20	40	41	60	101	64	64	20	54	2	26		11	1,604		
	HY	Distribution Transformer	Voltare resulators	No.	<u> </u>			20	144	248	392	- 18	15	20	20		~	24		4	85	24	-		44	29		41		4	962	$\rightarrow$	
	HY	Distribution Substations	Count Mounted Substation Housing	NO.	-	-							-										-					<u> </u>					
	LV	LY Line	LV OH Conductor	km		42	57	129	125	77	24	1	-	7				1	1		1		-	1	1	2	3	3		1	507		
	LV	LV Cable	LV UG Cable	km				21	55	78	59	12		9	17	29	26	23	17	22	26	14	7	1	ŝ	4	6	4		5	480		
	LV	LV Street lighting	LV OH/UG Streetlight circuit	km					_									-	1	-		-								64	65		
	LV	Connections	OH/UG consumer service connections	No.								1,405	651	698	743	721	699	682	678	\$15	362	278	252	2.63	244	249	411	290		34,029	43,672		
	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.					5	22	26			2	2	4	1	8		2	7	14	2	6	5	11	-	-			118		
	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot																		1									1		
	All	Capacitor Ranks	Capacitors including controls	No																											-		5
	All	Load Control	Centralised plant	Lat							1											1									2		
	All	Load Control	Relays	No								16	21	21	20	22	5	20	42	53	22	17	27	22	22	29	-	-		1,436	1,924		
	AL	Ovils	Cable Turnels	km																													

	Company Name		Electra Limited	
	For Year Ended		31 March 2016	
	Network / Sub-network Name			
CLU	EDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
				and the first
	nedule requires a summary of the key characteristics of the overhead line and underground cable network. All units rel iit lengths.	ating to cable and li	ne assets, that are ex	pressed in km,
h ref				
9				
				Total circuit
0	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	length (km)
1	> 66kV	-	-	-
12	50kV & 66kV	-	-	
13	33kV	152	29	1
14	SWER (all SWER voltages)	-	-	-
15	22kV (other than SWER)	-	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	854	234	1,0
17	Low voltage (< 1kV)	507	480	ç
18	Total circuit length (for supply)	1,513	743	2,2
19				
20	Dedicated street lighting circuit length (km)	14	51	
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			
22			100 C	
23	Overhead circuit length by terrain (at year end)	Circuit longth (km)	(% of total overhead length)	
24	Urban	433	29%	
25	Rural	453	31%	
		409	-	
26 27	Remote only Rugged only	- 611	- 40%	
28	Remote and rugged		-	
29	Unallocated overhead lines			
30	Total overhead length	1,513	100%	
31	Total overhead length	1,515	100%	
			(% of total circuit	
32		Circuit length (km)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,858	82%	
			(% of total	
		Circuit length (km)	overhead length)	
34 35	Overhead circuit requiring vegetation management	1,513	100%	

		-						
	C	Company Name	Electra	Limited				
		For Year Ended	31 Ma	rch 2016				
		-						
-	CHEDULE 9d: REPORT ON EMBEDDED NETWORKS							
In	is schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB's netw	work or in another e	mbedded network.					
sch r	ef							
			Number of ICPs	Line charge revenue				
8	Location *		served	(\$000)				
9	N/A							
10								
11								
12								
13								
14 15								
15								
17								
18								
19								
20								
21								
22				-				
23								
24 25								
25	* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB	which is embedded	in another EDB's netw	vork or in another				
26								

	Company Name	Electra Limited
	For Year Ended	31 March 2016
	Network / Sub-network Name	
sc	HEDULE 9e: REPORT ON NETWORK DEMAND	
	schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new	w connections including
	ributed generation, peak demand and electricity volumes conveyed).	
sch re		
8	9e(i): Consumer Connections	
9	Number of ICPs connected in year by consumer type	
10	Consumer types defined by EDB*	Number of connections (ICPs)
11	All	390
12	[EDB consumer type]	
13	[EDB consumer type]	
14	[EDB consumer type]	
15	[EDB consumer type]	
16	* include additional rows if needed	
17 18	Connections total	390
19	Distributed generation	
20	Number of connections made in year	76 connections
21	Capacity of distributed generation installed in year	0.29 <b>MVA</b>
	0a/ii). Custore Domand	
22 23	9e(ii): System Demand	
23		Demand at time
		of maximum coincident
25	Maximum coincident system demand	of maximum
25 26	Maximum coincident system demand GXP demand	of maximum coincident
	· · · · · · · · · · · · · · · · · · ·	of maximum coincident demand (MW)
26 27 28	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand	of maximum coincident demand (MW)
26 27 28 29	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above	of maximum coincident demand (MW) 107 – 107 –
26 27 28	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand	of maximum coincident demand (MW) 107 –
26 27 28 29 30	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points	of maximum coincident demand (MW) 107 - 107 - 107 107
26 27 28 29	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above	of maximum coincident demand (MW) 107 – 107 –
26 27 28 29 30 31	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried	of maximum coincident demand (MW) 107 – 107 – 107 Energy (GWh)
26 27 28 29 30 31 32 33 34	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation	of maximum coincident demand (MW) 107 – 107 – 107 Energy (GWh)
26 27 28 29 30 31 32 33 34 35	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs	of maximum coincident demand (MW) 107 - 107 - 107 Energy (GWh) 439 - - -
26 27 28 29 30 31 32 33 34 35 36	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity supplied to (from) other EDBs	of maximum coincident demand (MW) 107 - 107 - 107 Energy (GWh) 439 - 1 - - - 439
26 27 28 29 30 31 32 33 34 35 36 37	GXP demand         plus       Distributed generation output at HV and above         Maximum coincident system demand         less       Net transfers to (from) other EDBs at HV and above         Demand on system for supply to consumers' connection points         Electricity volumes carried         Electricity supplied from GXPs         less       Electricity supplied from distributed generation         less       Net electricity supplied to (from) other EDBs         Electricity entering system for supply to consumers' connection points         less       Total energy delivered to ICPs	of maximum coincident demand (MW) 107 – 107 – 107 Energy (GWh) 439 – 439 – – 439 – –
26 27 28 29 30 31 32 33 34 35 36	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity supplied to (from) other EDBs	of maximum coincident demand (MW) 107 - 107 - 107 Energy (GWh) 439 - 1 - - - 439
26 27 28 29 30 31 32 33 34 35 36 37 38	GXP demand         plus       Distributed generation output at HV and above         Maximum coincident system demand         less       Net transfers to (from) other EDBs at HV and above         Demand on system for supply to consumers' connection points         Electricity volumes carried         Electricity supplied from GXPs         less       Electricity supplied from distributed generation         less       Net electricity supplied to (from) other EDBs         Electricity entering system for supply to consumers' connection points         less       Total energy delivered to ICPs	of maximum coincident demand (MW) 107 – 107 – 107 Energy (GWh) 439 – 439 – – 439 – –
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity supplied to (from) other EDBs Electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor	of maximum coincident demand (MW) 107 - 107 - 107 Energy (GWh) 439 - - - - - 439 409 409 30 6.8%
26 27 28 30 30 31 32 33 34 35 36 37 38 39 40 41	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs 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 less Total energy delivered to ICPs Electricity losses (loss ratio)	of maximum coincident demand (MW) 107 - 107 - 107 Energy (GWh) 439 - 107 Energy (GWh) 439 - 107 6.8%
26 27 28 30 30 31 32 33 34 35 36 37 38 39 40 41 42	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity soupplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points Electricity less (loss ratio) Load factor Set(iii): Transformer Capacity	of maximum coincident demand (MW) 107 - 107 Energy (GWh) 439 - 107 Energy (GWh) 439 - 439 - - 439 - - - 439 - - - - - - - - - - - - -
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 40 41 42 43	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs 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 Electricity lesses (loss ratio) Load factor Se(iii): Transformer Capacity (EDB owned)	of maximum coincident demand (MW) 107 - 107 Energy (GWh) 439 - 107 Energy (GWh) 439 - 439 - 439 - 0.47 (MVA) 315
26 27 28 30 30 31 32 33 34 35 36 37 38 39 40 41 42	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity soupplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points Electricity less (loss ratio) Load factor Set(iii): Transformer Capacity	of maximum coincident demand (MW) 107 - 107 Energy (GWh) 439 - 107 Energy (GWh) 439 - 439 - - 439 - - - 439 - - - - - - - - - - - - -
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 40 41 42 43 44	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entry supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entry supplied to (from) other EDBs Electricity supplied to (from) other EDBs Electricity supplied to (ICPs Electricity losses (loss ratio) Load factor 9e(iii): Transformer Capacity Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	of maximum coincident demand (MW) 107 - 107 - 107 Energy (GWh) 439 - 107 Energy (GWh) 439 - 439 409 30 6.8% 0.47
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entry supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entry supplied to (from) other EDBs Electricity supplied to (from) other EDBs Electricity supplied to (ICPs Electricity losses (loss ratio) Load factor 9e(iii): Transformer Capacity Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	of maximum coincident demand (MW) 107 - 107 - 107 Energy (GWh) 439 - 107 Energy (GWh) 439 - 439 409 30 6.8% 0.47

		Company Name		tra Limite
		For Year Ended	31	March 201
	Network / S	ub-network Name		
СН	EDULE 10: REPORT ON NETWORK RELIABILITY			
	hedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault r network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and			
	1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.			
ref				
8	10(i): Interruptions			
	latorguntions buildes	Number of interruptions		
9	Interruptions by class	interruptions		
0	Class A (planned interruptions by Transpower)	-		
1	Class B (planned interruptions on the network)	146		
2 3	Class C (unplanned interruptions on the network) Class D (unplanned interruptions by Transpower)			
3 4	Class D (unplanned interruptions by Transpower) Class E (unplanned interruptions of EDB owned generation)			
5	Class F (unplanned interruptions of generation owned by others)			
5	Class G (unplanned interruptions of generation owned by others) Class G (unplanned interruptions caused by another disclosing entity)			
7	Class H (planned interruptions caused by another disclosing entity)			
8	Class I (interruptions caused by parties not included above)			
9	Total	230		
2		230		
1	Interruption restoration	≤3Hrs	>3hrs	
2	Class C interruptions restored within	50	34	
3		· · · · · · · · ·		
	SAIFI and SAIDI by class	SAIFI	SAIDI	
4 5	Class A (planned interruptions by Transpower)	_	-	
5	Class B (planned interruptions on the network)	0.1	19.35	
7	Class C (unplanned interruptions on the network)	1.1	80.71	
8	Class D (unplanned interruptions by Transpower)	-	-	
9	Class E (unplanned interruptions of EDB owned generation)	_	-	
0	Class F (unplanned interruptions of Ebb owned generation) Class F (unplanned interruptions of generation owned by others)		_	
1	Class G (unplanned interruptions caused by another disclosing entity)		_	
2	Class H (planned interruptions caused by another disclosing entity)	_	-	
3	Class I (interruptions caused by parties not included above)	_	-	
4	Total	1.16	100.1	
5				
6	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI	
7	Classes B & C (interruptions on the network)	1.2	100.06	
8				
	Quality with compliant click life, limit	SAIFI reliability	SAIDI reliability	
9	Quality path normalised reliability limit	limit	limit	
0	SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A	
1	* not applicable to exempt EDBs			

		Company Name		Limited
		For Year Ended	31 Mar	ch 2016
	Network / S	ub-network Name		
HEC	DULE 10: REPORT ON NETWORK RELIABILITY			
their n	dule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and 4 of the ID determination), and so is subject to the assurance report required by section 2.8.			
2	10(ii): Class C Interruptions and Duration by Cause			
3				
1	Cause	SAIFI	SAIDI	
5	Lightning	0.0	0.07	
5	Vegetation	0.3	18.71	
7	Adverse weather	0.0	0.58	
8	Adverse environment	0.0	1.51	
19	Third party interference	0.1	7.54	
50	Wildlife	0.3	20.29	
51	Human error	0.0	0.73	
52	Defective equipment	0.3	27.95	
53	Cause unknown	0.1	3.33	
54				
5	10(iii): Class B Interruptions and Duration by Main Equipment Involved			
6				
7	Main equipment involved	SAIFI	SAIDI	
8	Subtransmission lines	-	-	
9	Subtransmission cables	-	-	
0	Subtransmission other	-	-	
1	Distribution lines (excluding LV)	0.0	5.27	
52	Distribution cables (excluding LV)	-	0.05	
3	Distribution other (excluding LV)	0.0	14.03	
54	10(iv): Class C Interruptions and Duration by Main Equipment Involved			
5				
6	Main equipment involved	SAIFI	SAIDI	
7	Subtransmission lines	0.3	18.77	
8	Subtransmission cables	-	-	
59	Subtransmission other	-	-	
70	Distribution lines (excluding LV)	0.7	50.85	
71	Distribution cables (excluding LV)	0.1	6.30	
72	Distribution other (excluding LV)	0.0	4.79	
73	10(v): Fault Rate			
				Fault rat
74	Main equipment involved	Number of Faults Ci		per 10
75	Subtransmission lines	2	152	
76	Subtransmission cables	-	29	
77	Subtransmission other	-		
78	Distribution lines (excluding LV)	102	854	
79	Distribution cables (excluding LV)	7	234	
80 81	Distribution other (excluding LV) Total	119 230		



# EDB Information Disclosure Requirements Information Templates

for Schedules 5f & 5g

Company Name Disclosure Date Disclosure Year (year ended)

Electra Limited
26 August 2016
31 March 2016

Templates for Schedules 5f & 5g Template Version 4.1. Prepared 24 March 2015

# **Table of Contents**

# Schedule Schedule name

5f <u>REPORT SUPPORTING COST ALLOCATIONS</u>

5g REPORT SUPPORTING ASSET ALLOCATIONS

# **Disclosure Template Instructions**

These templates have been prepared for use by EDBs when making disclosures under subclause 2.3.2 of the Electricity Distribution Information Disclosure Determination 2012.

# Instructions for completing schedules 5f & 5g

When completing schedules 5f & 5g, EDBs are only required to report on cost or asset values that are not directly attributable. If EDBs do not have any cost or asset values that are not directly attributable, they should indicate this on the first "Insert cost description" input box.

EDBs are required to submit schedules 5f & 5g to the Commission even if they do not have any cost or asset values that are not directly attributable.

# **Company Name and Dates**

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

The cell C12 entry (current year) is used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).

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

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

# Data Entry Cells and Calculated Cells

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

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

# Validation Settings on Data Entry Cells

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

### Inserting Additional Rows

The templates for schedules 5f and 5g may require additional rows to be inserted in tables. Additional rows must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals. Column A schedule references should not be entered in additional rows.

## Schedule References

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

							Company Name		Electra Limited	3
							For Year Ended		31 March 201	-
 EDULE 5f: REPORT SUPPORTING COST ALLOCATIO	NC						TOT TEUR ENGEG		51 10101 201	
hedule requires additional detail on the asset allocation methodology applied in Commission.	allocating asset values th	at are not directly a	ttributable, to suppo	rt the information p	provided in Schedule	5d (Cost allocations	<ol> <li>This schedule is no</li> </ol>	t required to be pub	blicly disclosed, but	must be disclos
formation is part of audited disclosure information (as defined in section 1.4 of th	e ID determination), and	so is subject to the	assurance report rec	uired by section 2.8	8.					
		1								
Have costs been allocated in aggregate using ACAM in accordance with	Yes									
clause 2.1.1(3) of the IM Determination?	Tes									
		1								
				Allocator Metric (%)			Value alloc	ated (\$000)		
				Electricity	Non-electricity		Electricity	Non-electricity		OVABAA allocation
	Allocation			distribution	distribution	Arm's length	distribution	distribution		increase
Line Item*	methodology type	Cost allocator	Allocator type	services	services	deduction	services	services	Total	(\$000)
Service interruptions and emergencies										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]							
Insert cost description	e.g. ABAA	Allocator 2	[Select one]		1					
Insert cost description	e.g. ABAA	Allocator 3	[Select one]							
Insert cost description	e.g. ABAA	Allocator 4	[Select one]							
Not directly attributable						-	-	-		
Vegetation management										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]							
Insert cost description	e.g. ABAA	Allocator 2	[Select one]							
Insert cost description	e.g. ABAA	Allocator 3	[Select one]							
Insert cost description	e.g. ABAA	Allocator 4	[Select one]							
Not directly attributable						-	-	-		
Routine and corrective maintenance and inspection										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 2	[Select one]							
Insert cost description	e.g. ABAA	Allocator 3	[Select one]							
Insert cost description	e.g. ABAA	Allocator 4	[Select one]							
Not directly attributable						-	-	-		-
Asset replacement and renewal										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]							
Insert cost description	e.g. ABAA	Allocator 2	[Select one]							
Insert cost description	e.g. ABAA	Allocator 3	[Select one]							
Insert cost description	e.g. ABAA	Allocator 4	[Select one]		<u> </u>					
Not directly attributable						-	-	-		4

Company Name For Year Endle         Electra Limited 31 March 2016           Start Performance         31 March 2016           Start Performance         32 March 2016           March 2016         32 March 2016<	
Steputs 5f. REPORT SUPPORTING COST ALLOCATIONS         This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be di to to commission.         This information is part of audited disclosure information (as defined in section 1.4 of the D determination), and so is subject to the assurance report required by section 2.8.         System Operations and network support         Insert cost description       e.g. ABAA       Allocator 1       [Select one]       Image: Cost description       Image: Cost description       e.g. ABAA       Allocator 2       [Select one]       Image: Cost description       Image: Cost description       e.g. ABAA       Allocator 3       [Select one]       Image: Cost description       Image: Cost description       e.g. ABAA       Allocator 4       [Select one]       Image: Cost description       Image: Cost d	
This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be directly attributable to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be directly attributable.         Insert cost description       e.g. ABAA       Allocator 1       [Select one]       Insert cost description       e.g. ABAA       Allocator 3       [Select one]       Insert cost description       e.g. ABAA       Allocator 1       [Select one]       Insert cost description       e.g. ABAA       Allocator 2       [Select one]       Insert cost description       e.g. ABAA       Allocator 1       [Select one]       Insert cost description       e.g. ABAA       Allocator 2       [Select one]       Insert cost description       e.g. ABAA       Allocator 3       [Select one]       Insert cost description	
This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed in the commission. 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.  Scherer System operations and network support  Insert cost description  e.g. ABAA Allocator 1 [Select one]  Insert cost description  e.g. ABAA Allocator 2 [Select one]  Insert cost description  e.g. ABAA Allocator 3 [Select one]  Corporate & Governance  ACAM Allocator 1 [Select one]  Corporate & Governance  ACAM Allocator 1 [Select one]  Corporate & Governance  ACAM Allocator 3 [Select one]  Insert cost description  e.g. ABAA Allocator 3 [Select one]  ACAM Allocator 3 [Select one] ACAM Allocator 3 [Select one] ACAM Alloca	
37       System operations and network support         38       Insert cost description       e.g. ABAA       Allocator 1       [Select one]       Image: Cost description	closed
38       Insert cost description       e.g. ABAA       Allocator 1       [Select one]       Image: Cost description       Image:	
39       Insert cost description       e.g. ABAA       Allocator 2       [Select one]       and       <	
40       Insert cost description       e.g. ABAA       Allocator 3       [Select one]       Image: Cost description       Image:	
41       Insert cost description       e.g. ABAA       Allocator 4       [Select one]       Image: Construction 4	
Allocator 1       Corporate & Governance       ACAM       Allocator 1       Causal       100.00%       3,267       3,267       3,267         Insert cost description       e.g. ABAA       Allocator 2       [Select one]       0	
44     Corporate & Governance     ACAM     Allocator 1     Causal     100.00%     0     3,267     3,267       45     Insert cost description     e.g. ABAA     Allocator 2     [Select one]     0     0     0     0     0       46     Insert cost description     e.g. ABAA     Allocator 3     [Select one]     0     0     0     0     0       47     Insert cost description     e.g. ABAA     Allocator 4     [Select one]     0     0     0     0       48     Not directly attributable     Not directly attributable      3,267     3,267     3,267	-
45       Insert cost description       e.g. ABAA       Allocator 2       [Select one]       and       <	
46     Insert cost description     e.g. ABAA     Allocator 3     [Select one]     Image: Cost description     Image: Cost des	
47     Insert cost description     e.g. ABAA     Allocator 4     [Select one]     Image: Cost of the second	
48         Not directly attributable         3,267         3,267           49	
49	
	-
50 Operating costs not directly attributable - 3,267 - 3,267	
	-
51	
52 Pass through and recoverable costs	
53 Pass through costs	
53     Fass through costs       54     Insert cost description       e.g. ABAA     Allocator 1       [Select one]	
S4     Insert cost description     e.g. ABAA     Allocator 2     [Select one]     Image: Cost description     Image: Cost description	
56 Insertost description e.g. ABAA Allocator 3 [Selectione]	
Solution     Line (cost description)     Line (cost description)       57     Insert cost description     e.g. ABAA     Allocator 4     [Select one]	
St         Not directly attributable	
59 Recoverable costs	
60     Insert cost description     e.g. ABAA     Allocator 1     [Select one]	
61     Insert cost description     e.g. ABAA     Allocator 2     [Select one]	
62     Insert cost description     e.g. ABAA     Allocator 3     [Select one]	
63 Inserticist description e.g. ABAA Allocator 4 [Selectione]	
64 Not directly attributable	·
65 * include additional rows if needed	

									Company Name		Electra Limited	l i i i i i i i i i i i i i i i i i i i
									For Year Ended		31 March 2016	5
СНЕ	יווס	E 5g: REPORT SUPPORTING ASSET ALLOCATION	\$						l.			
This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be												
		quires additional detail on the asset allocation methodology applied in alloca Commission.	iting asset values that	are not directly at	ributable, to support	the information pr	rovided in Schedule 5	se (Report on Asset	Allocations). This sch	edule is not require	d to be publicly disc	losed, but must be
		is part of audited disclosure information (as defined in section 1.4 of the ID)	determination), and s	o is subject to the a	issurance report requ	uired by section 2.8						
		· · · · · · · · · · · · · · · · · · ·		· · · · · , · · · · · · · · · · · · · ·								
h ref												
7			·									
		Have assets been allocated in aggregate using ACAM in accordance with	No.									
8		clause 2.1.1(3) of the IM Determination?	Yes									
9												
10		Allocator Metric (%) Value allocated (\$000)			ated (\$000)							
						Floatricity	Non electricity		Electricity	Non electricit		
			Allocation			Electricity distribution	Non-electricity distribution	Arm's length	Electricity distribution	Non-electricity distribution		OVABAA allocation
11		Line Item*	methodology type	Allocator	Allocator type	services	services	deduction	services	services	Total	increase (\$000)
	Cubt	ransmission lines										
2 3	Subt	Insert asset description	e.g. ABAA	Allocator 1	[Select one]	[	1	1	1	[		1
4		Insert asset description	e.g. ABAA	Allocator 1 Allocator 2	[Select one]							
5		Insert asset description	e.g. ABAA	Allocator 3	[Select one]							
16		Insert asset description	e.g. ABAA	Allocator 4	[Select one]							
7	No	ot directly attributable			[0000000]			-	_	-		
8	Subt	ransmission cables			•		-	1	1	r	-	
9		Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-	
0		Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
1		Insert asset description	e.g. ABAA	Allocator 3	[Select one]		-				-	
2		Insert asset description	e.g. ABAA	Allocator 4	[Select one]		I				-	
3		ot directly attributable							-	-		
4	Zone	substations										
5		Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-	
6		Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
7		Insert asset description	e.g. ABAA	Allocator 3	[Select one]							
28		Insert asset description	e.g. ABAA	Allocator 4	[Select one]		1					
29     Not directly attributable												
80	Distr	ibution and LV lines										
1		Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-	
32		Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
33		Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-	
34		Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-	
35	No	ot directly attributable						-	-	-	-	-

					Company Nam	2	Electra Limited
					For Year Ende	d	31 March 2016
EDULE 5g: REPORT SUPPORTING ASSET A	LLOCATIONS						
hedule requires additional detail on the asset allocation methodolo		at are not directly at	tributable, to support the infor	nation provided in Scho	dule Se (Report on Asset Allocations) This	chodulo is not roquir	ed to be publicly disclosed, but mu
ed to the Commission.	gy applied in allocating asset values the	at are not unectly at	indutable, to support the mor	nation provided in Sche	dule se (Report on Asset Allocations). This s	chedule is not requi	ed to be publicly disclosed, but hit
formation is part of audited disclosure information (as defined in se	ction 1.4 of the ID determination), and	so is subject to the a	assurance report required by se	ction 2.8.			
Distribution and LV cables	T	1	<u>т т</u>				
Insert asset description	e.g. ABAA	Allocator 1	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 2	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 3	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 4	[Select one]				-
Not directly attributable					-	-	
Distribution substations and transformers							
Insert asset description	e.g. ABAA	Allocator 1	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 2	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 3	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 4	[Select one]				-
Not directly attributable					-	-	
					<u>.</u>		
Distribution switchgear							
Insert asset description	e.g. ABAA	Allocator 1	[Select one]				_
Insert asset description	e.g. ABAA	Allocator 2	[Select one]				_
Insert asset description	e.g. ABAA	Allocator 3	[Select one]				
Insert asset description	e.g. ABAA	Allocator 4	[Select one]				
Not directly attributable	C.g. ADAA	Anocator	[beleet one]	l		-	
Other network assets							
Insert asset description	e.g. ABAA	Allocator 1	[Select one]				
Insert asset description	e.g. ABAA	Allocator 2	[Select one]				
Insert asset description	e.g. ABAA	Allocator 3	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 4	[Select one]				
Not directly attributable					-	-	
Non-network assets							
Insert asset description	e.g. ABAA	Allocator 1	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 2	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 3	[Select one]				-
Insert asset description	e.g. ABAA	Allocator 4	[Select one]				-
Not directly attributable					-	-	
Regulated service asset value not directly attributable					-	-	
* include additional rows if needed							

Company Name	Electra Limited					
For Year Ended	31 March 2016					

# Schedule 14 Mandatory Explanatory Notes

- 1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
- 2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
- 3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

# Return on Investment (Schedule 2)

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

# Box 1: Explanatory comment on return on investment

ROI has been calculated on the same basis as 2015 and there have been no reclassified items.

Electra's ROI under both a vanilla and post-tax approach is greater than the 75<sup>th</sup> percentile WACC which applies for Information Disclosure. ROI has increased due to lines charge revenue which was higher than the prior year due to an increase in Energy delivered to ICPs in the current disclosure year.

Cost of debt assumption 2016 5.26% (2015 6.36%).

There have been no reclassified items.

# Regulatory Profit (Schedule 3)

- 5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
  - 5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3

5.2 information on reclassified items in accordance with subclause 2.7.1(2).

# Box 2: Explanatory comment on regulatory profit

Material items included in "other regulatory line income" for 2016 include the following:

- Metering reconciliation (\$173K)
- Transmission rental rebate \$400k
- Energy response \$68k
- Accidents on charged \$117k
- Saturn Cabling and Pole rentals \$125k
- Bad Debts recovered \$6k

There have been no reclassified items.

Merger and acquisition expenses (3(iv) of Schedule 3)

- 6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-
  - 6.1 information on reclassified items in accordance with subclause 2.7.1(2)
  - 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

**Box 3: Explanatory comment on merger and acquisition expenditure** There has been no merger or acquisition expenditure in 2016.

There have been no reclassified items.

# Value of the Regulatory Asset Base (Schedule 4)

7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)** The Regulatory Asset Base (RAB) has increased by \$11.4m during the 2016 disclosure year. This increase was primarily due to the increase in assets commissioned (an increase of \$8.5m compared to the previous year.

- Subtransmission lines Assets have decreased by \$2.1m (FY2016 \$6.8m and FY2015 \$8.9m). This is due to reclassifying 33kv underground to subtransmission cables, refer below to Subtransmission cables.
- Subtransmission cables Assets have increased by \$3.8m (FY2016 \$10m and FY2015 \$6.2m).
   \$2.1m relates to aforementioned reclassification and the remaining \$1.7m relates to cabling works including Valley Road to Paraparaumu substation, Tararua Road and Shannon to Mangahao.
- Zone substations Assets have increased by \$0.3m (FY2016 \$26.1m and FY2015 \$25.8m).
- Distribution and LV line Assets have increased by \$1.7m (FY2016 \$28.9m and FY2015 \$27.2m). This is largely due to cross arm replacement costs which were previously classified as OPEX and in 2016 have been reviewed and treated as CAPEX. Additionally, (\$0.6m) has been reclassified to Distribution and LV Cables, refer below and (\$0.6m) reclassified to Other Network Assets (\$0.6m), refer below.
- Distribution and LV cables Assets have increased by \$1.2m (FY2016 \$36.3m and FY2015 \$35.1m). \$0.6m relates to the aforementioned reclassification and the remaining \$0.6m relates to the 11kv underground work done on Rosetta Road.
- Distribution substations and transformers Assets have increased by \$2.4m due to commissioning of transformers (FY2016 \$25.2m and FY2015 \$22.8m).
- Distribution switchgear have increased by \$1.8m (FY2016 \$9.7m and FY2015 \$7.9m).
- Other Network Assets have increased by \$1.7m (FY2016 \$12.5m and FY2015 \$10.8m). \$0.6m relates to the aforementioned reclassification from Distribution and LV line relating to 400v Pillars and \$0.6m relates to the Outage Management System and SCADA.
- Non-network Assets have increased by \$0.4m (FY2016 \$2.4m and FY2015 \$2m) mainly due to the Server and Navision upgrade.

Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a)

- 8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
  - 8.1 Income not included in regulatory profit / (loss) before tax but taxable;
  - 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
  - 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
  - 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

# Box 5: Regulatory tax allowance: permanent differences

Income not included in regulatory profit / (loss) before tax but taxable:

- Interest received \$243k
- IFRIC 18 income (vested assets) \$715k
- Mangahao JV AC loss rental rebate \$203k
- Miscellaneous Income \$99K

Expenditure or loss in regulatory profit / (loss) before tax but not deductible \$23k.

Total Revaluations

• Opening RAB revaluations \$855k due to 0.59% revaluation (0.08% revaluation in the prior year).

Income included in regulatory profit / (loss) before tax but not taxable \$0.

Expenditure or loss deductible but not in regulatory profit / (loss) before tax \$19k.

Regulatory tax allowance: disclosure of temporary differences (5a(vi) of Schedule 5a)

9. In the box below, provide descriptions and workings of material items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

**Box 6: Tax effect of other temporary differences (current disclosure year)** Temporary differences amount to \$11k comprising of 28% of the following movements in provisions:

- ACC (\$18k)
- Doubtful debts \$56k
- Employee entitlements \$2k

# Related party transactions: disclosure of related party transactions (Schedule 5b)

10. In the box below, provide descriptions of related party transactions beyond those disclosed on Schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under subclause 2.3.6(1)(b).

# Box 7: Related party transactions

The primary related party transactions relate to the services performed by Electra's Distribution Operations division. They provide Network maintenance and capital works contract services to the EDB.

• There were no related party transactions beyond those disclosed in schedule 5b.

# Cost allocation (Schedule 5d)

11. In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

# Box 8: Cost allocation

All costs are directly attributable to the regulated service with the exception of \$3.3 million business support costs.

There have been no reclassified items.

# Asset allocation (Schedule 5e)

12. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

# Box 9: Commentary on asset allocation Directly attributable, network business assets \$158 million.

All assets are directly attributable to the regulated service with the exception of \$2.4 million non-network assets.

There have been no reclassified items.

# Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-

- 13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
- 13.2 information on reclassified items in accordance with subclause 2.7.1(2),

Box 10: Explanation of capital expenditure for the disclosure year Materiality threshold applied to identify material projects and programmes \$500k.

There have been no reclassified items.

# *Operational Expenditure for the Disclosure Year (Schedule 6b)*

- 14. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-
  - 14.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;
  - 14.2 Information on reclassified items in accordance with subclause 2.7.1(2);
  - 14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

# Box 11: Explanation of operational expenditure for the disclosure year Operational expenditure in the disclosure year has remained the same compared to that reported for the 2015 disclosure year (\$10.6m).

Service interruptions and emergencies was higher due to a Ripple Plant Failure and a tree related fault at Pekapeka, offset by reduced asset replacement and renewal expenditure due to the change in treatment of cross arm replacement expenditure (from OPEX to CAPEX).

There have been no reclassified items.

# Variance between forecast and actual expenditure (Schedule 7)

15. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

# Box 12: Explanatory comment on variance in actual to forecast expenditure Expenditure on Assets

Overall Expenditure on Assets was \$4.5m over forecast. This variance is largely due to the Tongariro substation being brought forward, the change in accounting treatment of crossarms and the purchase of non-network assets. This was partially offset by lower system growth and customer connections.

Electra has a contracting arm and the margin relating to these transactions has been eliminated to the extent it was charged in relation to CAPEX.

- Customer connections Actual \$0 Forecast \$111k
   The only customer connections incurred were for 3<sup>rd</sup> party and they are all vested assets. Electra Limited incurred none. Forecast customer connections in the AMP is based on a contribution formula relating to the size and type of developments. This is customer led and there were no large/industrial developments in 2016 resulting in the under spend.
- System growth Actual \$20k Forecast \$166k Expenditure in this category was below forecast due to:
  - The AMP states that when a feeder reaches 75% of its capacity it meets the threshold for system growth. The Tongariro cable project was forecast as system growth on the basis that it was expected to reach 75% capacity. However, due to stalled growth in the region it did not meet the 75% threshold and the project did not meet the system growth threshold. However, the project still went ahead as Reliability project – refer below.
  - Redefinition of the 11kV cable project from System Growth to Asset Replacement and renewal.
- Asset replacement and renewal Actual \$11.6m Forecast \$8.6m
   Expenditure in this category was over forecast mainly due to completion of prior year works for pole renewal, replacements and redefinition of 11kV cable project from System growth and change in accounting recognition of cross-arms from operational expenditure to capital expenditure. Another contributing factor were the increased costs relating to Zone substations, particularly bringing forward the estimation completion date of the Tongariro substation.
- Asset Relocations Actual \$183k Forecast \$0 No planned relocations when forecasting was done. This relates to relocating switchgear on Weggery Drive and 33kv cables on Matai Road.
- Reliability, safety and environment Actual \$1.7m Forecast \$1m Expenditure in this category was over forecast mainly due to the Self-Healing network with Schneider Electric in Opiki. Other contributors were various cabling projects that were brought forward for efficiency to tie in with cross-arm replacements.

Non-network assets – Actual \$788k Forecast \$0
 The main driver of this expenditure relates to unbudgeted software such as an outage system, vehicle tracker, Navision upgrade, customer relationship management system and a document management system.

# **Operational Expenditure**

Overall, Operational Expenditure was \$2.9m over forecast. The following commentary is provided for material variances:

- Asset replacement and renewal Actual \$1.2m Forecast \$1.6m Expenditure in this category was under due to the change in the accounting treatment of cross-arms (now recognised as capital rather than operational expenditure) but this was partly offset by the catch up in work deferred from previous years.
- Routine and corrective maintenance and inspection Actual \$0.6m Forecast \$0.7m
- Non-network operational expenditure Actual \$5.7m Forecast \$2.3m
   Forecast excluded costs in business support divisions. These relate to Salaries and Director costs, Insurance, HR and ICT. For AMP purposes Electra has historically not included these costs, however for 2017-2027 they will be included.

Information relating to revenues and quantities for the disclosure year

- 16. In the box below provide-
  - 16.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and
  - 16.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

**Box 13: Explanatory comment relating to revenue for the disclosure year** Total billed line charge revenue for 2016 \$39.9m (forecast \$38.3m).

Actual units sold exceeded target levels by 1.8%.

Network losses were on target at 6.8%.

# Network Reliability for the Disclosure Year (Schedule 10)

17. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10.

# Box 14: Commentary on network reliability for the disclosure year

Network reliability for the year was above expected levels for SAIDI (actual 100.06 compared to target under 83) and below expected levels for SAIFI (actual 1.2 compared to target under 1.67).

SAIDI was adversely impacted by the duration of the following significant events in the 2016 disclosure period:

- 6 July 2015 Tree vs lines fault at Peka Peka 0.726 SAIDI and 0.02 SAIFI.
- 9 Nov 2015 33kV Supply lost to Levin East and West substations due to a bird strike near Mangahao which had 18.04 mins SAIDI and 0.3 SAIFI impact.
- 6 March 2016 a truck hit stay wire in Otaki which had 2.7mins SAIDI and 0.3 SAIFI impact.

# Insurance cover

- 18. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-
  - 18.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
  - 18.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

# Box 15: Explanation of insurance cover

Electra Limited had material damage replacement cover for Network assets to the following sums insured in 2015-16:

Buildings: \$9.4m

Stock: \$2.7m

Plant, computers & contents: \$38.8m

The physical network outside of the substations is self-insured as the cost of obtaining insurance cover for these network assets is deemed more expensive than the assessment of potential losses to Electra Limited.

Electra Limited has motor vehicle cover for all vehicles owned or used by Electra Limited up to the market value of the vehicle at the time of loss – maximum for any one vehicle (except as advised) \$250k.

# Amendments to previously disclosed information

- 19. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
  - 19.1 a description of each error; and
  - 19.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

**Box 16: Disclosure of amendment to previously disclosed information** Nothing to report. Company Name Electra Limited

For Year Ended 31 March 2016

# Schedule 14a Mandatory Explanatory Notes on Forecast Information

- 1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.
- 2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

# *Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a)*

3. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11a.

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts Current disclosure year – nil, no impact.

10-year planning period – Annual CPI allowance for increased cost based on construction and compliance costs.

*Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)* 

4. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11b.

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts Current disclosure year – nil, no impact.

10-year planning period – Annual CPI allowance for increased cost based on construction and compliance costs.

Company Name	Electra Limited				
For Year Ended	31 March 2016				

# Schedule 15 Voluntary Explanatory Notes

- 1. This schedule enables EDBs to provide, should they wish to-
  - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;
  - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
- 2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
- 3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information [Insert text below]



# INDEPENDENT AUDITOR'S REPORT TO THE DIRECTORS OF ELECTRA LIMITED AND TO THE COMMERCE COMMISSION

The Auditor-General is the auditor of Electra Limited (the company). The Auditor-General has appointed me, Dave Shadwell, using the staff and resources of Deloitte, to provide an opinion, on her behalf, on whether the information disclosed in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the system average interruption duration index ('SAIDI') and system average interruption frequency index ('SAIFI') information disclosed in Schedule 10 and the explanatory notes in boxes 1 to 12 in Schedule 14 ('the Disclosure Information') for the disclosure year ended 31 March 2016, have been prepared, in all material respects, in accordance with the Electricity Distribution Information Disclosure Determination 2012 (the 'Determination').

#### Directors' responsibility for the Disclosure Information

The directors of the company are responsible for preparation of the Disclosure Information in accordance with the Determination, and for such internal control as the directors determine is necessary to enable the preparation of the Disclosure Information that is free from material misstatement.

#### Auditor's responsibility for the Disclosure Information

Our responsibility is to express an opinion on whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

#### **Basis of opinion**

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised) *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* issued by the External Reporting Board and the Standard on Assurance Engagements 3100: *Compliance Engagements* issued by the External Reporting Board.

These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Disclosure Information has been prepared in all material respects in accordance with the Determination.

We have performed procedures to obtain evidence about the amounts and disclosures in the Disclosure Information. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the Disclosure Information, whether due to fraud or error or non-compliance with the Determination. In making those risk assessments, we considered internal control relevant to the company's preparation of the Disclosure Information in order to design procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.

We also evaluated:

- the appropriateness of assumptions used and whether they have been consistently applied; and
- the reasonableness of the significant judgements made by the directors of the company.

#### Use of this report

This independent assurance report has been prepared solely for the directors of the company and for the Commerce Commission for the purpose of providing those parties with reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the company or the Commerce Commission, or for any other purpose than that for which it was prepared.

# Deloitte.

#### Scope and inherent limitations

Because of the inherent limitations of a reasonable assurance engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Disclosure Information nor do we guarantee complete accuracy of the Disclosure Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information.

The opinion expressed in this independent assurance report has been formed on the above basis.

#### Independence and quality control

When carrying out the engagement, we complied with the Auditor-General's:

- independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 (Revised) issued by the New Zealand Auditing and Assurance Standards Board; and
- quality control requirements, which incorporate the quality control requirements of Professional and Ethical Standard 3 (Amended) issued by the New Zealand Auditing and Assurance Standards Board.

We also complied with the independence requirements specified in the Determination.

#### Opinion

In our opinion:

- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the company;
- As far as appears from an examination, the information used in the preparation of the Disclosure Information has been properly extracted from the company's accounting and other records and has been sourced, where appropriate, from the company's financial and non-financial systems; and
- The Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

In forming our opinion, we have obtained sufficient recorded evidence and all the information and explanations we have required.

Dave Shadwell Deloitte Limited On behalf of the Auditor-General Wellington, New Zealand 16 August 2016

# CERTIFICATION FOR YEAR-END DISCLOSURES

(Pursuant to Clause 2.9.2 of Section 2.9) Commerce Act (Electricity Distribution Services Information Disclosure) Determination 2012)

We, Neil Francis Mackay and Shelly Mitchell-Jenkins, being directors of Electra Limited certify that, having made all reasonable enquiry, to the best of our knowledge -

- a) The information prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1 and 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) The historical information used in the preparation of Schedules 8,9a, 9b, 9c, 9d, 9e, 10, and 14 has been properly extracted from Electra Limited's accounting records and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained.

Neil Francis Mackay - Director

Shelly Mitchell-Jenkins – Director

26 August 2016

26 August 2016