

EDB Information Disclosure Requirements Information Templates for Schedules 1–10 (Public)

Company Name
Disclosure Date
Disclosure Year (year ended)

Vector

31 August 2015

31 March 2015

Templates for Schedules 1–10 excluding 5f–5g Template Version 4.1. Prepared 24 March 2015

Table of Contents

Schedule	Schedule name
1	ANALYTICAL RATIOS
2	REPORT ON RETURN ON INVESTMENT
3	REPORT ON REGULATORY PROFIT
4	REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)
5a	REPORT ON REGULATORY TAX ALLOWANCE
5b	REPORT ON RELATED PARTY TRANSACTIONS
5c	REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE
5d	REPORT ON COST ALLOCATIONS
5e	REPORT ON ASSET ALLOCATIONS
6a	REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR
6b	REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR
7	COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE
8	REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES
9a	ASSET REGISTER
9b	ASSET AGE PROFILE
9c	REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES
9d	REPORT ON EMBEDDED NETWORKS
9e	REPORT ON NETWORK DEMAND
10	REPORT ON NETWORK RELIABILITY

Disclosure Template Instructions

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

Company Name and Dates

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

The cell C12 entry (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).

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

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

Data Entry Cells and Calculated Cells

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

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

Validation Settings on Data Entry Cells

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

Conditional Formatting Settings on Data Entry Cells

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

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

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

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

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

Inserting Additional Rows and Columns

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

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

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

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

Disclosures by Sub-Network

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

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 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	Vector
For Year Ended	31 March 2015

SCHEDULE 1: ANALYTICAL RATIOS

mu info	s schedule calculates expenditure, revenue and service ratios from the informa st be interpreted with care. The Commerce Commission will publish a summary ormation disclosed in accordance with this and other schedules, and informatio s information is part of audited disclosure information (as defined in section 1.4	y and analysis of info on disclosed under th	rmation disclosed in e other requiremer	n accordance with the task of the determina	ne ID determination tion.	. This will include
ch re	f					
7	1(i): Expenditure metrics	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB- owned distribution transformers (\$/MVA)
9	Operational expenditure	13,415	208	64,785	6,193	27,251
10	Network	5,038	78	24,329	2,326	10,234
11	Non-network	8,377	130	40,456	3,867	17,017
12	F	40.622	204	04.044	0.052	20.002
13 14	Expenditure on assets	19,632 18,554	304 287	94,811	9,063 8,565	39,882 37,691
15	Network Non-network	1,078	17	89,603 5,208	498	2,191
16	Hon-Hetwork	1,078	17	3,208	498	2,191
17	1(ii): Revenue metrics	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)			
19	Total consumer line charge revenue	74,814	1,158	1		
20	Standard consumer line charge revenue	79,101	1,107			
21	Non-standard consumer line charge revenue	34,106	603,867			
?2 ?3 ?4	1(iii): Service intensity measures			'		
5	Demand density	96	Maximum coinc	ident system deman	d per km of circuit l	ength (for supply) (kW/
6	Volume density	462	Total energy del	ivered to ICPs per kr	n of circuit length (f	or supply) (MWh/km)
7	Connection point density	30		of ICPs per km of ci		
8	Energy intensity	15,472	Total energy del	ivered to ICPs per av	verage number of IC	Ps (kWh/ICP)
9 80 81	1(iv): Composition of regulatory income		(\$000)	% of revenue		
2	Operational expenditure		112,188	18.19%		
3	Pass-through and recoverable costs excluding financial incenti	ives and wash-ups	228,553	37.05%		
4	Total depreciation		92,306	14.96%		
5	Total revaluations		2,188	0.35%		
6	Regulatory tax allowance		46,175	7.49%		
7	Regulatory profit/(loss) including financial incentives and wash	h-ups	139,308	22.58%		
88	Total regulatory income		616,862			
19 10 11	1(v): Reliability					
42	Interruption rate		15.35	Interruptions pe	r 100 circuit km	

Company Name	Vector
For Year Ended	31 March 2015

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).

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

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref				
7	2(i): Return on Investment	CY-2	CY-1	Current Year CY
8	_(,,	31 Mar 13	31 Mar 14	31 Mar 15
9	ROI – comparable to a post tax WACC	<u></u> %	%	%
10	Reflecting all revenue earned	7.44%	6.68%	4.64%
11	Excluding revenue earned from financial incentives	7.44%	6.68%	4.64%
12	Excluding revenue earned from financial incentives and wash-ups	7.44%	6.68%	5.09%
13			-	
14	Mid-point estimate of post tax WACC	5.85%	5.43%	6.10%
15	25th percentile estimate	5.13%	4.71%	5.39%
16	75th percentile estimate	6.56%	6.14%	6.82%
17				
18 19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	8.22%	7.37%	5.42%
21	Excluding revenue earned from financial incentives	8.22%	7.37%	5.42%
22	Excluding revenue earned from financial incentives and wash-ups	8.22%	7.37%	5.87%
23		5.22/0	7.3770	3.0770
24	WACC rate used to set regulatory price path	8.77%	8.77%	8.77%
25				
26	Mid-point estimate of vanilla WACC	6.62%	6.11%	6.89%
27	25th percentile estimate	5.91%	5.39%	6.17%
28	75th percentile estimate	7.34%	6.83%	7.60%
29				_
	a/") Information Constitution BOI		(\$000)	
30	2(ii): Information Supporting the ROI		(\$000)	
31				
32	Total opening RAB value	2,618,855		
33	plus Opening deferred tax	(52,259)	2 500 500	
34 35	Opening RIV	L	2,566,596	
36	Line charge revenue		625,681	
37	Line charge revenue	<u> </u>	023,081	
38	Expenses cash outflow	340,741		
39	add Assets commissioned	137,234		
40	less Asset disposals	9,360		
41	add Tax payments	36,106		
42	less Other regulated income	(8,819)		
43	Mid-year net cash outflows	· · · · · · · · · · · · · · · · · · ·	513,540	
44				
45	Term credit spread differential allowance		520	
46				
47	Total closing RAB value	2,656,416		
48	less Adjustment resulting from asset allocation	(195)		
49	less Lost and found assets adjustment			
50	plus Closing deferred tax	(62,328)	2 - 2 - 2 - 2	
51	Closing RIV	L	2,594,283	
52 53	ROI – comparable to a vanilla WACC		ı	5.42%
54	Not - comparable to a validia wacc		L	3.4270
55	Leverage (%)		Г	44%
56	Cost of debt assumption (%)			6.36%
57	Corporate tax rate (%)			28%
58	corporate tax rate (79)		L	2070
59	ROI – comparable to a post tax WACC			4.64%
60			L	

				Company Name		Vector	
				Company Name		31 March 2015	
	CHERLIE 2. REPORT ON RETURN	LONGING TRAFF	\1 T	For Year Ended		51 Warth 2015	
	CHEDULE 2: REPORT ON RETURN			6		A/ACC	CC EDD
	s schedule requires information on the Return on In culate their ROI based on a monthly basis if required						
	st be provided in 2(iii).	,	· · · · · · · · · · · · · · · · · · ·		,		0
	Is must provide explanatory comment on their ROI is information is part of audited disclosure information			an) and so is subject t	o the accurance re	part required by cast	ion 2.0
		on (as defined in section 1	.4 of the 1D determination	orij, ariu so is subject i	o the assurance re	port required by sect	1011 2.6.
sch re 61	2(iii): Information Supporting the	e Monthly ROI					
62	_()eeeapperg						
63	Opening RIV						N/A
64							
65							
66		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
67	April	Tevenue	Guthow	Commissioned	uisposuis	III COINC	-
68	May						-
69	June						-
70	July						-
71 72	August						-
73	September October						
74	November						_
75	December						-
76	January						-
77	February						-
78 79	March Total	_	_	_		_	-
80	Total		_				
81	Tax payments						N/A
82							
83	Term credit spread differential allow	wance					N/A
84							
85	Closing RIV						N/A
86 87							
88	Monthly ROI – comparable to a vanilla	WACC					N/A
89							
90	Monthly ROI – comparable to a post to	ax WACC					N/A
91 92	2(iv): Year-End ROI Rates for Cor	mnarican Durnacac					
93	Z(IV). Tear-Life NOT Rates for Cor	iipaiisoii rui poses					
94	Year-end ROI – comparable to a vanilla	a WACC					5.89%
95							
96	Year-end ROI – comparable to a post t	ax WACC					5.10%
97	* # 100		2012 dil h	500 1		:	- 001
98 99	* these year-end ROI values are compa	rubie to trie kOi reporteu i	n pre 2012 disclosures b	y EDBS and do not rep	resent the commi	ssion's current view o	n koi.
100	2(v): Financial Incentives and Wa	ash-Ups					
101							
102	Net recoverable costs allowed under		tive scheme			-]
103	Purchased assets – avoided transmis	-				_	
104 105	Energy efficiency and demand incen Quality incentive adjustment	tive allowance					-
106	Other financial incentives						
107	Financial incentives						_
108							
109	Impact of financial incentives on ROI						-
110						(45.700)	T
111 112	Input methodology claw-back Recoverable customised price-qualit	y nath costs				(15,780)	
113	Catastrophic event allowance	, patri costs					
114	Capex wash-up adjustment					_	
115	Transmission asset wash-up adjustm	ent				-	
116	2013–2015 NPV wash-up allowance					-	
117	Reconsideration event allowance						
118	Other wash-ups					-	

(15,780)

-0.45%

Impact of wash-up costs on ROI

Wash-up costs

119

120 121

			Company Name		Vector 31 March 2015	
c	CHEDIII	.E 3: REPORT ON REGULATORY PROFIT	For Year Ended		51 Walch 2015	
		.E 3: REPORT ON REGULATORY PROFIT equires information on the calculation of regulatory profit for the EDB for the disclosu	re year All FDRs must co	mnlete all sectio	ns and provide evola	unatory comment
		tory profit in Schedule 14 (Mandatory Explanatory Notes).	re year. All LDBs Illust co	impiete ali sectio	ns and provide expla	inatory comment
Th	nis information	on is part of audited disclosure information (as defined in section 1.4 of the ID determine	nation), and so is subject	to the assurance	e report required by s	section 2.8.
sch re	ef					
7	3(i): R	egulatory Profit				(\$000)
8		Income				
9		Line charge revenue				625,681
10 11	plus plus	Gains / (losses) on asset disposals Other regulated income (other than gains / (losses) on asset disposals)				(9,004) 185
12	pius	other regulated income (other than gains / (1033e3) on asset disposars)				103
13		Total regulatory income				616,862
14		Expenses				
15	less	Operational expenditure				112,188
16					1	
17 18	less	Pass-through and recoverable costs excluding financial incentives and wash-ups			ļ	228,553
19		Operating surplus / (deficit)				276,121
20						
21	less	Total depreciation				92,306
22	nluc	Total revoluctions				2,188
23 24	plus	Total revaluations				2,100
25		Regulatory profit / (loss) before tax				186,003
26						
27	less	Term credit spread differential allowance				520
28 29	less	Regulatory tax allowance			Í	46,175
30	1033	regulatory tax anomalice				10,173
31		Regulatory profit/(loss) including financial incentives and wash-ups				139,308
32						
33	3(ii): I	ass-through and Recoverable Costs excluding Financial Ince	ntives and Wash	-Ups	(\$0	00)
34		Pass through costs				1
35 36		Rates Commerce Act levies			8,353 1,271	
37		Industry levies			1,916	
38		CPP specified pass through costs			-	
39		Recoverable costs excluding financial incentives and wash-ups				1
40		Electricity lines service charge payable to Transpower			194,113	
41 42		Transpower new investment contract charges System operator services			12,381	
43		Distributed generation allowance			10,519	
44		Extended reserves allowance			_	
45		Other recoverable costs excluding financial incentives and wash-ups			_	222.552
46 47		Pass-through and recoverable costs excluding financial incentives and wash-ups			l.	228,553
48	3(iii)	Incremental Rolling Incentive Scheme			(\$0	00)
49	3(,	mercine italian mentine outerne			CY-1	CY
50					31 Mar 14	31 Mar 15
51		Allowed controllable opex				
52 53		Actual controllable opex				
54		Incremental change in year				
55						
					Provious	Previous years' incremental
					Previous years' incremental	change adjusted
56					change	for inflation
57 58		CY-5 31 Mar 10 CY-4 31 Mar 11				
59		CY-3 31 Mar 12			_	
60		CY-2 31 Mar 13			_	_
61		CY-1 31 Mar 14			_	-
62 63		Net incremental rolling incentive scheme				
64		Net recoverable costs allowed under incremental rolling incentive scheme				-
	2/10/					
65 70	5(IV):	Merger and Acquisition Expenditure				(\$000)
66		Merger and acquisition expenditure				(\$000)
67						
		Provide commentary on the benefits of merger and acquisition expenditure to the ele	ectricity distribution busi	ness, including re	quired disclosures in	accordance with
68		section 2.7, in Schedule 14 (Mandatory Explanatory Notes)				
69	3(v): 0	Other Disclosures				
70						(\$000)
71		Self-insurance allowance				

8

	Company Name For Year Ended SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD) This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.							
E	Bs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This informat quired by section 2.8.			tion 1.4 of the ID d	etermination), and s	o is subject to the as	surance report	
7 8 9	4(i): Regulatory Asset Base Value (Rolled Forward)	for year ended	RAB 31 Mar 11 (\$000)	RAB 31 Mar 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)	
10 11	Total opening RAB value		2,364,452	2,453,324	2,489,280	2,536,404	2,618,855	
12 13	less Total depreciation		82,989	87,420	84,718	90,831	92,306	
14 15	plus Total revaluations		56,914	38,147	21,339	38,684	2,188	
16 17	plus Assets commissioned		121,346	102,442	113,902	143,062	137,234	
18 19	less Asset disposals		7,255	17,091	3,348	8,447	9,360	
20 21	plus Lost and found assets adjustment		-	-	-	-	-	
22 23	plus Adjustment resulting from asset allocation		856	(122)	(51)	(17)	(195)	
24 25	Total closing RAB value		2,453,324	2,489,280	2,536,404	2,618,855	2,656,416	
26	4(ii): Unallocated Regulatory Asset Base							
27 28				Unallocat (\$000)	(\$000)	(\$000)	(\$000)	
29 30	Total opening RAB value less			l I	2,628,102	L	2,618,855	
31 32	Total depreciation plus			l r	95,235	L	92,306	
33 34	Total revaluations plus			l	2,196	L	2,188	
35 36	Assets commissioned (other than below) Assets acquired from a regulated supplier			141,048		137,234		
37 38	Assets acquired from a related party Assets commissioned				141,048		137,234	
39 40	less Asset disposals (other than below)			9,360		9,360		
41 42	Asset disposals to a regulated supplier Asset disposals to a related party							
43 44	Asset disposals			l	9,360	L	9,360	
45 46	plus Lost and found assets adjustment			Į	_	L	-	
47 48	plus Adjustment resulting from asset allocation			_		_	(195)	
49	Total closing RAB value * The 'unallocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services	without any allowance being made for	the allocation of costs t	n services provider	2,666,751	are not electricity d	2,656,416	
50	services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes wor		are unocution by costs t	o services provided	by the supplier that	are not electricity as	stribution.	
51	4""							
52 53	4(iii): Calculation of Revaluation Rate and Revaluation of Assets					_		
54 55	CPI ₄ CPI ₄					-	1,193 1,192	
56 57	Revaluation rate (%)					L	0.08%	
58 59			F	Unallocat (\$000)	(\$000)	(\$000)	(\$000)	
60 61	Total opening RAB value less Opening value of fully depreciated, disposed and lost assets		_	2,628,102 10,592		2,618,855 10,313		
62 63	Total opening RAB value subject to revaluation			2,617,510		2,608,542		
64 65	Total revaluations			ļ	2,196	ι	2,188	
66	4(iv): Roll Forward of Works Under Construction							
67			U	nallocated works		Allocated works un		
68 69	Works under construction—preceding disclosure year plus Capital expenditure			136,025	56,919	130,910	56,332	
70 71	less Assets commissioned plus Adjustment resulting from asset allocation		L	141,048		137,234 (71)		
72 73	Works under construction - current disclosure year				51,896	L	49,937	
74 75	Highest rate of capitalised finance applied					L	6.82%	
76	4(v): Regulatory Depreciation							
77 78				Unallocat (\$000)	ed RAB * (\$000)	(\$000)	B (\$000)	
79 80	Depreciation - standard Depreciation - no standard life assets			77,813 17,422		77,813 14,493		
81 82	Depreciation - modified life assets Depreciation - alternative depreciation in accordance with CPP							
83 84	Total depreciation				95,235		92,306	
85	4(vi): Disclosure of Changes to Depreciation Profiles			(\$000 t	nless otherwise spec	ified)		
						Closing RAB value	Clasing CAR	
86	Asset or assets with changes to depreciation*	Reason for non-standare	d depreciation (text on	try)	Depreciation charge for the period (RAB)		Closing RAB value under 'standard' depreciation	
87 88		3, 10.1 30.1001	The state of the s		, , , , , , ,			
89 90								
91								

* include additional rows if needed

Company Name Vector 31 March 2015 For Year Ended

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.

EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch	re	f	

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	82,131	407,043	211,667	274,089	738,040	256,485	140,258	480,265	28,877	2,618,855
100	less Total depreciation	2,110	11,056	8,149	8,382	24,039	8,237	6,365	15,287	8,681	92,306
101	plus Total revaluations	69	340	176	228	619	214	116	403	23	2,188
102	plus Assets commissioned	50	1,267	27,206	20,267	19,557	10,309	14,334	35,551	8,693	137,234
103	less Asset disposals	13	1,155	1,568	1,959	391	1,949	1,964	361	-	9,360
104	plus Lost and found assets adjustment	_	_	_	_	_	_	_	_	_	_
105	plus Adjustment resulting from asset allocation	_	_	_	-	_	_	_	_	(195)	(195)
106	plus Asset category transfers	(12)	12	-	_	_	_	_	(5,830)	5,830	-
107	Total closing RAB value	80,115	396,451	229,332	284,243	733,786	256,822	146,379	494,741	34,547	2,656,416
108											
109	Asset Life										
110	Weighted average remaining asset life	47	48	34	41	37	36	28	34	13	(years)
111	Weighted average expected total asset life	59	69	44	58	61	45	38	43	19	(vears)

		Company Name	Vector	
		For Year Ended	31 March	
50	HEDITIE		JI Warth	
	_	5a: REPORT ON REGULATORY TAX ALLOWANCE	latania de la constitución de la	. l. 2 (! - :
		iires information on the calculation of the regulatory tax allowance. This information is used to calculate regu t provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory E		ule 3 (regulatory
		s part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to	The state of the s	uired by section
າ o ch ref	:			
cirrej				
7	5a(i): R	egulatory Tax Allowance		(\$000)
8		Regulatory profit / (loss) before tax		186,003
9				
10	plus	Income not included in regulatory profit / (loss) before tax but taxable	8,852	*
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	917	*
12		Amortisation of initial differences in asset values	34,974	
13		Amortisation of revaluations	6,523	
14 15				51,266
16	less	Total revaluations	2,188	
17	,,,,,	Income included in regulatory profit / (loss) before tax but not taxable	22	*
18		Discretionary discounts and customer rebates		
19		Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*
20		Notional deductible interest	70,147	
21			<u> </u>	72,358
22				
23	ا	Regulatory taxable income		164,912
24	loss	Halliand Any Lange		1
25	less	Utilised tax losses	_	164,912
26 27		Regulatory net taxable income		104,912
28		Corporate tax rate (%)	28%	
29		Regulatory tax allowance		46,175
30			•	
31	* Work	rings to be provided in Schedule 14		
22	Fa/::\. F	Disclosure of Permanent Differences		
32	Ja(II). L)	
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in S	schedule Sa(I).	
34	5a(iii): /	Amortisation of Initial Difference in Asset Values		(\$000)
35	, ,			
36		Opening unamortised initial differences in asset values	1,224,091	
37	less	Amortisation of initial differences in asset values	34,974	
38	plus	Adjustment for unamortised initial differences in assets acquired		
39	less	Adjustment for unamortised initial differences in assets disposed	317	
40		Closing unamortised initial differences in asset values		1,188,800
41				25
42 43		Opening weighted average remaining useful life of relevant assets (years)		35

			Company Name	Vector	
			For Year Ended	31 March 20	15
SC	HEDLILE	5a: REPORT ON REGULATORY TAX ALLOWANCE	_		
	_		n is used to establish uses.	latan marafit/laga in Cabadul	2 / 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		uires information on the calculation of the regulatory tax allowance. This informatio t provide explanatory commentary on the information disclosed in this schedule, in			e 3 (regulatory
		s part of audited disclosure information (as defined in section 1.4 of the ID determin			red by section
20		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,		,
ch re					
44	5a(iv):	Amortisation of Revaluations			(\$000)
45					
46		Opening sum of RAB values without revaluations		2,433,574	
47					
48		Adjusted depreciation		85,783	
49		Total depreciation		92,306	
50		Amortisation of revaluations			6,523
51					
52	5a(v): F	Reconciliation of Tax Losses			(\$000)
53					
54		Opening tax losses			
55	plus	Current period tax losses			
56	less	Utilised tax losses			
57		Closing tax losses			-
58	5a(vi):	Calculation of Deferred Tax Balance			(\$000)
59					
60		Opening deferred tax		(52,259)	
61					
62	plus	Tax effect of adjusted depreciation		24,019	
63					
64	less	Tax effect of tax depreciation		24,960	
65					
66	plus	Tax effect of other temporary differences*		(548)	
67					
68	less	Tax effect of amortisation of initial differences in asset values		9,793	
69					
70	plus	Deferred tax balance relating to assets acquired in the disclosure year			
71					
72	less	Deferred tax balance relating to assets disposed in the disclosure year		(1,325)	
73					
74	plus	Deferred tax cost allocation adjustment		(112)	
<i>75</i>					
76		Closing deferred tax			(62,328)
77					
78	5a(vii):	Disclosure of Temporary Differences			
		In Schedule 14, Box 6, provide descriptions and workings of items recorded in the	asterisked category in Sch	edule 5a(vi) (Tax effect of ot	ther temporary
79 en		differences).			
80	F-/	Donaldson, Tou Asset Boss D. W.S.			
81	5a(viii)	Regulatory Tax Asset Base Roll-Forward			
82					(\$000)
83		Opening sum of regulatory tax asset values		1,019,726	
84	less	Tax depreciation		89,144	
85	plus	Regulatory tax asset value of assets commissioned		122,864	
86	less	Regulatory tax asset value of asset disposals		3,712	
87	plus	Lost and found assets adjustment			
88	plus	Adjustment resulting from asset allocation		(595)	
89	plus	Other adjustments to the RAB tax value			
90		Closing sum of regulatory tax asset values			1,049,139

			Company Name		Vector	
			For Year Ended		31 March 2015	
	CUEDING Ch. DEDORT ON DELATED I	DADTV TDANCAC			31 Water 2013	
	CHEDULE 5b: REPORT ON RELATED I					
	is schedule provides information on the valuation of related is information is part of audited disclosure information (as a	• •			section 2.8	
TTHE	is information is part of addited disclosure information (as	ueimeu in section 1.4 or ti	ie ib determination), and so is subject to the assuran	ce report required by	Section 2.8.	
h rej	ef					
	•					
7	5b(i): Summary—Related Party Transa	ctions	(\$000))		
8	Total regulatory income			_		
9	Operational expenditure		1	12,547		
10	Capital expenditure			_		
1	Market value of asset disposals					
2	Other related party transactions			_		
3	5b(ii): Entities Involved in Related Part	v Transactions				
.5	55(ii). Entitles involved in Related Fare	y mansactions				
14	Name of related party			elated party relations	hip	_
15	Vector Communications Limited		A wholly owned subsidiary of Vector Limited.			
16	Tree Scape Limited		An associate in which Vector Limited holds a 50% in	nterest.		
17						
18						
19	* include additional rows if needed					
9	* include additional rows if needed					
9	* include additional rows if needed 5b(iii): Related Party Transactions					
!9 ?0	·					
!9 ?0	·			Value of		
!9 ?0	·	Related party		Value of transaction		
22	5b(iii): Related Party Transactions Name of related party	transaction type	Description of transaction	transaction (\$000)	Basis for determining value	
20 21 22 23	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	Opex	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i)	
22 23 24	5b(iii): Related Party Transactions Name of related party	Opex Opex	· · · · · · · · · · · · · · · · · · ·	transaction (\$000)	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d)	
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one]	
9 00 00 111 111 111 111 111 111 111 111	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one] [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one] [Select one]	
9 00 00 111 111 122 233 244 255 266 277	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one] [Select one] [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one] [Select one] [Select one]	
9 22 23 34 4 25 56 6 77 788	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one] [Select one] [Select one] [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one] [Select one] [Select one] [Select one]	
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one] [Select one] [Select one] [Select one] [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one] [Select one] [Select one] [Select one] [Select one]	
99 200 211 212 222 233 244 255 266 277 288 299 200	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one] [Select one] [Select one] [Select one] [Select one] [Select one]	
19 20 22 23 24 25 26 27 28 29 31	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one] [Select one] [Select one] [Select one] [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one] [Select one] [Select one] [Select one] [Select one]	
19 20 22 23 24 25 26 27 28 29	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one]	
19 20 21 22 23 23 24 25 26 27 28 29 29 30 31	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one]	
19 20 21 22 23 24 25 26 27 28 82 9 9 80 81 32 33	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one]	
990000000000000000000000000000000000000	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one]	
990000000000000000000000000000000000000	5b(iii): Related Party Transactions Name of related party Vector Communications Limited	transaction type Opex Opex [Select one]	Purchase of telecommunications services	transaction (\$000) 8,696	ID clause 2.3.6(1)(c)(i) ID clause 2.3.6(1)(d) [Select one]	

						Company Name For Year Ended		Vector 31 March 2015	
LE F DEDORT ON TERM CREDIT CRREAD DIFFER	DENITIAL ALLG	214/41105				For Year Enaea		31 Walch 2013	
LE 5c: REPORT ON TERM CREDIT SPREAD DIFFE is only to be completed if, as at the date of the most recently published fina			ginal tenor of the deb	t portfolio (both qualif	ying debt and non-qu	ualifying debt) is grea	ater than five years.		
ion is part of audited disclosure information (as defined in section 1.4 of the					, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,			
Qualifying Debt (may be Commission only)									
						Book value at		Cost of executing	
	torre dete	Beloton data	Original tenor (in	C (0/)	Book value at	date of financial	Term Credit	an interest rate	Debt issu
Issuing party Senior bonds – fixed coupon	Issue date 27-May-09	Pricing date 27-May-09	years) 5.4	Coupon rate (%) 7.8	issue date (NZD) 150,000	statements (NZD) 150,408	Spread Difference	swap []VCI	readjus
Capital bonds – fixed coupon	15-Jun-12	14-Jun-12	5.0	7	262,651	262,316	[]VCI	[]VCI	
Floating rate notes	4-Apr-07	4-Apr-07	10	BKBM+ []VCI	200,000		[]VCI	[]VCI	
	25.0.1.05	26.0 1.05	40	DUOM - CTUOT	250.000		F31 (OT	F31 407	
	26-Oct-05	26-Oct-05	10	BKBM + []VCI	250,000		[]VCI	[]VCI	
	26-Oct-05	26-Oct-05	12	BKBM + []VCI	400,000		[]VCI	[]VCI	
	26-Oct-05	26-Oct-05	15	BKBM + []VCI	350,000		[]VCI	[]VCI	
Subtotal of floating rate notes					1,200,000	1,154,414			
Medium term notes - GBP fixed rate	11-Apr-08	8-Apr-08	10.8	7.625	285,614	222,154	[]VCI	[]VCI	
Senior notes - USD fixed rate	16-Sep-04	19-Jul-04	12	5.51	98,875		[]VCI	[]vci	
Senior notes - USD fixed rate Senior notes - USD fixed rate	16-Sep-04	19-Jul-04 19-Jul-04	15	5.75	296,623		[]VCI	[]VCI	
Senior notes - USD fixed rate	20-Dec-10	22-Sep-10	12	[]VCI	250,516		[]VCI	[]VCI	
Subtotal of senior notes - USD fixed rate					646,014	551,361			
Bank loans	3-Feb-12	3-Feb-12	3	BKBM + []VCI					
	3-Feb-12	3-Feb-12	3	BKBM + []VCI					
	17-Dec-13	11-Nov-13	3	BKBM + []VCI					
Subtotal of bank loans						99,797			
Working capital and other loans	17-Dec-13	17-Dec-13	3	BKBM + []VCI					
	17-Dec-13	17-Dec-13	3	BKBM + []VCI					
	17-Dec-13	17-Dec-13	3	BKBM + []VCI					
Subtotal of working capital and other loans						28,538			
* include additional rows if needed						2,468,988	[]VCI	[]VCI	
Attribution of Term Credit Spread Differential									
·									
Gross term credit spread differential			1,106						
			7						
Total book value of interest bearing debt		2,468,988							
Total book value of interest bearing debt Leverage Average opening and closing RAB values		2,468,988 44% 2,637,636							

520

Term credit spread differential allowance

					Company Name		Vector	
_	NUTSUUS S. I. DEDONT ON COST ALL OC	TIONS			For Year Ended		31 March 2015	
	CHEDULE 5d: REPORT ON COST ALLOCA s schedule provides information on the allocation of operation		ory comment on their cost allocation	in Schedule 14 (Man	datory Explanatory No	otes), including on the	impact of any recla	ssifications.
	s information is part of audited disclosure information (as defi					,	,	
rej								
7	5d(i): Operating Cost Allocations							
8	Su(i). Operating cost Anocations				Value alloca	nted (\$000s)		
					Electricity	Non-electricity		
9				Arm's length deduction	distribution services	distribution services	Total	OVABAA allocation increase (\$000s)
10	Service interruptions and emergencies							
11	Directly attributable				12,225			1
12 13	Not directly attributable Total attributable to regulated service				12,225	-	=	=
14	Vegetation management				12,223			
15	Directly attributable				3,673			
16	Not directly attributable			_	- 2.672	-	_	-
17	Total attributable to regulated service Routine and corrective maintenance and	nenection			3,673			
19	Directly attributable	пэрссион			13,379			
20	Not directly attributable			_	-	-	-	-
21	Total attributable to regulated service				13,379			
22	Asset replacement and renewal Directly attributable				12,854			
24	Not directly attributable			_	-	=	=	-
25	Total attributable to regulated service				12,854			
26	System operations and network support				22.045			
27 28	Directly attributable Not directly attributable			_	33,612 5,525	2,028	7,553	_
29	Total attributable to regulated service				39,137		,	
30	Business support							
31 32	Directly attributable Not directly attributable			_	2,205 28,715	19,977	48,692	
33	Total attributable to regulated service				30,920	13,577	40,032	
34	Outstand seeks discontinues in the his				77.040			
35 36	Operating costs directly attributable Operating costs not directly attributable			_	77,948 34,240	22,005	56,245	_
37	Operational expenditure				112,188	23,000	55,215	
38								
39	5d(ii): Other Cost Allocations							
	• •							
40	Pass through and recoverable costs				(\$000)			
41 42	Pass through costs Directly attributable				11,540			
43	Not directly attributable				-			
44	Total attributable to regulated service				11,540			
45	Recoverable costs				247.042			
46 47	Directly attributable Not directly attributable				217,013			
48	Total attributable to regulated service				217,013			
49								
50	5d(iii): Changes in Cost Allocations* †							
51						(\$0		
52 53	Change in cost allocation 1 Cost category				Original allocation	CY-1	Current Year (CY)	1
54	Original allocator or line items				New allocation			
55	New allocator or line items				Difference	=	-	
56 57	Rationale for change]
58	Rationale for Change							
59		<u>'</u>						-"
60	Change in east allocation 2					(\$0		
51 52	Change in cost allocation 2 Cost category				Original allocation	CY-1	Current Year (CY)	
53	Original allocator or line items				New allocation			
54 55	New allocator or line items				Difference	=	=	
56	Rationale for change]
57	•							
68 69						(\$0	00)	
70	Change in cost allocation 3					(ŞU CY-1	Current Year (CY)	
71	Cost category				Original allocation		,/	
72 73	Original allocator or line items New allocator or line items				New allocation			
73 74	New allocator or line items				Difference			
75	Rationale for change							
76								
77 78	* a change in cost allocation must be completed for each c	ost allocator change that has occurre	d in the disclosure vear. A movemen	nt in an allocator metr	ric is not a chanae in n	llocator or componer	nt.	
79	† include additional rows if needed	Ja marine security	, service , serv					

		Company Name	?	Vector
		For Year Ended	f	31 March 2015
		es. This information supports the calculation of the RAB value in Schedule 4.		
		in Schedule 14 (Mandatory Explanatory Notes), including on the impact of ar nation), and so is subject to the assurance report required by section 2.8.	ny changes in asset alloca	tions. This information is part of audited
h	ref			
7	5e(i): Regulated Service Asset Values			
			Value allocated	
8			(\$000s)	
9			Electricity distribution services	
10				, 1
11 12	· ·		80,115	-
13	I control of the cont		80,115]
14			200.454	1
15 16			396,451	-
17			396,451]
18			229,332	1
19 20	I i		229,332	-
21			229,332]
22 23			284,243	1
23 24	I i		284,243	
25			284,243]
26 27			733,786	1
28			755,780	_
29			733,786	
30 31			256,822	1
32	I i			
33			256,822	J
34 35	=		146,379]
36	Not directly attributable		_	
37			146,379	1
38 39			494,741	7
40	Not directly attributable		_	
41			494,741	J
42 43			16,243	1
44			18,304	
45 46			34,547	J
47			2,638,112	
48 49		ble	18,304 2,656,416	
50			,,,,,	•
51	5e(ii): Changes in Asset Allocations* †			
52				(\$000)
53 54	Change in asset value allocation 1		Original allocation	CY-1 Current Year (CY)
55			New allocation	
56			Difference	
57 58				
59				
60 61				(\$000)
62	Change in asset value allocation 2			CY-1 Current Year (CY)
63 64			Original allocation New allocation	
65			Difference	
66				
67 68				
69				(con)
70 71				(\$000) CY-1 Current Year (CY)
72	Asset category		Original allocation	
73 74			New allocation Difference	
75				
76 77				
78		·		
79	* a change in asset allocation must be completed for each of	allocator or component change that has occurred in the disclosure year. A r	novement in an allocator	metric is not a change in allocator or compone

	For Year Ended	31 March 20	015
S	CHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR		
_	is schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of whice	ch capital contribution	s are received. but
	cluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must		
ED	Bs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).		
Th	is information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assura	ince report required b	y section 2.8.
sch re	f		
7	Sali): Expanditura on Assats	(\$000)	(\$000)
7	6a(i): Expenditure on Assets	(5000)	
8	Consumer connection		39,146
9	System growth		28,441
10	Asset releastions		69,913 14,249
11 12	Asset relocations Reliability, safety and environment:	ļ	14,249
13	Quality of supply	1,842]
14	Legislative and regulatory	1,248	
15	Other reliability, safety and environment	327	
16	Total reliability, safety and environment		3,417
17	Expenditure on network assets		155,166
18	Expenditure on non-network assets		9,019
19	F	'	.,
20	Expenditure on assets		164,185
21	plus Cost of financing		3,898
22	less Value of capital contributions		37,173
23	plus Value of vested assets		_
24			
25	Capital expenditure		130,910
26	6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		_
28	Overhead to underground conversion		6,712
29	Research and development		4,643
	- mu -		
30	6a(iii): Consumer Connection		
31	Consumer types defined by EDB*	(\$000)	(\$000)
32	Service connection	8,681	
	Customer substations	6,349	
22	Business subdivisions	2,093	
33 34	Residential subdivisions Consider the page	17,525 3,979	
35	Capacity change Street lighting	3,979	
36	Easement costs	477	
37	* include additional rows if needed	72	
38	Consumer connection expenditure		39,146
39			
40	less Capital contributions funding consumer connection expenditure	25,513	
41	Consumer connection less capital contributions		13,633
			Asset
42	6a(iv): System Growth and Asset Replacement and Renewal		Replacement and
43		System Growth	Renewal
44	Cuhtranomircina	(\$000)	(\$000)
45 46	Subtransmission Zone substations	6,267	11,300
46 47	Zone substations Distribution and LV lines	11,333	14,013 20,919
47	Distribution and LV lines Distribution and LV cables	6,186	5,388
48	Distribution and LV cables Distribution substations and transformers	1,228	6,014
50	Distribution substations and transformers Distribution switchgear	362	5,476
51	Other network assets	2,652	6,803
52	System growth and asset replacement and renewal expenditure	28,441	69,913
53	less Capital contributions funding system growth and asset replacement and renewal	2,962	73
54	System growth and asset replacement and renewal less capital contributions	25,479	69,840
55			,
56	6a(v): Asset Relocations		
57	Project or programme*	(\$000)	(\$000)
58		_	,,,,,,
59		_	
60		_	
61			
62			
63	* include additional rows if needed		
64	All other projects or programmes - asset relocations	14,249	
65	Asset relocations expenditure		14,249
66	less Capital contributions funding asset relocations	8 625	

Asset relocations less capital contributions

Company Name

Vector

5,624

		Company Name	Vector
		For Year Ended	31 March 2015
HEDUI	LE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE D		
	requires a breakdown of capital expenditure on assets incurred in the disclosure yea		which capital contributions are received, bu
-	ts that are vested assets. Information on expenditure on assets must be provided on		nust exclude finance costs.
	wide explanatory comment on their expenditure on assets in Schedule 14 (Explanato on is part of audited disclosure information (as defined in section 1.4 of the ID deterr		ssurance report required by section 2.9
mormade	of 15 part of dudiced disclosure information (as defined in section 1.4 of the 15 deteri	minution, and so is subject to the b	issurance report required by section 2.6.
6a(vi)	: Quality of Supply		
Ua(VI)			
	Project or programme*		(\$000) (\$000)
	* include additional rows if needed		
	All other projects programmes - quality of supply		1,842
	Quality of supply expenditure		1,84
less	Capital contributions funding quality of supply		
	Quality of supply less capital contributions		1,84
6a(vii): Legislative and Regulatory		
oatvii	Project or programme*		(\$000) (\$000)
	- sjott of programme		(4555)
	* include additional rows if needed		100
	All other projects or programmes - legislative and regulatory		1,248
less	Legislative and regulatory expenditure Capital contributions funding legislative and regulatory		1,24
7033	Legislative and regulatory less capital contributions		1,24
6a(vii	i): Other Reliability, Safety and Environment		
	Project or programme*		(\$000) (\$000)
	* include additional rows if needed		
	All other projects or programmes - other reliability, safety and environment		327
	Other reliability, safety and environment expenditure		32
less	Capital contributions funding other reliability, safety and environment		
	Other reliability, safety and environment less capital contributions		32
			· · · · · · · · · · · · · · · · · · ·
	: Non-Network Assets		
	Routine expenditure		(\$000) (\$000)
	Project or programme*		(\$000) (\$000)
	* include additional rows if needed		
	All other projects or programmes - routine expenditure		3,303
	•		
	All other projects or programmes - routine expenditure		
	All other projects or programmes - routine expenditure Routine expenditure		
	All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure		3,30
	All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure		3,30
	All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure		3,30
	All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure		3,30
	All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure		3,30
	All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure Project or programme* * include additional rows if needed		(\$000) (\$000)
	All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure Project or programme* * include additional rows if needed All other projects or programmes - atypical expenditure		(\$000) (\$000) 5,716
	All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure Project or programme* * include additional rows if needed		(\$000) (\$000)
	All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure Project or programme* * include additional rows if needed All other projects or programmes - atypical expenditure		(\$000) (\$000) 5,716

Company Name Vector
For Year Ended 31 March 2015

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

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.

EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

s	ch r	ef		
	7	6b(i): Operational Expenditure	(\$000)	(\$000)
	8	Service interruptions and emergencies	12,225	
	9	Vegetation management	3,673	
	10	Routine and corrective maintenance and inspection	13,379	
	11	Asset replacement and renewal	12,854	
	12	Network opex		42,131
	13	System operations and network support	39,137	
	14	Business support	30,920	
	15	Non-network opex	Į	70,057
	16		-	
	17	Operational expenditure	L	112,188
	18	6b(ii): Subcomponents of Operational Expenditure (where known)	F	
	19	Energy efficiency and demand side management, reduction of energy losses	-	_
	20	Direct billing*	-	_
	21	Research and development	-	639
	22	Insurance		2,586
	23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Vector
For Year Ended	31 March 2015

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

_	_	h	re	٠,

43

7	7(i): Revenue	Target (\$000) 1	Actual (\$000)	% variance
8	Line charge revenue	644,766	625,681	(3%)
			,	(/
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	32,004	39,146	22%
11	System growth	45,751	28,441	(38%)
12	Asset replacement and renewal	63,684	69,913	10%
13	Asset relocations	20,641	14,249	(31%)
14	Reliability, safety and environment:			
15	Quality of supply	3,434	1,842	(46%)
16	Legislative and regulatory	2,386	1,248	(48%)
17	Other reliability, safety and environment	7,371	327	(96%)
18	Total reliability, safety and environment	13,191	3,417	(74%)
19	Expenditure on network assets	175,271	155,166	(11%)
20	Expenditure on non-network assets	11,774	9,019	(23%)
21	Expenditure on assets	187,045	164,185	(12%)
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	7,744	12,225	58%
24	Vegetation management	4,902	3,673	(25%)
25	Routine and corrective maintenance and inspection	14,980	13,379	(11%)
26	Asset replacement and renewal	14,322	12,854	(10%)
27	Network opex	41,948	42,131	0%
28	System operations and network support	44,422	39,137	(12%)
29	Business support	31,707	30,920	(2%)
30	Non-network opex	76,129	70,057	(8%)
31	Operational expenditure	118,077	112,188	(5%)
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	3,079	-	(100%)
34	Overhead to underground conversion	13,428	6,712	(50%)
35	Research and development	1,892	4,643	145%
36				
37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses	_	-	-
39	Direct billing	_	_	_
40	Research and development	_	639	_
41	Insurance	2,915	2,586	(11%)
42		_,,,,,,	_,500	(0)
		(0) (1)		

 $^{1\ \ \}textit{From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination$

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

	LLED QUANTITIES AND I			is. Information is also require	d on the number of ICPs that are included in each consum	ner group or price rates	sory code, and the	aneray delivered to t	Network / Sub	Company Name For Year Ended Network Name		Vector 31 March 20
		and it price dategory code dated by t	ne coo ii its preng somous	s. Illumination is and require		an group or price care	gory code, and the e	and gy delinered to t	an O I			
: Billed Quantities by Pri	ce Component											
							Billed quantities b					
						Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
Consumer group name or p category code	rice Consumer type or types (eg.	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	Unit charging basis (eg. kVA of capa	, days, kW of demand, acity, etc.)	Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVAr/Day
ARCS	residential	Standard Standard	105,855 115,628	543,107 1,017,352			37,508,554 40,355,011	543,106,965 1,017,352,355	-	-	-	-
ARUL	residential	Standard	32,706	133,943			11,719,225	133,942,710	-		-	-
ARHL	residential	Standard	28,200	213,643			9,714,212	213,643,310	-	_		
ARHS	residential	Standard	-						-		-	-
ABSN ABSU	business	Standard Standard	36,070 1,896	779,494 37,038			12,349,743 22,667,222	779,494,433 37,037,764		_		-
ALVN	low voltage	Standard	2,023	215,420			686,911	215,420,181	102,643,879			546,10
ALVH ATXN	low voltage transformer	Standard Standard	1,463 154	574,994 20,917			52,593	574,994,197 20,916,857	129,928,983	51,124,341	-	6,802,93 106,05
ATXH	transformer	Standard	154 835	1,070,277			-	1,070,276,997	204,951,520	85,461,970		6,374,87
AHVN	high voltage high voltage	Standard Standard	9	1,781 425.862			2,811	1,780,709 425,862,474	1,187,193 53,265,365	33.316.892	254 400	14,31 1.934.15
WRCL	residential	Standard	75,145	425,862 399,588			27,487,347	425,862,474 399,588,196	23,403,365	33,310,892	204,168	1,934,15
WRCS	residential	Standard Standard	88,608 12,205	805,830 60,291			32,310,127 4,461,250	805,830,459 60,291,033	-		-	-
WRUS	residential	Standard	12,205	132,176			4,461,250 5,938,466	132,176,178	-	_		-
WRHL	residential	Standard	-				-	-	-	-	-	-
WBSN	residential business	Standard Standard	21,563	394,042			7,887,470	394,041,748	-		-	-
WBSU	business	Standard	308	18,841			12,700,546	18,840,924	-		-	-
WLVN WLVH	low voltage	Standard Standard	791	132,150			288,511 65,357	132,150,318	41,326,803 16,327,786	7 5 29 01 7		528,06 676,30
WTXN	transformer	Standard	140	41,855			51,041	41,855,065	13,992,729	-		437,75
WTXH	transformer	Standard	233	350,873			84,929	350,872,878	65,085,190	27,935,680	-	1,555,34
*****	ingii voitage	Standard	15	97.836			5,475	97,835,946	11,077,750	6,663,134	947	190,33
WHVH	high voltage										_	18,59
NS Add auton cour for addition	non-standard	Non-standard	45				29,179	4,902,218	28,800	12,826		18,59
Add extra rows for addition	non-standard non-standard groups or price cotegory o	Non-standard codes os necessory Standard consumer totals Non-standard consumer totals Total for all consumers	45 540,494 45 540,539				29,179 226,336,823 29,179 226,366,002	7,566,407,114 4,902,218 7,571,309,332	28,800 653,220,094 28,800 653,248,894	12,826 212,030,034 12,826 212,042,860	255,115 - 255,115	18,59 19,166,24 18,59 19,184,83
Add extra rows for addition	non-standard	Non-standard codes os necessory Standard consumer totals Non-standard consumer totals Total for all consumers	540,494 45	796,748 7,566,406 796,748		Brice component	226,336,823 29,179 226,366,002 Line charge reven	7,566,407,114 4,902,218 7,571,309,332	653,220,094 28,800 653,248,894	212,030,034 12,826 212,042,860	255,115 - 255,115	19,166,24 18,59 19,184,83
Add extra rows for addition It line Charge Revenues	non-standard non-standard groups or price cotegory o	Non-standard coder or necessory Standard consumer totals Non-standard consumer totals Total for all consumers	\$45,500,404 45,500,539	706,748 7,566,405 796,748 8,163,154	Total discibilism. Total discibilism file charge in the c	Price component te (eg. \$ per day, \$ per XWh, etc.)	226,336,823 29,179 226,366,002 Line charge reven	7,566,407,114 4,902,218 7,571,309,332	653,220,094 28,800 653,248,894	212,030,034 12,826	255,115	19,166,24 18,59
Add extra rows for addition	tion estandard of consumer groups or price category of consumer groups or price category of the category of th	Non-standard Standard consumer totals Non-standard consumer total Total for all consumers Standard consumers total Standard or non-standard	540,494 45 540,519 540,519 Total line charge revenue in disclosure year	7:66.748 7.366.406 75.748 8.363.154	Total distribution line charge Rat line charge revenue (if	te (eg, \$ per day, \$ per	226,336,823 29,179 226,366,002 Line charge reven	7,566,407,114 4,902,218 7,571,309,332 sues (\$000) by price Variable	653,220,094 28,800 653,248,894 component Capacity	212,030,034 12,826 212,042,860 Demand	255,115 — 255,115 Excess demand	19,166,24 18,59 19,184,83
Add natio rous for addition 1: Line Charge Revenues Consumer group name or particular group na	one standard of consumer groups or price category in the categ	The standard Standard consumer totals. Standard consumer totals. Total for all consumers. Total for all consumers. Standard or non-standard consumers are standard or non-standard consumers are proper (pacify).	540,454 45 540,539 Total line charge revenue in disclosure year	7:66.748 7.366.406 75.748 8.363.154	Total distribution line charge revenue (if available) \$37,956 \$18,407	te (eg, \$ per day, \$ per	226,336,923 29,179 226,366,002 tine charge reven Fixed Day	7,566,407,114 4,902,218 7,571,309,332 Variable Variable	653,220,094 28,800 653,248,894 component Capacity	212,030,034 12,826 212,042,860 Demand	255,115 — 255,115 Excess demand	19,166,24 18,59 19,184,83
Add extra rows for addition I: Line Charge Revenues	One classified of consumer groups or price category of consumer groups or price category of the category of th	Use standard Standard consumer totals Non-standard consumer totals Total for all consumers Total for all consumers Standard or non-standard consumers Standard or non-standard consumer group (specify)	540,494 45 540,519 540,519 Total line charge revenue in disclosure year	7:66.748 7.366.406 75.748 8.363.154	Total distribution line charge line charge revenue (if revenue available)	te (eg, \$ per day, \$ per	226,336,823 29,179 226,366,002 Line charge reven Fixed Day	7,566,407,114 4,902,218 7,571,309,332 7,571,309,332 Sues (5000) by price Variable	653,220,094 28,800 653,248,894 component Capacity	212,030,034 12,826 212,042,860 Demand	255,115 — 255,115 Excess demand	19,166,24 18,59 19,184,83
Add natio rous for addition 1: Line Charge Revenues Consumer group name or particular group na	One clandral of consumer groups or price category of consumer groups or price category of consumer type or types (eg. residential, commercial etc.)	Standard Continued Conti	540,494 45 540,519 540,519 Total line charge revenue in disclosure years	7:66.748 7.366.406 75.748 8.363.154	Total distribution Iline charge Iline charge revenue (iline charge revenue (iline charge revenue (iline charge available)	te (eg, \$ per day, \$ per	226,336,023 29,179 226,346,002 Line charge reven Fixed Day 56,2800 534,709	7,566,407,114 4,902,218 7,571,309,332 7,571,309,332 Wariable Variable MWh	653,220,094 28,800 653,248,894 component Capacity	212,030,034 12,826 212,042,860 Demand	255,115 — 255,115 Excess demand	19,166,24 18,59 19,184,83
Add natio rous for addition 1: Line Charge Revenues Consumer group name or particular group na	One clandral of consumer groups or price category of consumer groups or price category of consumer type or types (eg. residential, commercial etc.)	Standard Continued Conti	560,494 45 540,539 540,539 Total line charge revenue in disclosure year 556,453 597,783	7:66.748 7.366.406 75.748 8.363.154	Total distribution line charge revenue fire revenue sailable) \$37,956 \$18,407 \$53,009 \$10,435 \$5,005 \$10,435 \$5,005	te (eg, \$ per day, \$ per	26,336,823 29,179 226,366,002 Use charge reven Fixed Cory	7,566,407,114 4,902,218 7,571,309,332 Variable Variable MWh \$50,171 50,0,074	653,220,094 28,800 653,248,894 component Capacity	212,030,034 12,826 212,042,860 Demand	255,115 — 255,115 Excess demand	19,166,24 18,59 19,184,83
Add natio rous for addition 1: Line Charge Revenues Consumer group name or particular group na	Consumer groups or price category is (\$000) by Price Component (\$000) by	Standard Comment to the Comment to t	560,494 45 540,519 Total line charge reviewer in disclosure year 556,451 597,781 515,500 525,545	7:66.748 7.366.406 75.748 8.363.154	Total distribution Inic charge line charge revenue Section 2017 Section 2017	te (eg, \$ per day, \$ per	26,336,823 29,179 226,366,002 206,366,002 Line Charge reven Fixed Day \$4,700 \$1,102 \$5,340 \$5,340 \$5,340 \$5,340 \$5,340 \$5,340 \$5,340 \$5,340	7,566,407,114 4,902,18 4,902,18 7,571,309,332 7,571,309,332 Variable Variable 1Wh 550,173 561,074 513,130 515,196	653,220,094 28,800 653,248,894 component Capacity	212,030,034 12,826 212,042,860 Demand	255,115 — 255,115 Excess demand	19,166,24 18,59 19,184,83
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer type or types (ed.) (\$000) by Price Component (\$000) by Price Co	International Conference on Co	560,404 45 540,519 Total line chirge revenue in diclosure year 550,453 597,783 597,783 551,545 555,548	7:66.748 7.366.406 75.748 8.363.154	Total distribution line charge line charge revenue line (high revenue line charge line charge line charge line charge revenue	te (eg, \$ per day, \$ per	226,336,823 29,179 226,366,002 206,366,002 Line charge reven Fixed Day \$4,709 \$54,709 \$51,928 \$8,340 \$51,188	7,566,407,114 4,902,218 4,902,218 7,571,309,312 7,571,309,312 Variable MAIN 5501,177 550,377 513,592 515,166 52,347 53,347 53,347	653,220,094 28,800 653,248,894 component Capacity	212,030,034 12,826 212,042,860 Demand	255,115 — 255,115 Excess demand	19,166,24 18,59 19,184,83 19,184,83 Power factor
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer students of consumer	International Standard consumer totals Standard consumer totals Total for all consumers Total for all consumers Standard or non-standard Consumers Standard	\$60,004 45 560,539 Total line chirgs revenue in divideant vieir 556,631 507,733 507,733 507,733 513,545 513,545 513,545 513,545 513,545	7:66.748 7.366.406 75.748 8.363.154	Total distribution Into tharge Into Horge In	te (eg, \$ per day, \$ per	26,336,823 29,179 226,366,002 206,366,002 Line Charge reven Fixed Day \$4,700 \$1,102 \$5,340 \$5,340 \$5,340 \$5,340 \$5,340 \$5,340 \$5,340 \$5,340	7,566,407,114 4,902,218 4,902,218 7,571,309,312 7,571,309,312 Variable Wariable Wariable 1M/h 550,1774 511,502 515,106 51,302 515,106 51,302 515,106 51,302 515,106 51,302 515,106 51,302 51	653,220,054 28,800 653,248,804 Component Cipachy LVA/Day	212,030,034 12,826 212,042,860 Demand	255,115 255,115 255,115	19,166,24 83 19,184,83 19,
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer type or types (e.g.) (\$000) by Price Component (\$000) by Price C	International Conference on Co	560,494 45 540,519 540,519 Total line charge or venue in disclosure year 556,453 597,783 597,783 597,783 597,783 597,783 597,783 597,783 597,783 597,783 597,783 597,783	7:66.748 7.366.406 75.748 8.363.154	Total distribution Into charge	te (eg, \$ per day, \$ per	226,336,823 29,179 226,366,002 206,366,002 Line charge reven Fixed Day \$4,709 \$54,709 \$51,928 \$8,340 \$51,188	7,566,407,114 4,902,218 4,902,218 7,571,309,332 7,571,309,332 Variable Variable Variable \$\$\text{\$NMh}\$ \$\$\$55,0177 \$\$\$51,007 \$\$\$\$51,007 \$\$\$\$51,007 \$\$\$\$51,007 \$\$\$\$51,007 \$\$\$\$51,007 \$\$\$\$51,007 \$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$51,007 \$\$\$\$\$\$51,007 \$\$\$\$\$\$51,007 \$\$\$\$\$\$51,007 \$\$\$\$\$\$51,007 \$\$\$\$\$\$\$51,007 \$\$\$\$\$\$51,007 \$\$\$\$\$\$51,007 \$\$\$\$\$\$51,007 \$\$\$\$\$\$\$51,007 \$\$\$\$\$\$\$51,007 \$\$\$\$\$\$\$51,007 \$\$\$\$\$\$\$\$51,007 \$\$\$\$\$\$\$\$51,007 \$\$\$\$\$\$\$51,007 \$\$\$\$\$\$\$\$\$51,007 \$\$\$\$\$\$\$\$\$\$51,007 \$	653,220,094 28,000 28,000 653,248,894 Component Capacity kVA/Day	212,030,034 212,826 212,042,860 Demand WA/Day	255,115 255,115 255,115	19,166,24 18,59 19,184,83
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer students of consumer	Standard Comment to the Comment to t	\$60,004 45 560,539 Total line chirgs revenue in divideant vieir 556,631 507,733 507,733 507,733 513,545 513,545 513,545 513,545 513,545	7:66.748 7.366.406 75.748 8.363.154	Total distribution Into tharge Into Horge In	te (eg, \$ per day, \$ per	226,336,823 29,179 226,366,002 206,366,002 Line charge reven Fixed Day \$4,709 \$54,709 \$51,928 \$8,340 \$51,188	7,566,407,114 4,902,218 4,902,218 7,571,309,312 7,571,309,312 Variable Wariable Wariable 1M/h 550,1774 511,502 515,106 51,302 515,106 51,302 515,106 51,302 515,106 51,302 515,106 51,302 51	653,220,054 28,800 653,248,804 Component Cipachy LVA/Day	212,030,034 12,826 212,042,860 Demand	255,115 255,115 255,115	19,166,24 18,59 19,184,83 19,184,83 Power factor WAr/Day
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	One standard of consumer groups or price category of consumer groups or price category of consumer groups or types (e.g., categories), commercial etc.) Consumer type or types (e.g., categories), commercial etc.) consumer type or type (e.g., categories), commercial etc.) consumer type (e.g., categories), commercial etc.) consumer type (e.g., categories), commercial e	Sandard Consumer State S	560,004 550,005 560,005 Total line charge revenue in disclosure year 556,005 555,006 550,006 550,006 550,006 550,006 550,006 550,006 550,006 550,006 550,006	7:66.748 7.366.406 75.748 8.363.154	Total distribution fine charge	te (eg, \$ per day, \$ per	206,316,023 206,316,022 226,366,002 Line Charge recent Fixed Cory \$46,380 \$51,023 \$51,181 \$51,181 \$51,181 \$51,183 \$51,184 \$51,184 \$51,184 \$51,184 \$51,184	7,566,407,114 4,002,218 7,571,109,312 7,571,109,312 Variable Variable Variable 556,173 556,074 551,109 551,139 551,135 551,145 551,145 551,145 551,145 551,145 551,145 551,145 551,145 551,145	653,220,094 28,800 653,248,894 Component Capacity LVA/Day LVA/Day 51,410 51,410 54,410 54,610	212,030,034 212,826 212,042,860 Demand WA/Day	255,115 255,115 255,115	19,166,24 (18,59) (18,59 (18,59 (18,59 (18,59 (18,59) (18,59 (18,59) (18,59 (18,59 (18,59) (18,59 (18,59) (18,59 (18,59)
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer type or types of price correspond of consumer groups or price correspond of consumer groups or price correspond of consumer type or types of consumer types or types or types of consumer types or types o	International Conference of the Conference of th	\$60,004 Total line chirge revenue in disclasses year \$50,004 Total line chirge revenue in disclasses year \$50,001 \$50,001 \$50,001 \$50,001 \$50,001 \$50,001 \$50,001 \$50,001 \$50,001 \$50,001 \$50,001 \$50,001 \$50,001 \$50,001	7:66.748 7.366.406 75.748 8.363.154	Total distribution Into tharge fine there into the three into the	te (eg, \$ per day, \$ per	226,336,622 29,179 226,346,002 226,346,002 Line charge reven fixed Coy 56,280 51,028 58,140 51,140 5	7,566,407,114 4,002,218 7,571,309,312 7,571,309,312 Variable Variable \$\$150,077 \$\$15,509,077 \$\$1	653,220,094 28,800 653,248,894 Component Capacity NVA/Day 1,000 5,1,410 5,4,410 5,4,410 5,4,410 5,4,605	212,030,034 212,826 212,042,860 Demand WA/Day	255,115 255,115 255,115	19,166,24 18,59 19,184,83 Power factor WAr/Day
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	One standard of consumer groups or price category of consumer groups or price category of consumer groups or types (e.g., categories), commercial etc.) Consumer type or types (e.g., categories), commercial etc.) consumer type or type (e.g., categories), commercial etc.) consumer type (e.g., categories), commercial etc.) consumer type (e.g., categories), commercial e	Sandard Consumer State S	540,404 45. 540,539 Total line charge revenue in disclesses year 556,539 556,548 56,044 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548	7:66.748 7.366.406 75.748 8.363.154	Total distribution fine therein into the three fines the fine three fines the fine three fines the fines three fin	te (eg, \$ per day, \$ per	226,156,823 29,179 226,866,002 Line Charge reven Fixed Fixed 54,709 51,140 51,140 51,140 51,140 51,140 55,140	7,566,407,114 4,002,218 4,002,218 7,571,809,812 7,571,809,812 7,571,809,812 7,571,809,812 7,571,809,812 7,571,809,812 7,571,809,812 8,800,812 8,80	653,220,094 28,800 653,248,894 Component Capacity NVA/Day 1,000 5,1,410 5,4,410 5,4,410 5,4,410 5,4,605	212,030,034 212,826 212,042,860 Demand WA/Day	255,115 255,115 255,115	19,166,24 18,59 19,184,83 Power factor WAr/Day
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Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer type or types (eg. (\$000) by Price Component (\$000) by Price Component (\$000) by Price Component Consumer type or types (eg. residential, commercial etc.) Institute	Standard consumer stalls Banded consumer stall Banded consumer stall Banded consumer stall Banded or con-standard consumer stall Standard or con-standard consumer standard consumer stall Standard or con-standard consumer standard	540,404 45. 540,539 Total line charge revenue in disclesses year 556,539 556,548 56,044 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548 550,548	7:66.748 7.366.406 75.748 8.363.154	Total distribution fine therein into the three fines the fine three fines the fine three fines the fines three fin	te (eg, \$ per day, \$ per	226,156,823 29,179 226,866,002 Line Charge reven Fixed Fixed 54,709 51,140 51,140 51,140 51,140 51,140 55,140	7,566,407,114 4,002,218 4,002,218 7,571,809,812 7,571,809,812 7,571,809,812 7,571,809,812 7,571,809,812 7,571,809,812 7,571,809,812 8,800,812 8,80	653,220,094 28,800 653,248,894 Component Capacity NVA/Day 1,000 5,1,410 5,4,410 5,4,410 5,4,410 5,4,605	212,030,034 212,826 212,042,860 Demand WA/Day	255,115 255,115 255,115	19,166,24 18,59 19,184,83 Power factor WAr/Day
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer groups or price category of consumer groups or price category of consumer groups or price category of consumer groups or grow	Standard or non-standard commercials in the standard or non-standard or non-st	560,404 550,405 540,519 Total line charge revenue in disclosure year 550,403 550,403 550,403 550,504	7:66.748 7.366.406 75.748 8.363.154	Total distribution fine charge	te (eg, \$ per day, \$ per	226,356,823 29,179 226,866,002 Use charge research Fixed Cory 55,300 51,128 51,128 51,140 51,140 55,500	7,564,007,114 4 00,218 7,771,809,112 7,771,809,112 Variable Variable \$400. \$400. \$400. \$400. \$400. \$510,177,170,170,170,170,170,170,170,170,1	653,220,094 28,800 653,248,894 Component Capacity NVA/Day 1,000 5,1,410 5,4,410 5,4,410 5,4,410 5,4,605	212,030,034 212,826 212,042,860 Demand WA/Day	255,115 255,115 255,115	19,166,24 18,59 19,184,83 Power factor WAr/Day
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer groups or price category of consumer groups or price category of consumer groups or price category of consumer groups or grow	International Conference on American Conferen	540,004 45 540,009 46 540,009 540,009 Total line charge revenue in disclosure year 556,453 550,009 550,548 560,004 55	7:66.748 7.366.406 75.748 8.363.154	Total distribution into thorge fine there is not there is not the control of the	te (eg, \$ per day, \$ per	226,316,023 226,316,023 226,346,020 226,346,020 100 100 100 100 100 100 100	7,564,407,114 4 800,718 7,775,809,130 7,775,	653,220,094 28,800 653,248,894 Component Capacity NVA/Day 1,000 5,1,410 5,4,410 5,4,410 5,4,410 5,4,605	212,030,034 212,826 212,042,860 Demand WA/Day	255,115 255,115 255,115	19,166,24 18,59 18,50 18
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer types or types (eg., (\$000) by Price Component (\$000) by Price Component (\$000) by Price Component Consumer type or types (eg., residential constantial constantia	Standard Consumer State Standard Consumer Standard Consumer State Standard Consumer Stan	50,004 50,005 100,0	7:66.748 7.366.406 75.748 8.363.154	Trail distribution fine charge fine charge from the charge revented for consolidation and charge revented from the charge	te (eg, \$ per day, \$ per	226,356,923 226,566,000 Line charge reven Fixed Cey 56,290 51,102 51,103 51,104 527,332 55,505 55,055 55,055 55,055	7,566,407,114 4 807,218 7,773,809,132 7,773,809,132 7,773,809,132 7,773,809,132 7,773,809,132 7,773,809,132 7,773,809,132 7,773,809,132 7,774,	653,220,094 72,800 653,248,801 Capaciny WA/Day WA/Day 53,450 54,650 55,650 55,773 57,773	212,030,034 212,826 212,042,860 Demand WA/Day	255,115 — 255,115 Excess demand	19.146,24.51 10.904 factor Power factor VAVA/Cosy 10.125 factor VAVA/Cosy 10.125 factor 10
Add extra rows for addition Add extra rows for addition Consumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer type or types (e.g., 1990) by Price Component (\$5000) by Price Component (\$5000) by Price Component or Consumer type or types (e.g., 1990) consume	Standard consumer totals of the consumer total by the consumer tot	500,004 45 50,009 Total line charge revenue in disclasses year 556,613 500,509 500,500	7:66.748 7.366.406 75.748 8.363.154	Trail distribution fine charge fine charge from the charge revented for exemble section of the charge from the	te (eg, \$ per day, \$ per	226,356,823 29,179 210,000 200 Close Charge reven Fixed Cory 55,200 55,100 51,100 51,100 55	7,556,407,114 4,00,218 7,571,800,332 7,771,800,332 Variable Variable \$4,000 \$4,000 \$4,000 \$5,000,771 \$5,000,7	653,220,094 653,220,094 659,244,874 659,244,874 Capacity NVA/Day NVA/Day 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	212,019,014 12,816 212,042,860 212,042,860 Demand WA/Day \$18,017 \$18,017 \$26,141	255,115 — 255,115 Excess demand	19.142.0 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1
Add eath roun for addition Consumer group name or p category and ANCS	constantial of consumer groups or price category of consumer groups or grou	Standard consumer stale Standard or non-standard Consumer to the standard consumer stale Not deathed consumer to the standard consumer to the s	540,004 45. 540,009 Total line charge revenue in disclosure year 556,633 557,003 551,530	7:66.748 7.366.406 75.748 8.363.154	Trail distribution into though fine the	te (eg, \$ per day, \$ per	226,316,823 226,346,823 226,346,823 226,346,823 226,346,823 226,346,823 24,4200 24,420	7,566,407,314 4 00,2318 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509 7,272,	653,220,094 653,243,094 653,244,094 653,24	112.000.014 173.02.016	255,115 — 255,115 Excess demand	95.66.2M 1.00.00 1.00 1.00 1.00 1.00 1.00 1.00
Add sees roun for addition Add sees roun for addition Cosumer group name or category code Add Add Add Add Add Add Add Add Add Ad	Consumer type or types (eg. (\$000) by Price Component (\$000) by Price Component (\$000) by Price Component or Consumer type or types (eg. residential, commercial etc.) or consumer type or types (eg. residential, commercial etc.) or consumer type or types (eg. residential, commercial etc.) or consumer type or types (eg. residential, commercial, eg. residential, eg. resident	Standard or non-standard commer total for all commerces and the standard or non-standard commerces and the standard or non-standard commerces and the standard or non-standard commerces are non-standard commerce	560,004 560,004 560,009 Total line charge revenue in disclosure year 550,000 55	7:66.748 7.366.406 75.748 8.363.154	Trail distribution fine charge from the charge	te (eg, \$ per day, \$ per	226,316,823 226,866,000 226,866,000 226,866,000 246,250 256,250 256,250 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,132 256,250 257,35	7,566,407,314 7,766,407,314 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,773,773,773,773,773,773,773,773,7	653,220,094 653,220,094 659,244,874 659,244,874 Capacity NVA/Day NVA/Day 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	212.09.034 AC TO THE STATE OF T	255,115 — 255,115 Excess demand	15.16.2.2.1.10.10.10.10.10.10.10.10.10.10.10.10.1
Add sear youn for addition Add sear youn for addition Consumer group name or p category code AND AND AND AND AND AND AND AN	Consumer type or types (eg., 1990) by Price Component (\$5000) by Price Component (\$5000) by Price Component or Consumer type or types (eg., 1990) residential, commercial etc.) residential, commercial etc.) residential	Standard or non-standard commercials in the standard commercials in the standard commercials in the standard commercials in the standard or non-standard commercials in the standard commercials in the standard commercial in the standard c	Total line chirge revenue in divisual visit of the chirge revenue in divisual visit of the chirac revenue in divisual visit of the chirac revenue in divisual visit of the chirac visit of	7:66.748 7.366.406 75.748 8.363.154	Trail distribution into charge fine charge from the charge fro	te (eg, \$ per day, \$ per	226,316,823 278,86,000	7,566,407,314 7,756,407,315 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,773 7,773,773 7,773,773 7,773,773	653,220,094 653,220,094 659,244,874 Copponent Capacity NVA/Day 104,004 154,005 154,	212,000,004 D2000	255.115 225.115 225.115 Encloses demand W/A/Clay	100 Market
Add sear youn for addition Add sear youn for addition Consumer group name or p category code AND AND AND AND AND AND AND AN	Consumer type or types (e.g., (\$000) by Price Component (\$000) by Price Component (\$000) by Price Component Consumer type or types (e.g., calderdal, commercial etc.)	Standard or non-standard commercials in the standard or non-standard or non-standard commercials in the standard commercial in the standard comme	560,094 550,094 540,095 540,095 540,095 550,095 550,095 550,096	7:66.748 7.366.406 75.748 8.363.154	Trail activitation for charge free interference	te (eg, \$ per day, \$ per	226,316,823 226,366,002 210,666,002 Une charge reven Fixed Cory 56,280,805 51,028 51,181 51,141 51,140 51,140 54,100 54,1	7,566,407,314 4 00,2318 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509,132 7,272,509 7,272,	653,220,094 27,800 653,248,801 653,248,801 653,248,801 653,248,801 653,248,801 653,248,801 653,248,801 653,248,801 653,248,801 653,248,801 653,248,801 653,248,801 653,258,801	112,000,014 D2262 112,000,014 D2262 D2262,026 D226262,026 D2262,026 D2262,026 D2262,026 D2262,026 D2262,026 D2262,02	255,115 — 255,115 Excess demand	19.546.24.51 10.044.61 10.
Add sear youn for addition Add sear youn for addition Consumer group name or p category code AND AND AND AND AND AND AND AN	Consumer type or types (e.g., (\$000) by Price Component (\$000) by Price Component (\$000) by Price Component Consumer type or types (e.g., calderdal, commercial etc.)	Standard or non-standard commercials in the standard commercials in the standard commercials in the standard commercials in the standard or non-standard commercials in the standard commercials in the standard commercial in the standard c	Total line chirge revenue in divisual visit of the chirge revenue in divisual visit of the chirac revenue in divisual visit of the chirac revenue in divisual visit of the chirac visit of	7:66.748 7.366.406 75.748 8.363.154	Trail distribution into charge fine charge from the charge fro	te (eg, \$ per day, \$ per	226,316,823 278,86,000	7,566,407,314 7,756,407,315 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,998,331 7,773,773 7,773,773 7,773,773 7,773,773	653,220,094 653,220,094 659,244,874 Copponent Capacity NVA/Day 104,004 154,005 154,	212,000,004 D2000	255.115 225.115 225.115 Encloses demand W/A/Clay	100 Market
Add sear youn for addition Add sear youn for addition Consumer group name or p category code AND AND AND AND AND AND AND AN	Consumer groups or price category of consumer groups or grant figures or grant fig	Standard consumer state Standard or one standard consumer state Not deaded consumer state Standard of one-standard consumer state Standard consumer state Standar	50,004 150,009 Total line charge revenue in disclosure year 556,033 557,033 551,000	7:66.748 7.366.406 75.748 8.363.154	Treat destination into charge from the charge	te (eg, \$ per day, \$ per	226,316,823 226,346,823 226,346,823 226,346,823 226,346,823 226,346,823 226,346,823 226,346,823 227,323 226,346,823 227,323 226,346,823 227,323 226,346,823 227,323 226,346,823 227,323 226,346,823 227,323 226,346,823 227,323 226,346,82	7,566,407,314 4 00,7318 4 00,7318 7,772,509,132 7,772,509,132 7,772,509,132 7,772,509,132 7,772,509,132 7,772,509,132 7,772,509,132 7,772,509,132 7,772,772 7,772,772 7,772,772 7,772,772	653,220,094 653,220,094 655,24	112.000,014 10 10 10 10 10 10 10 10 10 10 10 10 10	255.115 255.115 255.115 Excess demand M/A/Day 5200	Power factor 10 10 10 10 10 10 10 1

EBR-0-determination-templaties for schedules 4 to 10 2015

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-Network Name	Auckland

	LLED QUANTITIES AND LIN			oformation is also required o	the number of ICPs that are included in each	n consumer group or price category.	code, and the energy	delivered to these IO	Network / Sub-	For Year Ended Network Name		31 March 2019 Auckland
	8						,,					
: Billed Quantities by F	Price Component											
							Billed quantities by	y price component				
						Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
Consumer group name category code	or price 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)		ing basis (eg, days, kW of demand, kVA of capacity, etc.)	Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVAr/Day
ARCL	residential	Standard	105,855	543,107			37,508,554	543,106,965	_		-	
ARCS	residential	Standard	115,628	1,017,352			40,355,011	1,017,352,355	-	-	-	
ARUL ARUS	residential residential	Standard Standard	32,706 28,200	133,943 213,643			11,719,225 9,714,212	133,942,710 213,643,310	-	-	-	
ARHL	residential	Standard	-	-				-	-	-	-	
ARHS ABSN	residential business	Standard Standard	36,070	779,494			12,349,743	779,494,433	-	-	-	
ABSU	business	Standard	36,070 1,896	779,494 37,038			12,349,743	779,494,433 37,037,764	-	-	-	
ALVN	low voltage	Standard	2,023	215,420			686,911	215,420,181	102,643,879	-	-	546,105
ALVH ATXN	low voltage transformer	Standard Standard	1,463 154	574,994 20,917			52,593	574,994,197 20,916,857	129,928,983 13,432,742	51,124,341	-	6,802,939 106,055
ATXH	transformer	Standard	835	1,070,277			-	1,070,276,997	204,951,520	85,461,970	-	6,374,877
AHVN AHVH	high voltage high voltage	Standard Standard	9	1,781 425,862			2,811	1,780,709 425,862,474	1,187,193 53,265,365	33,316,892	254,168	14,311 1,934,153
MC	non-standard	Non-standard	35	705,094			23,216	4,902,218	28,800	12,826	254,108	16,988
CNI												
Add extra rows for additi	ional consumer groups or price category co								1			
Add extra rows for addit		odes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers	324,961 35 324,996	5,033,828 705,094 5,738,922			135,056,282 23,216 135,079,498	5,033,828,952 4,902,218 5,038,731,170	505,409,682 28,800 505,438,482	169,903,203 12,826 169,916,029	254,168 - 254,168	15,778,440 16,988 15,795,428
		Standard consumer totals Non-standard consumer totals	35	705,094			23,216	4,902,218	28,800	12,826	-	16,988
	ional consumer groups or price category c	Standard consumer totals Non-standard consumer totals	35	705,094			23,216 135,079,498	4,902,218	28,800 505,438,482	12,826	-	16,988
	ional consumer groups or price category c	Standard consumer totals Non-standard consumer totals	35	705,094		Price component	23,216 135,079,498	4,902,218 5,038,731,170	28,800 505,438,482	12,826	-	16,988
): Line Charge Revenue	ional consumer groups or price category c	Standard consumer totals Non-standard consumer totals	35	705,094 5,738,922	Total distribution line char Inc charge revenue revenue availabl	mission arge Rate (eg, \$/day, ae (if \$/kWh, etc.)	23,216 135,079,498	4,902,218 5,038,731,170 ses (\$000) by price o	28,800 505,438,482 omponent	12,826 169,916,029	254,168	16,988 15,795,428
: Line Charge Revenue Consumer group name category code	onal consumer groups or price category consumer groups or price Component consumer type or types (eg, residential, commercial etc.)	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify)	35 324,996 Total line charge revenue in disclosure year \$56,453	705,094 5,738,922 Notional revenue	Total distribution line charge revenue available	mission arge Rate (eg, \$/day, se (if \$/kWh, etc.) ble)	23,216 135,079,498 Line charge revenut Fixed Day	4,902,218 5,038,731,170 ses (\$000) by price of Variable kWh	28,800 505,438,482 pomponent Capacity	12,826 169,916,029	254,168 Excess demand	16,988 15,795,428 Power factor
Consumer group name category code ARCL ARCS	or price Consumer type or types (eg, residential residential residential residential residential consumer type or types (eg, residential r	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard	Total line charge revenue in disclosure years \$56,453 \$99,783	705,094 5,738,922 Notional revenue	Total distribution line charge revenue available \$33,956 1 565,744 1 1	mission arge Rate (eg, \$/day, re (if \$/kWh, etc.) ble)	23,216 135,079,498 Line charge revenut Fixed Day 0,280 34,709	4,902,218 5,038,731,170 ves (\$000) by price of Variable kWh 50,173 63,074	28,800 505,438,482 pomponent Capacity	12,826 169,916,029	254,168 Excess demand	16,988 15,795,428 Power factor
Consumer group name category code ARCL ARCS ARUL ARUS	or price Consumer type or types (eg, residential resid	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard	35 324,996 Total line charge revenue in disclosure year \$56,453	705,094 5,738,922 Notional revenue	Total distribution line charge revenue availabl \$337,956	mission arge Rate (eg, \$/day, se (if \$/kWh, etc.) ble)	23,216 135,079,498 Line charge revenut Fixed Day	4,902,218 5,038,731,170 ves (\$000) by price of Variable kWh 50,173 63,074 13,592	28,800 505,438,482 pomponent Capacity	12,826 169,916,029	254,168 Excess demand	16,988 15,795,428 Power factor
Consumer group name category code ARCL ARCS ARUS ARUS ARH	or price Consumer type or types (eg, residential resid	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard	Total line charge revenue in disclosure year \$56,453 \$97,783 \$97,783	705,094 5,738,922 Notional revenue	Total distribution line charge revenue availabl \$337,956	Rate (eg. \$/day, etc.) ble) 18.497 32.039 5,065	23,216 135,079,498 Line charge revenu Fixed Day 6,280 34,709 1,928	4,902,218 5,038,731,170 ves (\$000) by price of Variable kWh 50,173 63,074 13,592	28,800 505,438,482 pomponent Capacity	12,826 169,916,029	254,168 Excess demand	16,988 15,795,428 Power factor
Consumer group name category code ARCL ARCS ARUL ARUS ARHL ARHS ABSN	or price Consumer type or types (eg, residential resid	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	Total line charge revenue in disclosure year \$56,453 \$97,783 \$97,783	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	Rate (eg. \$/day, etc.) ble) 18.497 32.039 5,065	23,216 135,079,498 Line charge revenu Fixed Day 6,280 34,709 1,928	4,902,218 5,038,731,170 ves (\$000) by price of Variable kWh 50,173 63,074 13,592	28,800 505,438,482 pomponent Capacity	12,826 169,916,029	254,168 Excess demand	16,988 15,795,428 Power factor
Consumer group name category code ARCL ARCS ARUL ARUS ARHE ARHS ARBS ARSN ARSN ARSU	or price Consumer type or types (eg, residential business	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	Total line charge revenue in disclosure year 556,453 597,783 515,520 523,545 5.548 55,084	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge Rate (eg. \$/day, etc.) \$/kWh, etc.)	23,216 135,079,498 Line charge revenu Fixed Day 6,280 34,709 1,928 8,349 1,1181 3,240	4,902,218 5,038,731,170 ves (\$000) by price or Variable kWh 50,173 63,074 13,592 15,196 12,2844	28,800 S05,438,482 somponent Capacity kVA/Day	12,826 169,916,029	254,168 Excess demand	15,988 15,795,428 15,795,428 Power factor kVAr/Day
Consumer group name category code ARCL ARCS ARUL ARUS ARHL ARHS ABSN	or price Consumer type or types (eg, residential resid	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	Total line charge revenue in disclosure year 556,453 515,520 523,545 5.056 5.548 5.058 5.0	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge Rate (eg. \$/day, etc.) ble) \$/kWh, etc.) ble) \$7,215 \$7,715	23,216 135,079,498 Line charge revenue Fixed Day 6,280 34,709 1,928 8,349 11,181	4,902,218 5,038,731,170 ves (\$000) by price of Variable kWh 50,173 63,074 13,592 15,196 54,367 2,844 14,535	28,800 505,438,482 component Capacity kVA/Day	12.826 169.916.029	254,168 Excess demand	16,988 15,795,428 Power factor kVAr/Day
Consumer group name category code ARCL ARCS ARUL ARUS ARHL ARUS ARSN ABSN ABSN ALVN ALVN ALVN ALVN ALVN ALVN	or price Component Consumer type or types (eg., residential residential residential residential residential residential residential residential tendential residential tendential tendenti	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	35 324,996 Total line charge revenue in disclosure year 556,453 597,783 515,520 \$23,545 \$56,588 \$50,084 \$19,264	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge to (if the control of t	23,216 135,079,498 Line charge revenu Fixed Day 6,280 34,709 1,928 8,349 1,1181 3,240	4,902,218 5,038,731,170 ves (\$000) by price of Variable kWh 50,173 63,074 13,592 15,196	28,800 505,438,482 component Capacity kVA/Day 3,430 4,459 4159	12.826 169.916.029	254,168 Excess demand	16.988 15,795,428 Power factor kVAr/Day
Consumer group name category code ARCL ARCS ARUS ARUS ARH ARUS ABSN ABSU ALVN ALVN ALVN ALVN ALVN ATSN ATSN	or price Consumer groups or price category of the consumer groups or price component consumer type or types (eg., residential, commercial etc.) residential resid	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	Total line charge revenue in disclosure year 556,453 597,783 515,520 523,545 56,548 56,084 519,264 532,988 53,901 553,538	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge (e.g. \$/day, steel febbe) Rate (eg. \$/day, steel febbe) \$2,039 5,085 7,715	23,216 135,079,498 Line charge revenu Fixed Day 6,280 34,709 1,928 8,349 1,181 3,240 1,140	4,902,218 5,038,731,170 Variable Variable kWh 50,173 63,074 13,592 15,196 1-54,367 2,844 14,535 10,464 1,369 18,817	28,800 505,438,482 pomponent Capacity kVA/Day	12.826 169.916.029	254,168 Excess demand	15,988 15,795,428 15,795,428 Power factor kVAr/Day
Consumer group name category code ARCL ARCS ARUL ARUS ARHL ARHS ABSN ABSN ABSN ALVN ALVN ALVN ALVN ALVN ALVN	or price Component Consumer type or types (eg., residential residential residential residential residential residential residential residential tendential residential tendential tendenti	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	35 324,996 Total line charge revenue in disclosure year 556,453 597,783 515,520 \$23,545 \$56,588 \$50,084 \$19,264	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge (e.g. \$/day, set (if \$/kWh, etc.) ble) 8.085	23,216 135,079,498 Line charge revenu Fixed Day 6,280 34,709 1,928 8,349 1,181 3,240 1,140	4,902,218 5,038,731,170 ves (\$000) by price of Variable kWh 50,173 63,074 13,592 15,196	28,800 505,438,482 component Capacity kVA/Day 3,430 4,459 4159	12.826 169.916.029	254,168 Excess demand	15,988 15,795,428 Power factor kVAr/Day 1599 2,028 300 1,903 4
Consumer group name category code ARCL ARCS ARUL ARUS ARHL ARHS ABSU ALVN ALVN ALVN ALVN ALVN ALVN ALVN ALVN	or price Consumer groups or price category of the consumer groups or price component consumer type or types (eg, residential r	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	Total line charge revenue in disclosure year	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge le (if S/kWh, etc.) 18,497 18,497 15,085 7,7715 1,1993 16,312 10,809 123 17,549 52	23,216 135,079,498 Line charge revenu Fixed Day 6,280 34,709 1,928 8,349 1,181 3,240 1,140	4,902,218 5,038,731,170 ves (\$000) by price or Variable kWh 50,173 63,074 13,592 15,196 14,535 10,464 1,369 18,817 113	28,800 505,438,482 omponent Capacity kVA/Day 4VA/Day 419 6,695 336	12,826 169,916,029 Demand kVA/Day	Excess demand kVA/Day	15,988 15,795,428 15,795,428 Power factor kVAr/Day 159 2,028 30 1,903
Consumer group name category code ARCL ARCS ARUL ARUS ARHL ARHS ABSU ALVN ALVN ALVN ALVN ALVN ALVN ALVN ALVN	or price Consumer type or types (eg, residential, residential residential residential tresidential tresidential tresidential residential r	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	Total line charge revenue in disclosure years 556,453 597,783 515,520 523,545 56,084 519,264 519,264 519,264 519,265 523,988 51,901 553,558 51,901	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge (e.g. \$/day, set (if \$/kWh, etc.) ble) 8.085	23,216 135,079,498 Line charge revenue Fixed Day 6,280 34,709 1,928 8,349 11,181 3,240 1,140 83 4	4,902,218 5,038,731,170 ves (\$000) by price of Variable kWh 50,173 63,074 13,592 15,196 2,844 14,535 10,464 1,3690 18,817 113 7,442	28,800 505,438,482 Domponent Capacity kVA/Day	12.826 169.916.029 Demand kVA/Day 16.037 26.143	Excess demand kVA/Day	15,988 15,795,428 Power factor kVAr/Day 1599 2,028 300 1,903 4
Consumer group name category code ARCL ARCS ARUL ARUS ARHL ARHS ABSI ALVN ALVN ALVN ALVN ALVN ALVN ALVN ANVN AN	or price Consumer groups or price category of the consumer groups or price component consumer type or types (eg, residential r	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	35 324,996 Total line charge revenue in disclosure year 556,453 597,783 515,520 \$23,545 \$15,526 \$13,926 \$13,926 \$13,926 \$23,945 \$23,	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge to (if the control of t	23,216 135,079,498 Line charge revenue Fixed Day 6,280 34,709 1,928 8,349 1,140 1,140 2,3624 566,914 523,624	4,902,218 5,038,731,170 ves (\$000) by price of the price	28,800 505,438,482 component Capacity kVA/Day	12.826 169.916.029 Demand kVA/Day	Excess demand kVA/Day	15,988 15,795,428 15,795,428 Power factor kVAr/Day 159 2,028 300 1,903 4 4 5,702 5,4702
Consumer group name category code ARCL ARCS ARUL ARUS ARHL ARHS ABSI ALVN ALVN ALVN ALVN ALVN ALVN ALVN ANVN AN	or price Consumer groups or price category of the consumer groups or price component consumer type or types (eg, residential r	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Non-standard Non-standard Non-standard Non-standard	Total line charge revenue in disclosure year 556,453 \$59,783 \$515,520 \$23,945 \$15,204 \$51,520 \$23,988 \$51,901 \$535,588 \$51,905 \$22,4020 \$24,020 \$24,020 \$23,988	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge to the first state (eg. \$/day, steel first state) 18,497 18,2039 5,085 7,715	23,216 135,079,498 Line charge revenu Fixed Day 6,280 34,709 1,928 8,349 1,1181 3,240 1,140 - 83 - 23,624 566,914	4,902,218 5,038,731,170 Variable Variable kWh 50,173 63,074 13,592 15,196 2,844 14,535 10,464 1,369 18,817 113 7,442 98	28,800 505,438,482 amponent Capacity MVA/Day 407 419 6,605 36 1,763 313 313	12.826 169.916,029 Demand kVA/Day	Excess demand kVA/Day	15,988 15,795,428 15,795,428 Power factor kVAr/Day 1593 2,028 30 30 1,903 4 4 9788 139
Consumer group name category code ARCL ARCS ARUL ARUS ARHL ARHS ABSI ALVN ALVN ALVN ALVN ALVN ALVN ALVN ANVN AN	or price Consumer type or types (eg, residential resid	Standard consumer totals Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	35 324,996 Total line charge revenue in disclosure year 556,453 597,783 515,520 \$23,545 \$15,526 \$13,926 \$13,926 \$13,926 \$23,945 \$23,	705,094 5,738,922 Notional revenue	Total distribution line charge revenue	mission arge to (if the control of t	23,216 135,079,498 Line charge revenue Fixed Day 6,280 34,709 1,928 8,349 1,140 1,140 2,3624 566,914 523,624	4,902,218 5,038,731,170 ves (\$000) by price of the price	28,800 505,438,482 component Capacity kVA/Day	12.826 169.916.029 Demand kVA/Day	Excess demand kVA/Day	15,988 15,795,428 15,795,428 Power factor kVAr/Day 159 2,028 300 1,903 4 4 5,702 5,4702

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-Network Name	Northern

quires the billed quantities a	<u> </u>						5. ,,	0,					
quires the sinea quantities a													
: Billed Quantities b	y Price Component												
								Billed quantities by	price component				
							Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
						Unit charging basis (eg		Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVAr/Day
Consumer group nar category co			Average no. of ICPs in disclosure year	Energy delivered to ICP in disclosure year (MWI		kVA of cap	acity, etc.)						
	,	,	, , , , , , , , , , , , , , , , , , , ,	,								L	
WRCL	residential	Standard	75,145	399,58				27,487,347	399,588,196	-	-	-	
WRCS	residential residential	Standard Standard	88,608	805,83				32,310,127	805,830,459	-	-	-	
WRUL WRUS	residential	Standard	12,205 16,346	60,29 132,17				4,461,250 5,938,466	60,291,033 132,176,178	-	-	-	
WRHL	residential	Standard	-					-	-	-	-	-	
WRHS	residential	Standard	-					-	-	-	-	-	
WBSN WBSU	business business	Standard Standard	21,563	394,04 18,84				7,887,470 12,700,546	394,041,748 18,840,924	-	-	-	
WLVN	low voltage	Standard	791	132,15				288,511	132,150,318	41,326,803	-	-	528,064
WLVH	low voltage	Standard	179					65,357	99,094,867	16,327,786	7,528,017	-	676,302
WTXN	transformer	Standard	140					51,041	41,855,065	13,992,729	-	-	437,755
WTXH WHVN	transformer high voltage	Standard Standard	233	350,87				84,929 22	350,872,878 550	65,085,190 154	27,935,680	-	1,555,345
WHVH	high voltage	Standard	15	97,83				5,475	97,835,946	11,077,750	6,663,134	947	190,337
													4.50
NS	non-standard	Non-standard	10	91,65				5,963	-	-	-	-	1,606
Add extra rows for add		ry codes as necessary							-	-	-	-	
Add extra rows for add	non-standard	ry codes as necessary Standard consumer totals	215,533	2,532,57				91,280,541	2,532,578,162	147,810,412	42,126,831	947	3,387,803
NS Add extra rows for add	non-standard	ry codes as necessary	215,533	2,532,57					2,532,578,162 2,532,578,162	147,810,412 147,810,412	42,126,831 42,126,831	947	3,387,803
	non-standard	ory codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers	215,533 10	2,532,57 91,65				91,280,541 5,963	-	-	-	-	3,387,803
	non-standard Iditional consumer groups or price catego	ory codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers	215,533 10	2,532,57 91,65				91,280,541 5,963	2,532,578,162	147,810,412	-	-	3,387,803
	non-standard Iditional consumer groups or price catego	ory codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers	215,533 10	2,532,57 91,65				91,280,541 5,963 91,286,504	2,532,578,162	147,810,412	-	-	3,387,803
	non-standard Iditional consumer groups or price catego	ory codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers	215,533 10	2,532,57 91,65			Price component	91,280,541 5,963 91,286,504	2,532,578,162	147,810,412	-	-	3,387,803
	non-standard Iditional consumer groups or price catego	ory codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers	215,533 10	2,532,57 91,65			Price component	91,280,541 5,963 91,286,504	2,532,578,162 2,632,578,162 es (\$000) by price co	147,810,412	42,126,831	947	3,387,803 1,600 3,389,409
	non-standard Iditional consumer groups or price catego	ory codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers	215,533 10	2,532,57 91,65		Total transmission		91,280,541 5,963 91,286,504	2,532,578,162 2,632,578,162 es (\$000) by price co	147,810,412	42,126,831	947	3,387,803 1,600 3,389,409
: Line Charge Rever	non-standard Iditional consumer groups or price category nues (\$000) by Price Compo	ry codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers	215,533 10 215,543	2,532,57 91,65 2,624,23	Total distribution line charge	line charge	Price component Rate (eg, \$/day, \$/kWh, etc.)	91,280,541 5,963 91,286,504	2,532,578,162 2,632,578,162 es (\$000) by price co	147,810,412	42,126,831	947	3,387,803 1,600 3,389,409
	non-standard Idditional consumer groups or price categor nues (\$000) by Price Compo	ry codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers nent (eg, Standard or non-standard	215,533 10	2,532,57 91,65	Total distribution line charge revenue		Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue	2,532,578,162 2,532,578,162 es (\$000) by price co	amponent Capacity	42,126,831 Demand	947 Section 2015	3,387,803 1,600 3,389,403 Power factor
Consumer group nar	non-standard Idditional consumer groups or price categor nues (\$000) by Price Compo	ry codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers nent (eg. Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	line charge revenue	line charge revenue (if available)	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue	2,532,578,162 es (\$000) by price co Variable kWh	amponent Capacity	42,126,831 Demand	947 Second Excess demand	3,387,803 1,600 3,389,403 Power factor
: Line Charge Rever	non-standard Idditional consumer groups or price categor nues (\$000) by Price Compo	ry codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers nent (eg, Standard or non-standard	Total line charge revenue in disclosure year	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	line charge revenue	line charge revenue (if available)	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day	2,532,578,162 2,532,578,162 es (\$000) by price co	amponent Capacity	42,126,831 Demand	947 Second Excess demand	3,387,803 1,600 3,389,403 Power factor
Consumer group nar category con	non-standard diditional consumer groups or price categor nues (\$000) by Price Compos me or price Consumer type or types residential, commercial	Standard or non-standard consumer group (specify) Standard Standard or non-standard consumer standard or non-standard consumers Standard	Total line charge revenue in disclosure year	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	line charge revenue	line charge revenue (if available)	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue	2,532,578,162 2,532,578,162 es (\$000) by price co Variable kWh 36,981	amponent Capacity	42,126,831 Demand	947 Second Excess demand	3,387,803 1,600 3,389,403 Power factor
Consumer group nar category cod WRCL WRCS WRUL WRUS	non-standard Iditional consumer groups or price categor nues (\$000) by Price Composite me or price consumer type or types residential, commercial in residential residential residential residential residential residential	standard consumer totals Non-standard consumer totals Non-standard consumer totals Total for all consumers nent (eg, Standard or non-standard etc.) consumer group (specify) Standard Standard Standard Standard Standard	215,533 10 215,543 Total line charge revenue in disclosure year \$41,084 \$76,329	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	line charge revenue \$25,821 \$47,972	line charge revenue (if available) 15,263 28,357	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332	2,532,578,162 2,532,578,162 2s (\$000) by price co Variable kWh 36,981 48,997	amponent Capacity	42,126,831 Demand	947 Second Excess demand	3,387,803 1,600 3,389,403 Power factor
Consumer group nar category con WRCL WRCS WRUL WRUS WRHL	me or price Consumer type or types residential residential residential residential residential residential residential residential residential	ry codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers nent (eg, Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard Standard Standard	215,533 10 215,543 Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272	line charge revenue (if available) 15,263 28,357 2,526	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 666	2,532,578,162 2,532,578,162 es (\$000) by price co Variable kWh 36,981 48,997 6,132	amponent Capacity	42,126,831 Demand	947 Second Excess demand	3,387,803 1,600 3,389,403 Power factor
Consumer group nar category cod WRCL WRCS WRUL WRUS WRHL WRHS	me or price Consumer type or types residential	standard consumer totals Non-standard consumer totals Non-standard consumer totals Total for all consumers nent (eg, Standard or non-standard consumer group (specify) Standard	215,533 10 215,543 Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798 \$14,272	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272 \$8,970	line charge revenue (if available) 15,263 28,357 2,526 5,302	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 666 5,025	2,532,578,162 es (\$000) by price co Variable kWh 36,981 48,997 6,132 9,247	amponent Capacity	42,126,831 Demand	947 Section 2015	3,387,803 1,600 3,389,403 Power factor
Consumer group nar category con WRCL WRCS WRUL WRUS WRHL	me or price Consumer type or types residential residential residential residential residential residential residential residential residential	ry codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers nent (eg, Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard Standard Standard	215,533 10 215,543 Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272	line charge revenue (if available) 15,263 28,357 2,526	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 666	2,532,578,162 2,532,578,162 es (\$000) by price co Variable kWh 36,981 48,997 6,132	amponent Capacity	42,126,831 Demand	947 Section 2015	3,387,803 1,600 3,389,403 Power factor
Consumer group nar category cod WRCL WRCS WRUL WRUS WRHL WRHS WBSN	me or price Consumer type or types residential residen	Standard or non-standard consumer group (specify) Standard of non-standard consumer standard or non-standard consumers Standard or non-standard consumer group (specify) Standard	215,533 10 215,543 Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798 \$14,272	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$47,972 \$8,970 	line charge revenue (if available) 15,263 28,357 2,526 5,302 12,720	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 666 5,025 6,672	2,532,578,162 es (\$000) by price co Variable kWh 36,981 48,997 6,132 9,247 27,567	amponent Capacity	42,126,831 Demand	947 Section 2015	3,387,803 1,600 3,389,403 Power factor
Consumer group nar category co	me or price Consumer type or types residential residen	ry codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers nent (eg. Standard or non-standard consumer group (specify) Standard	Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798 \$14,272 \$34,239 \$3,335 \$8,622 \$3,873	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272 \$8,970 	line charge revenue (if available) 15,263 28,357 2,526 5,302 - 12,720 1,239 3,203 1,438	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 6,665 5,025 6,672 1,769 1,579 6,74	2,532,578,162 22,532,578,162 Variable kWh 36,981 48,997 6,132 9,247 27,567 1,566 6,102 591	mponent Capacity kVA/Day	42,126,831 Demand	947 Section 2015	3,387,803 1,600 3,389,403 Power factor kVAr/Day
Consumer group nar category consumer was	me or price consumer type or types residential residen	(eg, Standard or non-standard consumer group (specify) Standard	215,533 10 215,543 Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798 \$14,272	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272 \$8,970 \$21,519 \$2,096 \$5,419 \$2,435 \$1,480	15,263 28,357 2,526 5,302 	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 666 5,025	2,532,578,162 2,532,578,162 2es (\$000) by price co Variable kWh 36,981 48,997 6,132 9,247 27,567 1,566 6,102 591 1,741		Demand kVA/Day	947 Section 2015	3,387,803 1,600 3,389,403 Power factor kVAr/Day 153 190 120
Consumer group nar category co	me or price Consumer type or types residential residen	ry codes as necessary Standard consumer totals Non-standard consumer totals Total for all consumers nent (eg. Standard or non-standard consumer group (specify) Standard	Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798 \$14,272 \$34,239 \$3,335 \$8,622 \$3,873	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272 \$8,970 	line charge revenue (if available) 15,263 28,357 2,526 5,302 - 12,720 1,239 3,203 1,438	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 6,665 5,025 6,672 1,769 1,579 6,74	2,532,578,162 22,532,578,162 Variable kWh 36,981 48,997 6,132 9,247 27,567 1,566 6,102 591	mponent Capacity kVA/Day	- 42,126,831 Demand kVA/Day	947 Section 2015	3,387,803 1,600 3,389,403 Power factor kVAr/Day
Consumer group nar category core WRCL WRCS WRUL WRUS WRHL WRHS WBSN WBSU WLVN WLVH WTXN WTXH	non-standard Iditional consumer groups or price categorial Inues (\$000) by Price Composite description of the price residential residentia	(eg. Standard or non-standard consumer group (specify) Standard	215,533 10 215,543 Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798 \$14,272	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272 \$8,970 \$21,519 \$2,096 \$5,419 \$2,435 \$1,480	15,263 28,357 2,526 5,302 	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 666 5,025	2,532,578,162 2,532,578,162 2es (\$000) by price co Variable kWh 36,981 48,997 6,132 9,247 27,567 1,566 6,102 591 1,741		Demand kVA/Day	947 Section 2015	3,387,803 1,600 3,389,403 Power factor kVAr/Day 153 190 120
Consumer group nar category cod WRCL WRCS WRUL WRUS WRHL WRHS WBSN WBSU WLVN WLVN WLVH WTXN WTXH WHVN WHVH NS	non-standard diditional consumer groups or price categor nues (\$000) by Price Composition residential	standard or non-standard consumer totals non-standard or non-standard consumer totals total for all consumers standard or non-standard consumer group (specify) Standard	70tal line charge revenue in disclosure year \$41,084 \$76,329 \$6,798 \$14,272 \$334,233 \$3,335 \$8,622 \$3,873 \$2,355 \$12,024	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272 \$8,970 \$21,519 \$2,096 \$5,419 \$2,435 \$1,480 \$7,557	line charge revenue (if available)	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 666 5,025 6,672 1,769 674 252 788	2,532,578,162 2,532,578,162 Es (\$000) by price co Variable kWh 36,981 48,997 6,132 9,247 - 27,567 1,566 6,102 591 1,741 2,092	- 147,810,412 wmponent Capacity kVA/Day	Demand kVA/Day	947 Section 2015	3,387,803 1,606 3,389,405 Power factor kVAr/Day 153 196 126 453
Consumer group nar category cod WRCL WRCS WRUL WRUS WRHL WRHS WBSN WBSU WLVN WLVN WLVH WTXN WTXH WHVN WHVH NS	me or price consumer type or types residential residen	Standard or non-standard consumer totals Total for all consumers Non-standard or non-standard consumer totals Total for all consumers Non-standard or non-standard consumer group (specify) Standard	215,533 10 215,543 10 215,543 10 215,543 10 215,543 10 215,543 10 215,543 541,084 576,329 \$6,798 \$14,272	2,532,57 91,65 2,624,23 Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272 \$8,970 \$21,519 \$2,096 \$5,419 \$2,435 \$1,480 \$7,557 \$1,653 \$2,128	line charge revenue (if available) 15,263 28,357 2,526 5,302 11,720 1,720 1,720 1,720 1,739 3,203 1,438 875 4,467 977 1,026	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 666 5,025 6,672 1,769 1,579 674 2552 788 - 49 3,141	2,532,578,162 es (\$000) by price co Variable kWh 36,981 48,997 6,132 9,247 27,567 1,566 6,102 591 1,741 2,092 - 584	Market No. 147,810,412 Market No. 147,812 Market No.		Excess demand kVA/Day	3,387,803 1,606 3,389,405 Power factor kVAr/Day 153 196 126 453
Consumer group nar category cod WRCL WRCS WRUL WRUS WRHL WRHS WBSN WBSU WLVN WLVN WLVH WTXN WTXH WHVN WHVH NS	non-standard diditional consumer groups or price categor nues (\$000) by Price Composition residential	Standard or non-standard consumer group (specify) Standard of standard or non-standard consumer group (specify) Standard Standa	Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798 \$14,272 \$34,239 \$3,335 \$8,622 \$3,873 \$5,2355 \$12,024 \$2,630 \$3,154	Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272 \$8,970 	line charge revenue (if available) 15,263 28,357 2,526 5,302	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 6,665 5,025 6,672 1,769 1,579 674 252 788 - 49 3,141 \$48,909	2,532,578,162 2,532,578,162 Es (\$000) by price co Variable kWh 36,981 48,997 6,132 9,247 - 27,567 1,566 6,102 591 1,741 2,092	- 147,810,412 wmponent Capacity kVA/Day	Demand kVA/Day	947 Section 2015	3,387,803 1,600 3,389,403 Power factor kVAr/Day 15: 19: 12: 45: 55:
Consumer group nar category cod WRCL WRCS WRUL WRUS WRHL WRHS WBSN WBSU WLVN WLVN WLVH WTXN WTXH WHVN WHVH NS	non-standard diditional consumer groups or price categor nues (\$000) by Price Composition residential	Standard or non-standard consumer totals Total for all consumers Non-standard or non-standard consumer totals Total for all consumers Non-standard or non-standard consumer group (specify) Standard	Total line charge revenue in disclosure year \$41,084 \$76,329 \$6,798 \$14,272 \$34,239 \$3,335 \$8,622 \$3,873 \$1,2024 \$2,630 \$2,355 \$12,024 \$2,630 \$3,154	Notional revenue foregone (if applicable	\$25,821 \$47,972 \$4,272 \$8,970 \$21,519 \$2,096 \$5,419 \$2,435 \$1,480 \$7,557 \$1,653 \$2,128	line charge revenue (if available) 15,263 28,357 2,526 5,302	Rate (eg, \$/day,	91,280,541 5,963 91,286,504 Line charge revenue Fixed Day 4,103 27,332 666 5,025 6,672 1,769 1,579 674 2552 788 - 49 3,141	2,532,578,162 es (\$000) by price co Variable kWh 36,981 48,997 6,132 9,247 27,567 1,566 6,102 591 1,741 2,092 - 584	Market No. 147,810,412 Market No. 147,812 Market No.		Excess demand kVA/Day	3,387,803 1,600 3,389,403 Power factor KVAr/Day 153 199 120 453 519 \$983

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Vector

SCHEDULE 9a: ASSET REGISTER

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

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	108,914	109,246	332	3
10	All	Overhead Line	Wood poles	No.	8,066	7,627	(439)	3
11	All	Overhead Line	Other pole types	No.	41	105	64	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	376	375	(1)	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	27	27		4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	299	329	30	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	151	145	(6)	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	5	5	0	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	54	49	(5)	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	30	30	(0)	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	17	17	0	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	_	_	-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	_	_	_	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	14	12	(2)	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	98	100	2	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	7	7	_	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	9	13	4	4
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	2	2	-	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.		_		N/A
28	HV		33kV Switch (Pole Mounted)	No.	213	198	(15)	3
29	HV	Zone substation switchgear			11	14	3	3
		Zone substation switchgear	33kV RMU	No.	215	249	34	3
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.				
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	188	167	(21)	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	1,326	1,339	13	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	206	210	4	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,824	3,814	(10)	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km		_	-	N/A
37	HV	Distribution Line	SWER conductor	km		-	-	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	1,177	1,233	56	4
39	HV	Distribution Cable	Distribution UG PILC	km	2,273	2,259	(14)	4
40	HV	Distribution Cable	Distribution Submarine Cable	km	8	8	(0)	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	274	274	-	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	126	154	28	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	8,757	9,042	285	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	3,917	3,650	(267)	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	5,972	5,766	(206)	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,692	7,660	(32)	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	13,506	13,668	162	3
48	HV	Distribution Transformer	Voltage regulators	No.	12	12	-	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	12,226	12,370	144	3
50	LV	LV Line	LV OH Conductor	km	4,168	4,159	(8)	3
51	LV	LV Cable	LV UG Cable	km	5,538	5,654	115	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	389	400	11	4
53	LV	Connections	OH/UG consumer service connections	No.	537,757	542,826	5,069	3
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	3,201	3,046	(155)	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	231	231	-	2
56	All	Capacitor Banks	Capacitors including controls	No	103	104	1	3
57	All	Load Control	Centralised plant	Lot	32	32	-	4
58	All	Load Control	Relays	No	_	-	-	N/A
59	All	Civils	Cable Tunnels	km	10	10	_	4



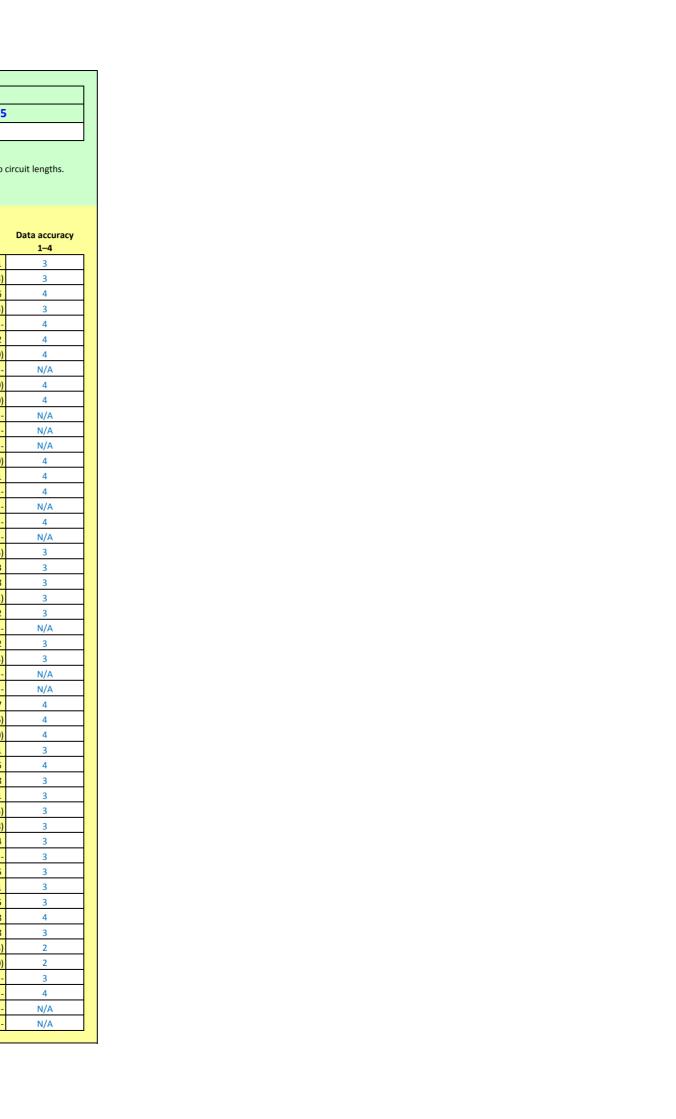
Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Northern

SCHEDULE 9a: ASSET REGISTER

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

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy 1–4
9	All	Overhead Line	Concrete poles / steel structure	No.	62,713	62,874	161	3
10	All	Overhead Line	Wood poles	No.	2,671	2,578	(93)	3
11	All	Overhead Line	Other pole types	No.	38	94	56	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	327	324	(3)	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	27	27	-	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	132	134	2	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	3	2	(0)	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	1	1	(0)	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	0	-	(0)	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	1	1	(0)	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	49	50	1	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	2	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	2	2	-	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	213	198	(15)	3
29	HV	Zone substation switchgear	33kV RMU	No.	11	14	3	3
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	101	119	18	3
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	188	167	(21)	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	467	479	12	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.			-	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	81	83	2	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,915	2,911	(4)	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km			-	N/A
37	HV	Distribution Line	SWER conductor	km	_	_	-	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	673	700	27	4
39	HV	Distribution Cable	Distribution UG PILC	km	648	642	(6)	4
40	HV	Distribution Cable	Distribution Submarine Cable	km	7	7	(0)	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	216	217	1	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	12	37	25	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6,791	7,039	248	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	756	827	71	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1.424	1.359	(65)	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,618	5,610	(8)	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	7,013	7,097	84	3
48	HV	Distribution Transformer	Voltage regulators	No.	7	7,037	-	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	6,216	6,341	125	3
50	LV	LV Line	LV OH Conductor	km	2,168	2,169	1	3
51	LV	LV Cable	LV UG Cable	km	2,070	2,135	65	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	156	164	8	4
53	LV	Connections	OH/UG consumer service connections	No.	214,119	216,467	2,348	3
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,424	1,130	(294)	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	99	89	(10)	2
56	All	Capacitor Banks	Capacitors including controls	No	78	78	(10)	3
57	All	Load Control	Centralised plant	Lot	11	11		4
58	All	Load Control	Relays	No	11	11	-	N/A
		Civils	Cable Tunnels			_	-	
59	All	CIVIIS	Capie Tullileis	km		-	-	N/A



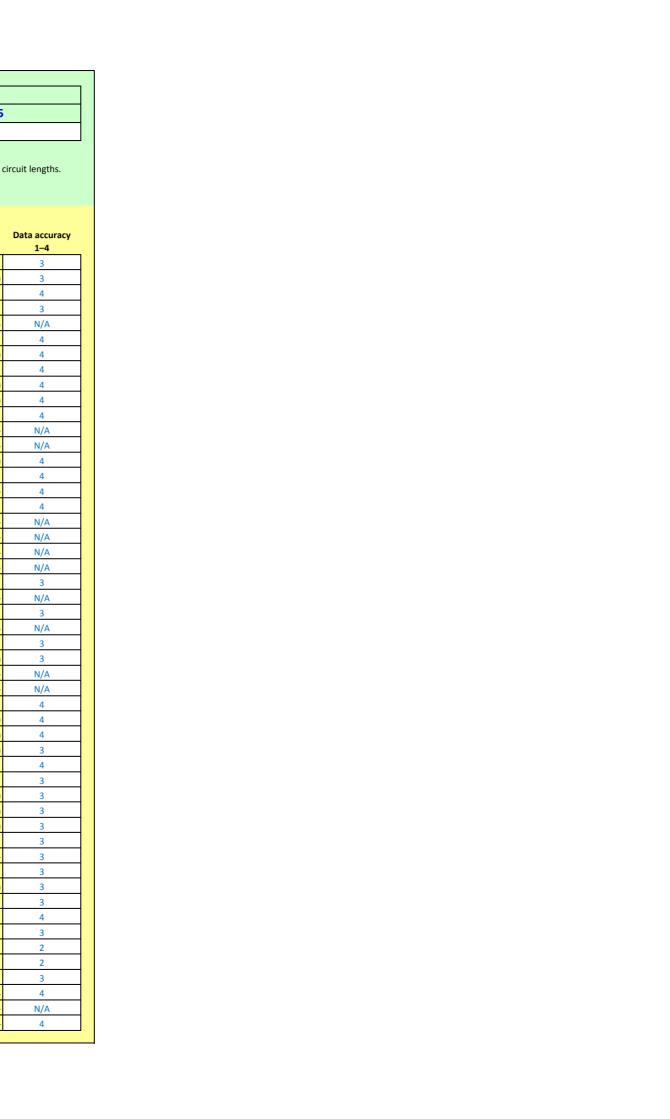
Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Southern

SCHEDULE 9a: ASSET REGISTER

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

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy 1–4
9	All	Overhead Line	Concrete poles / steel structure	No.	46,201	46,372	171	3
10	All	Overhead Line	Wood poles	No.	5,395	5,049	(346)	3
11	All	Overhead Line	Other pole types	No.	3	11	8	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	49	51	2	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	1	-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	167	195	28	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	148	143	(6)	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	5	5	0	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	53	48	(5)	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	30	30	(0)	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	17	17	0	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	13	11	(2)	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	49	50	1	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	5	5	_	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	9	13	4	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	_	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	_	-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	N/A
29	HV	Zone substation switchgear	33kV RMU	No.	_	_	-	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	114	130	16	3
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.		-	-	N/A
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	859	860	1	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	125	127	2	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	910	903	(6)	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	510	505	(0)	N/A
37	HV	Distribution Line	SWER conductor	km	_			N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	504	533	29	4
39	HV	Distribution Cable	Distribution UG PILC	km	1,625	1,617	(8)	4
40	HV	Distribution Cable	Distribution Submarine Cable	km	2	2	(0)	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	58	57	(1)	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	114	117	3	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1,966	2,003	37	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	3,161	2,823	(338)	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	4.548	4.407	(141)	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,074	2,050	(24)	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	6,493	6,571	78	3
48	HV	Distribution Transformer	Voltage regulators	No.	5,493	5	78	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	6,010	6,029	19	3
50	LV	LV Line	LV OH Conductor	km	1,999	1,990	(10)	3
51	LV	LV Cable	LV UG Cable	km	3,469	3,519	50	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	233	236	30	4
53	LV	Connections	OH/UG consumer service connections	No.	323,638	326,359	2,721	3
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,777	1,916	139	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	132	1,916	10	2
56	All	Capacitor Banks	Capacitors including controls	No	25	26	10	3
					21	21	1	4
57 58	All	Load Control	Centralised plant	Lot	21	21	-	
58 50	All	Load Control	Relays Cable Tunnels	No	- 10	- 10	-	N/A
59	All	Civils	Cable Tunnels	km	10	10	-	4



Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Vector

SCHEDULE 9b: ASSET AGE PROFILE

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

SI	n ref	e requires a summary or the age prome (c	asset on year of installation, or the assets that make up the network, by asset each	ego. y ana	. 05500 0.055. 7		ating to co		033003, 010	re une expres	Jea kin, i	cici to ciic	one rengerior																	
30	8	Disclosure Year (year ended)	31 March 2015									Numbe	r of assets at	disclosure	year end b	y installatio	n date													
							4050	4050	4070	4000	4000																		Items at No. with	
	9 Volta	ge Asset category	Asset class	Units	pre-1940	1940 -1949	1950 -1959	1960 -1969	1970 -1979	1980 -1989	1990 -1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 2	014 2	2015		end of year default (quantity) dates	Data accuracy (1–4)
	O All	Overhead Line	Concrete poles / steel structure	No.	12	367	5.915	18.055	18.022	16,661	10.690	529	805	994	843	396	1.380	2.153	2.148	1.897	2.025	1.782	1.191	1.494			1.999	15,756	109,246	3
	1 All	Overhead Line	Wood poles	No.	1	16	203	744	638	728	1,079	212	62	80	88	51	112	169	127	75	57	141	15	29	34	26	19	2,921	7,627	2
	2 All	Overhead Line	Other pole types	No.																					7	55	43		105	4
	.3 HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	2	2	24	74	161	75	1			3	1		1	4	2	0	15	1	7		0	0	3	0	375	4
	4 HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km				7	12										7					1					27	4
	.5 HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km			0		20	11	57	56	1	22	6	1	4	8	33	8	26	21	4	10	7	8	26	0	329	3
	.6 HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km				41	74	24	4		0	0		0	0	1	0		0	0			0				145	4
	7 HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km				5	0																				5	3
	8 HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	7	3	16	15	3	2	1	0					0	0		1						0	0	0	49	3
	.9 HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km					-		8			18			1			0			2						30	4
	20 HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km				11	0	5	0	0					1												17	4
	P1 HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																									-	N/A
	22 HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																									-	N/A
	3 HV	Subtransmission Cable	Subtransmission submarine cable	km				0		11	0																		12	4
	P4 HV	Zone substation Buildings	Zone substations up to 66kV	No.	\vdash	1	4	23	26	18	10	3	1		2			1	1	3	1	3	2			1			100	3
	P.5 HV	Zone substation Buildings	Zone substations 110kV+	No.	\vdash				2	4	1																		7	3
	P6 HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.							9																4		13	3
	?7 HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	\vdash						2																		2	2
	8 HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-																									N/A
	29 HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-		42	87	53	8				1						6	1	-							198	3
	80 HV	Zone substation switchgear	33kV RMU	No.	\vdash					20					5	1		5	3			-							14	4
	B1 HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-			14 39	18		27		10		4		38		12	32 10	21			6	4	36	27	_	249 167	3
	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.			10	248	248	27	106	15	5	-	1		19	15	2	10 89	21 44	39	34	25	57	32	17		1.339	4
	3 HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.			19	248	248	2/1	106	15	6	2	7		19	15	45	89	44	39	34	25	57	32	17	1	1,339	N/A
	HV HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No. No.		-	-	42	40	25	20		-	2	-	-		-	2		-	-			-	2	-		210	N/A 4
	86 HV	Zone Substation Transformer Distribution Line	Zone Substation Transformers Distribution OH Open Wire Conductor	km	-	4	148	555	1.028	1.411	299	97	10		11	6	22	36	65	21	21	10	8	8	- 1	6	9	28	3.814	3
	7 HV	Distribution Line	Distribution OH Open wire conductor Distribution OH Aerial Cable Conductor	km	-	4	140	333	1,020	1,411	299	97	10	4	- 11		22	30	03	21	21	10		٥	3		9	20	5,014	N/A
	88 HV	Distribution Line	SWER conductor	km	 	-										-		-					- +	-	-			_		N/A
	89 HV	Distribution Cable	Distribution UG XLPE or PVC	km	0	0	n	0	18	37	169	36	41	32	21	18	99	138	99	60	108	54	71	40	51	70	66	6	1,233	3
	0 HV	Distribution Cable	Distribution UG PILC	km	14	3	28	202	638	718	535	35	14	4	2	2	12	9	21	5	6	2	1	0	0	0	1	7	2,259	3
	11 HV	Distribution Cable	Distribution Submarine Cable	km			6	0	1	710	1	- 55									Ť		-	Ť		Ť		0	8	4
	12 HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.							23	6	5	1	3		4	13	38	91	46	5	6	13	16	2	2		274	4
	13 HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.				3	26	22	24	10	1			1	5	3	6	13	2	10		3	6	5	5	9	154	3
	4 HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1	i	10	274	1,213	2,029	1,616	258	184	163	159	61	239	319	282	249	290	160	110	175	282	350	541	77	9,042	4
	15 HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	7		1	407	1,122	721	470	77	72	67	55	64	90	81	49	38	49	46	38	50	25	11	5	105	3,650	3
	6 HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	3		4	300	1,099	1,374	809	128	93	115	173	167	184	121	105	64	58	100	130	134	199	194	206	6	5,766	3
	17 HV	Distribution Transformer	Pole Mounted Transformer	No.	16	39	158	321	787	1,531	1,436	298	134	201	157	41	249	286	338	215	258	232	132	222	174	228	205	2	7,660	3
	8 HV	Distribution Transformer	Ground Mounted Transformer	No.	6	49	164	870	2,168	2,554	2,500	294	292	264	229	88	612	443	512	311	316	294	326	261	341	416	355	3	13,668	3
	19 HV	Distribution Transformer	Voltage regulators	No.												1			5					3	2	1			12	3
	0 HV	Distribution Substations	Ground Mounted Substation Housing	No.	11	63	182	1,308	3,078	3,513	2,118	192	235	127	140	200	127	120	86	72	58	48	52	56	107	156	193	128	12,370	3
	1 LV	LV Line	LV OH Conductor	km	0	4	120	562	1,089	1,851	158	109	7	7	12	4	17	27	46	12	13	9	12	13	11	9	11	56	4,159	3
	52 LV	LV Cable	LV UG Cable	km	5	23	47	438	1,080	1,072	1,275	115	99	56	50	48	215	263	161	81	114	73	74	46	70	104	127	19	-,	3
	3 LV	LV Street lighting	LV OH/UG Streetlight circuit	km	3	1	10	24	46	54	87	8	7	4	3	3	15	16	15	11	18	9	17	9	8	18	14	4	400	3
	i4 LV	Connections	OH/UG consumer service connections	No.	3	1	66	99	34,893	301,278	91,377	6,189	4,585	4,189	9,561	11,917	11,982	11,903	7,963	7,267	5,660	5,554	5,284	4,977	4,940	5,925	7,210	3	542,826	3
	55 All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	$\perp \perp$			172	365	298	227	15	33	11	10	42	51	69	43	224	315	94	65	35	86			891	3,046	2
	6 All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	$\sqcup \sqcup$												14	19	22	28	13	17	14	39	35	11		19	231	2
	7 All	Capacitor Banks	Capacitors including controls	No	$\sqcup \bot$						23	59		1	1		2	2		1		2		1	11		1		104	3
	8 All	Load Control	Centralised plant	Lot	\vdash			8	1	4	11	1	\sqcup	1		1	1	1	2							1			32	3
	9 All	Load Control	Relays	No	\vdash			\sqcup		\sqcup			\sqcup																-	N/A
	60 All	Civils	Cable Tunnels	km	oxdot							9					0							0				1	10	4

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Northern

SCHEDULE 9b: ASSET AGE PROFILE

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

ch ref																											
Í		Disclosure Year (year ended)	31 March 2015									Numbe	r of assets a	at disclosure	year end l	by installation	on date										
						1940	1950	1960	1970	1980	1990																
9	Voltage	Asset category	Asset class	Units	pre-1940		-1959	-1969	-1979	-1989	-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
0	All	Overhead Line	Concrete poles / steel structure	No.	7	367		12,390	16.972	13.620	6.146	271	280	262	252	184	397	522	383	404	733	496	_				98
	All	Overhead Line	Wood poles	No.	1	16	203	270	481	583	448	12	17	51	24	17	53	68	61	23	39	105	3	21	18	22	1
	All				-	10	203	270	401	363	440	12	17	31	24	1/	33	08	01	23	33	103		21	10	52	3
		Overhead Line	Other pole types	No.					<u> </u>														+	$\vdash \vdash$		52	
	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	2	2	24	74	127	75	1				0		1	4	2	0	10	1	2	₩	0	igspace	
	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km				7	12										7					1		$oxed{oxed}$	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km			0		20	10	24	8	0	1	1	1	3	7	17	7	23	2	4	1	2	1	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km				1	1										0				'	1 '		1 /	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km																							
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km					1	0	0																
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km																							
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km																				<u> </u>			
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km												oxdot								—~		╙	
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km												igsquare							<u> </u>	└ ──'		لـــــــا	
	HV	Subtransmission Cable	Subtransmission submarine cable	km				0		0	0													<u> </u>		لـــــــا	
	HV	Zone substation Buildings	Zone substations up to 66kV	No.			2	12	11	11	5		1		1					3	1	1	1	\perp		1	
	HV	Zone substation Buildings	Zone substations 110kV+	No.					1		1													↓		igsquare	
	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																				↓		igsquare	
	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.							2													↓		igsquare	
	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																				↓ —_'		igsquare	
	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	<u> </u>		42	87	53	8				1						6	1			↓		igspace	
	HV	Zone substation switchgear	33kV RMU	No.											5	1		5	3					₩			
	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	<u> </u>	<u> </u>	5				6		5		4	\vdash	38		9	23	1			+	4	30	
	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	<u> </u>	_	17	39	37	27 72	_		5		1	\vdash	10	3	2	10 48	21		4	\vdash	1	19	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	 		1/	36	96	//2	41		ь		/	\vdash	18	ь		48	27	25		9	32	19	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	 		_		16	40									_		_					\vdash	
	HV HV	Zone Substation Transformer	Zone Substation Transformers	No. km	_	4	148	17 555	962	18 783	262	0	1 8	1	2	1	17	30	55	12	18	-	3	1	1	1 4	
	HV	Distribution Line Distribution Line	Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor	km	- 0	4	148	555	962	/83	202	8	8			5	1/	30	55	12	18	/	5	3	4	4	
	HV	Distribution Line	SWER conductor	km	<u> </u>		<u> </u>									\vdash									-	$\vdash \vdash$	
	HV	Distribution Cable	Distribution UG XLPE or PVC	km	 	0	0	0	7	26	152	29	22	17	7	13	33	82	40	20	73	29	31	18	26	26	
	HV	Distribution Cable	Distribution UG PILC	km	 	0	1	17	121	271	201	0	22	27	1	2	1	2	40	1	2	0	0	0	0	0	
	HV	Distribution Cable	Distribution Submarine Cable	km	-		6	0	121	2/1	0			_	_	-	_		,	_					·		
	HV	Distribution cable Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.		1	_ <u> </u>	 °			22	6	5	1	2	\vdash	4	3	21	76	44	3	5	10	12	1	
	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.					3	3	1	Ů				1		1	2	9	1	2		1	4	2	
	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.			10	271	1.176	1.486	1.423	159	123	118	102	61	145	259	181	160	247	121	70	109	157	207	4
	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.		i	1	3	10	106	220	39	25	41	28	26	43	38	26	18	26	28					
	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.		i	1	20	39	211	298	63	30	49	65	68	54	35	37	19	18	55					
	HV	Distribution Transformer	Pole Mounted Transformer	No.	16	39	156	269	583	1,193	1,110	162	99	106	87	40	192	236	245	127	168	157	92	146	112	136	1
	HV	Distribution Transformer	Ground Mounted Transformer	No.	6	49	162	777	1,072	983	1,030	163	127	142	113	72	434	266	230	162	195	209	209	137	152	212	1
	HV	Distribution Transformer	Voltage regulators	No.												1			1					2	2	1	
	HV	Distribution Substations	Ground Mounted Substation Housing	No.	11	62	181	1,134	1,615	1,307	963	105	129	69	80	129	67	68	28	33	18	33	23	26	48	83	1
	LV	LV Line	LV OH Conductor	km	0	4	120	560	840	433	67	1	2	1	0	2	10	23	38	8	8	6	8	6	5	5	
	LV	LV Cable	LV UG Cable	km	1	6	10	204	407	281	494	59	31	21	15	30	63	144	55	32	52	28	29	20	31	47	
	LV	LV Street lighting	LV OH/UG Streetlight circuit	km		1	1	9	18	20	36	5	2	1	1	2	3	4	3	2	9	5	11	4	3	13	
	LV	Connections	OH/UG consumer service connections	No.			65	3	28,154	45,215	88,944	5,548	4,090	3,596	4,328	4,647	4,262	3,406	3,138	3,232	2,227	2,439			, , ,	/	3,6
	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.				41	128	111	54		3	3	4	42	45	19	5	107	29	78	33	25			
	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot													3	7	13	8	7	5	8	19			
	All	Capacitor Banks	Capacitors including controls	No							1	57		1	1	igsquare	2	2		1		2	<u> </u>	└ ──'	11	لـــــــا	
	All	Load Control	Centralised plant	Lot				8	1	2						$oxed{oxed}$							'	└─ ─′		╙	
9	All	Load Control	Relays	No												$oxed{oxed}$							<u> </u>	└		لـــــــا	
)	All	Civils	Cable Tunnels	km																			'	<u> </u>			

No. with	Total	No. with	
Age	assets at		Data accuracy
unknown	year end	dates	(1-4)
90	62,874		3
24	2,578		2
	94		4
0	324		4
	27		4
0	134		3
- 0			
	2		4 N/A
-	1		N/A 3
	1		N/A
			N/A
			N/A
			N/A
	1		4
	50		3
	2		3
	-		N/A
	2		2
	-		N/A
	198		3
	14		4
	119		3
	167		3
	479		4
	-		N/A
	83		4
9	2,911		3
	-		N/A
1	700		N/A 3
2	642		3
0	7		4
-	217		4
2	37		3
32	7,039		4
94	827		3
1	1,359		3
	5,610		3
1	7,097		3
	7		3
3	6,341		3
15	2,169		3
7	2,135		3
2	164		3
	216,467		3
383	1,130		2
1	89		2
	78		3
-	11		3
	-		N/A N/A
	-		N/A

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Southern

SCHEDULE 9b: ASSET AGE PROFILE

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

		Disclosure Year (year ended)	31 March 2015									Numbe	r of assets at	t disclosure	year end b	y installatio	on date													
						1940	1950	1960	1970	1980	1990																	No. with Age	Total No. w assets at defa	vith ult Data accurac
9	Voltage	Asset category	Asset class	Units	pre-1940	-1949	-1959	-1969	-1979	-1989	-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	unknown	year end date	
10	All	Overhead Line	Concrete poles / steel structure	No.	5		192	5,665	1,050	3,041	4,544	258	525	732	591	212	983	1,631	1,765	1,493	1,292	1,286	882	1,078	1,297	1,166	1,018	15,666	46,372	3
11	All	Overhead Line	Wood poles	No.				474	157	145	631	200	45	29	64	34	59	101	66	52	18	36	12	8	16	4	1	2,897	5,049	2
12	All	Overhead Line	Other pole types	No.																						3	8		11	4
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km					34					3	1						5		6			0	2	0	51	4
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km																									-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km						2	33	48	1	21	5	0	1	1	15	1	3	19	0	9	5	8	23	0	195	3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km				40	73	24	4		0	0		0	0	1	0		0	0			0				143	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km				5	0																				5	3
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	7	3	16	15	3	2	0	0					0	0		1						0	0	0	48	3
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km					-		8			18			1			0			2						30	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km				11	0	5	0	0					1												17	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																									-	N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																									-	N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km						11																			11	4
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.		1	2	11	15	7	5	3			1			1	1			2	1						50	3
25	HV	Zone substation Buildings	Zone substations 110kV+	No.					1	4																			5	3
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.							9																4		13	3
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.																									_	N/A
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																									-	N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.																									-	N/A
30	HV	Zone substation switchgear	33kV RMU	No.																									-	N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.				14	18	20	27		10						3	9				6		6	17		130	3
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.																									-	N/A
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.			2	212	152	199	65	15					1	9	45	41	17	14	27	16	25	13	6	1	860	4
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.																									-	N/A
45	HV	Zone Substation Transformer	Zone Substation Transformers	No.			3	25	33	17	20	4		1	1			1		3		5	5	5		1	3		127	4
46	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0			0	66	628	37	89	2	2	9	1	5	6	10	9	3	4	3	5	2	2	1	19	903	3
47	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km																									-	N/A
48	HV	Distribution Line	SWER conductor	km																									-	N/A
49	HV	Distribution Cable	Distribution UG XLPE or PVC	km	0			0	11	11	17	7	18	14	14	5	66	56	59	30	34	25	39	23	25	44	30	5	533	3
50	HV	Distribution Cable	Distribution UG PILC	km	14	3	27	185	517	447	334	27	11	3	1	0	11	6	17	4	3	2	1	0	0	0	0	4	1,617	3
51	HV	Distribution Cable	Distribution Submarine Cable	km					1		1																		2	4
52	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.							1				1			10	17	15	2	2	1	3	4	1			57	4
53	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.				3	23	19	23	10	1				5	2	4	4	1	8		2	2	3		7	117	3
54	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1			3	37	543	193	99	61	45	57		94	60	101	89	43	39	40	66	125	143	119	45	2,003	4
55	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	7		1	404	1,112	615	250	38	47	26	27	38	47	43	23	20	23	18	23	32	10	5	3	11	2,823	3
56	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	3		3	280	1,060	1,163	511	65	63	66	108	99	130	86	68	45	40	45	93	80	150	124	120	5	4,407	3
57	HV	Distribution Transformer	Pole Mounted Transformer	No.		Ī	2	52	204	338	326	136	35	95	70	1	57	50	93	88	90	75	40	76	62	92	66	2	2,050	3
58	HV	Distribution Transformer	Ground Mounted Transformer	No.		Ī	2	93	1,096	1,571	1,470	131	165	122	116	16	178	177	282	149	121	85	117	124	189	204	161	2	6,571	3
59	HV	Distribution Transformer	Voltage regulators	No.															4					1					5	3
60	HV	Distribution Substations	Ground Mounted Substation Housing	No.		1	1	174	1,463	2,206	1,155	87	106	58	60	71	60	52	58	39	40	15	29	30	59	73	67	125	6,029	3
61	LV	LV Line	LV OH Conductor	km	0			3	249	1,419	92	108	5	5	11	2	7	5	7	5	5	3	5	7	5	4	3	41	1,990	3
62	LV	LV Cable	LV UG Cable	km	4	17	37	234	674	791	780	56	68	35	35	18	152	120	107	49	62	45	45	26	39	57	58	12	3,519	3
63	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	3	0	8	15	27		51	3	5	3	2	2	13	12	11	9	9	4	6	4	4	5	5	1	236	3
64	LV	Connections	OH/UG consumer service connections	No.	3	1	1	96		256,063	2,433	641	495	593	5,233	7,270	7,720	8,497	4,825	4,035	3,433	3,115	3,072	2,865	2,614	3,038		3	326,359	3
65	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.				131	237	187	173	15	30	8	6		6	50	38	117	286	16	32	10	66	-,-,-		508	1,916	2
66	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot													11	12	9	20	6	12	6	20	17	11		18	142	2
67	All	Capacitor Banks	Capacitors including controls	No							22	2												1			1		26	3
68	All	Load Control	Centralised plant	Lot						2	11	1		1		1	1	1	2							1	_		21	3
69	All	Load Control	Relays	No										-		-	-	-	-											N/A
	All	Civils	Cable Tunnels	km																							<u> </u>		10	4

Company Name
For Year Ended
Network / Sub-network Name

Vector

Vector

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

h ref				
ĺ				
9				
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)
1	> 66kV	27	47	7
12	50kV & 66kV			
13	33kV	373	407	77
14	SWER (all SWER voltages)			_
15	22kV (other than SWER)	3	169	13
16	6.6kV to 11kV (inclusive—other than SWER)	3,813	3,465	7,31
17	Low voltage (< 1kV)	4,159	5,654	9,81
18	Total circuit length (for supply)	8,375	9,742	18,11
19				
0	Dedicated street lighting circuit length (km)	17	383	40
1	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			3,65
22				
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)	
	Urban	4,236		
24		4,139	51% 49%	
			49%	
	Rural	4,139		
26	Remote only	4,139	-	
16 17	Remote only Rugged only	4,139	-	
26 27 28	Remote only Rugged only Remote and rugged	4,133	-	
26 27 28 29	Remote only Rugged only Remote and rugged Unallocated overhead lines		- - -	
25 26 27 28 29 30	Remote only Rugged only Remote and rugged	8,375	-	
26 27 28 29	Remote only Rugged only Remote and rugged Unallocated overhead lines		- - -	
26 27 28 88 29 30	Remote only Rugged only Remote and rugged Unallocated overhead lines	8,375	- - - 100%	
26 27 28 29	Remote only Rugged only Remote and rugged Unallocated overhead lines	8,375 Circuit length		
26 27 28 29 20 21	Remote only Rugged only Remote and rugged Unallocated overhead lines Total overhead length	8,375 Circuit length (km) 18,045	- - 100% (% of total circuit length)	
66 77 88 99 90 11	Remote only Rugged only Remote and rugged Unallocated overhead lines Total overhead length	8,375 Circuit length (km)	- - - 100% (% of total circuit length)	

Company Name
For Year Ended
Network / Sub-network Name

Vector
31 March 2015
Northern

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

ch ref				
9				Total circuit lengtl
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	(km)
11	> 66kV	27	Oliderground (kill)	(КП)
12	50kV & 66kV	21		
13	33kV	325	138	46
14	SWER (all SWER voltages)	323	136	40
15	22kV (other than SWER)			
16	6.6kV to 11kV (inclusive—other than SWER)	2,910	1,349	4,25
17	Low voltage (< 1kV)	2,169	2,135	4,30
18	Total circuit length (for supply)	5,431	3,621	9,05
19	Total circuit icligiti (for supply)	3,431	3,021	5,05
20	Dedicated street lighting circuit length (km)	12	152	16
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)	12	132	1,58
22	Circuit in Sensitive areas (conservation areas, iwi territory etc) (kin)			1,30
22		Circuit length	(% of total	
23	Overhead circuit length by terrain (at year end)	(km)	overhead length)	
24	Urban	1,910	35%	
25	Rural	3,520	65%	
26	Remote only	3,320	0376	
27	Rugged only		_	
28	Remote and rugged		_	
29	Unallocated overhead lines		_	
		5.424	4000/	
30	Total overhead length	5,431	100%	
31			10/ 5	
22		Circuit length	(% of total circuit	
32		(km)	length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	8,988	99%	
24		F420 C24	(% of total	
34	Outside and already to a suitifier constablish management	5430.634	overhead length)	
35	Overhead circuit requiring vegetation management	5,431	100%	

Test for cell G30 conditional formatting

Cell G18	Agrees with cell Q17 value
5,431	TRUE

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Southern

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch r	ef			
9				
				Total circuit
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	length (km)
11	> 66kV		47	47
12	50kV & 66kV		250	-
13	33kV	48	269	317
14	SWER (all SWER voltages)		4.00	- 472
15	22kV (other than SWER)	3	169	172
16	6.6kV to 11kV (inclusive—other than SWER)	903	2,117	3,020
17	Low voltage (< 1kV)	1,990	3,519	5,509
18	Total circuit length (for supply)	2,944	6,120	9,064
19			T	
20	Dedicated street lighting circuit length (km)	5	231	236
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			2,075
22			4-4 4	
22	Control to the other control of the control	6° '1 1 1 1 1	(% of total	
23	Overhead circuit length by terrain (at year end)	Circuit length (km)		
24	Urban	2,326		
25	Rural	618	21%	
26	Remote only		-	
27	Rugged only		-	
28	Remote and rugged		-	
29	Unallocated overhead lines		-	
30	Total overhead length	2,944	100%	
31				
			(% of total circuit	
32		Circuit length (km)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)	9,057	100%	
			(% of total	
34			overhead length)	
35	Overhead circuit requiring vegetation management	2,944	100%	

to S1

Test for cell G30 conditional formatting

rest for cell d30 conditional formatti								
	Agrees with cell Q17							
Cell G18	value							
2,944	TRUE							

Company Name	Vector
For Year Ended	31 March 2015

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

embedded network

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

sch ref Number of ICPs Line charge revenue Location * (\$000) served * Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another

	Company Name	Vector
	For Year Ended	31 March 2015
	Network / Sub-network Name	Combined
sc	CHEDULE 9e: REPORT ON NETWORK DEMAND	
This	s schedule requires a summary of the key measures of network utilisation for the disclosure year (number of r ributed generation, peak demand and electricity volumes conveyed).	new connections including
sch re	f	
8	9e(i): Consumer Connections	
9	Number of ICPs connected in year by consumer type	
		Number of
10	Consumer types defined by EDB*	connections (ICPs)
11 12	Residential Commercial	3,035 4,289
13	[EDB consumer type]	7 22
14	[EDB consumer type]	
15	[EDB consumer type]	
16 17	* include additional rows if needed Connections total	7 224
18	Connections total	7,324
19	Distributed generation	
20	Number of connections made in year	1,263 connections
21	Capacity of distributed generation installed in year	4.74 MVA
22	9e(ii): System Demand	
23		
24		Demand at time
		of maximum
		coincident
25	Maximum coincident system demand	demand (MW)
26	GXP demand	1,722
27	plus Distributed generation output at HV and above	10
28 29	Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above	1,732
30	Demand on system for supply to consumers' connection points	1,732
31	Electricity volumes carried	Energy (GWh)
32	Electricity supplied from GXPs	8,585
33	less Electricity exports to GXPs	100
34 35	plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs	100
36	Electricity entering system for supply to consumers' connection points	8,685
37	less Total energy delivered to ICPs	8,363
38	Electricity losses (loss ratio)	322 3.7%
39	Load factor	0.57
40	Loau ractor	0.57
41	9e(iii): Transformer Capacity	
42		(MVA)
43	Distribution transformer capacity (EDB owned)	4,117
44	Distribution transformer capacity (Non-EDB owned, estimated)	501
45 46	Total distribution transformer capacity	4,618
46	Zone substation transformer capacity	4,368

	Company Name	Vector	
	For Year Ended	31 March 2015	
	Network / Sub-network Name	Northern	
c			
_	CHEDULE 9e: REPORT ON NETWORK DEMAND		
Th sch re	is schedule requires a summary of the key measures of network utilisation for the disclosure year (number of ne	ew connections including	
	9e(i): Consumer Connections		
8 9	Number of ICPs connected in year by consumer type		
9	Number of ices connected in year by consumer type	Number of	
10	Consumer types defined by EDB*	connections (ICPs)	
11	Residential	1,087	
12	Commercial	2,420	
13	[EDB consumer type]		
14 15	[EDB consumer type] [EDB consumer type]		
16	* include additional rows if needed		
17	Connections total	3,507	
18			
19	Distributed generation		
20	Number of connections made in year	752 connections	
21	Capacity of distributed generation installed in year	2.51 MVA	
22	9e(ii): System Demand		
23		Demana at time	
24		of maximum	
25	Maximum coincident system demand	coincident	
26 27	GXP demand plus Distributed generation output at HV and above	638	
28	Maximum coincident system demand	646	
29	less Net transfers to (from) other EDBs at HV and above	9.0	
30	Demand on system for supply to consumers' connection points	646	
31	Electricity volumes carried	Energy (GWh) Energy (GWh)	
32	Electricity supplied from GXPs	2,636	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	71	
35 36	less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points	2,706	
37	less Total energy delivered to ICPs	2,624	from 5
38	Electricity losses (loss ratio)	82 3.0%	
39			
40	Load factor	0	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	1,487	to S1
44	Distribution transformer capacity (Non-EDB owned)	211	
45	Total distribution transformer capacity	1,698	
	Total distribution density apacity	1,050	
46		1410	
47	Zone substation transformer capacity	1,449	
			J

	Company Name	Vector	
	For Year Ended	31 March 2015	
	Network / Sub-network Name	Southern	
S	CHEDULE 9e: REPORT ON NETWORK DEMAND		
Thi	is schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new o	connections including	
ch re	ef		
8	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
		Number of	
10	Consumer types defined by EDB* Residential	connections (ICPs)	
11 12	Commercial	1,869	
13	[EDB consumer type]	1,005	
14	[EDB consumer type]		
15	[EDB consumer type]		
16	* include additional rows if needed		
17	Connections total	3,817	
18			
19	Distributed generation		
20 21	Number of connections made in year Capacity of distributed generation installed in year	511 connections 2.23 MVA	
		2.25 WVA	
22	9e(ii): System Demand		
23 24		Demand at time	
	Maximum coincident system demand	of maximum	
25 26	GXP demand	coincident 1,119	
27	plus Distributed generation output at HV and above	3	
28	Maximum coincident system demand	1,122	
29	less Net transfers to (from) other EDBs at HV and above		
30	Demand on system for supply to consumers' connection points	1,122	
31	Electricity volumes carried	Energy (GWh) Energy (GWh)	
32	Electricity supplied from GXPs	5,949	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	29	
35 36	less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points	5,975	
37	less Total energy delivered to ICPs	5,848	from S8
38	Electricity losses (loss ratio)	127 2.1%	
39			
40	Load factor	1	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	2,630	to S1
44		290	10 31
	Distribution transformer capacity (Non-EDB owned)		
45	Total distribution transformer capacity	2,920	
46			
47	Zone substation transformer capacity	2,919	

Company Name
For Year Ended
Network / Sub-network Name

Vector
31 March 2015
Vector Combined

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

h ref				
8	10(i): Interruptions	Normalian of		
9	Interruptions by class	Number of interruptions		
10	Class A (planned interruptions by Transpower)			
11	Class B (planned interruptions on the network)	1,161		
12	Class C (unplanned interruptions on the network)	1,619		
!3	Class D (unplanned interruptions by Transpower)			
14	Class E (unplanned interruptions of EDB owned generation)			
!5	Class F (unplanned interruptions of generation owned by others)			
6	Class G (unplanned interruptions caused by another disclosing entity)			
7	Class H (planned interruptions caused by another disclosing entity)			
8 9	Class I (interruptions caused by parties not included above) Total	2,780		
20	Total	2,780		
21	Interruption restoration	≤3Hrs	>3hrs	
2	Class C interruptions restored within	748	871	
3				
4	SAIFI and SAIDI by class	SAIFI	SAIDI	
5	Class A (planned interruptions by Transpower)			
6	Class B (planned interruptions on the network)	0.10	20.0	
7	Class C (unplanned interruptions on the network)	1.77	476.2	
3	Class D (unplanned interruptions by Transpower)			
9	Class E (unplanned interruptions of EDB owned generation)			
0	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	1.87	496.2	
5				
6	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI	
7	Classes B & C (interruptions on the network)	1.84	155.3	
8		SAIEI reliability	SAIDI reliability	
9	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit	
0	SAIFI and SAIDI limits applicable to disclosure year*	1.86	127.3	
1	* not applicable to exempt EDBs	2.00	227.0	
13	Cause	SAIFI		
5			SAIDI	
	Lightning	0.03	1.0	
6	Vegetation	0.36	1.0 99.4	
6 7	Vegetation Adverse weather	0.36 0.15	1.0 99.4 47.7	
6 7 8	Vegetation Adverse weather Adverse environment	0.36 0.15 0.00	1.0 99.4 47.7 0.0	
6 7 8 9	Vegetation Adverse weather Adverse environment Third party interference	0.36 0.15 0.00 0.11	1.0 99.4 47.7 0.0 12.2	
6 7 8 9	Vegetation Adverse weather Adverse environment Third party interference Wildlife	0.36 0.15 0.00 0.11 0.07	1.0 99.4 47.7 0.0 12.2 5.8	
66 17 18 18 19 10 11	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error	0.36 0.15 0.00 0.11	1.0 99.4 47.7 0.0 12.2	
6 7 8 9 0 1	Vegetation Adverse weather Adverse environment Third party interference Wildlife	0.36 0.15 0.00 0.11 0.07 0.05	1.0 99.4 47.7 0.0 12.2 5.8 0.4	
66 87 88 99 60 61 62	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown	0.36 0.15 0.00 0.11 0.07 0.05 0.64	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7	
6 7 8 9 0 1 1 2 3 4	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment	0.36 0.15 0.00 0.11 0.07 0.05 0.64	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7	
	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown	0.36 0.15 0.00 0.11 0.07 0.05 0.64	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7	
	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved	0.36 0.15 0.00 0.11 0.07 0.05 0.64	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0	
5 7 7 8 8 8 8 8 8 7 7 7 7 7 8 8 8 8 9 9 9 9	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables	0.36 0.15 0.00 0.11 0.07 0.05 0.64	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0	
55 77 33 39 99 90 90 90 90 90 90 90 90 90 90 90 90	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0	
55 77 33 39 99 11 55 57 77 33 39 99 90 11	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0	
55 77 33 33 33 34 44 55 55 77 77 77 11	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0	
66 77 88 99 00 11 22 33 44 77 88 99 00 11 12 22 31 41 41 41 41 41 41 41 41 41 41 41 41 41	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0	
5 7 7 8 8 9 9 11 12 22 33 44 55 56 7 7 8 9 9 9 9 11 11 12 12 13 13 14 14 15 15 15 15 15 15 15 15 15 15	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0	
6 7 8 8 9 9 0 1 1 2 2 3 3 4 4 5 6 6 7 7 8 8 9 9 0 0 1 1 1 1 2 2 2 3 3 3 4 4 4 1 1 1 2 2 3 3 4 4 4 5 4 5 4 5 4 3 3 4 4 4 5 5 3 3 4 4 5 5 3 3 4 4 5 5 3 3 4 4 5 5 5 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI	
5 7 7 7 7 7 7 7 7 7 7 7 7 7	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) To(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8	
5 7 7 8 8 9 9 9 9 11 22 33 44 55 65 7 7 8 9 9 9 9 11 12 12 13 13 14 15 15 15 15 15 15 15 15 15 15	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI	
5 7 8 8 9 9 9 1 1 2 2 3 3 4 4 5 5 6 7 7 8 9 9 9 1 1 1 1 2 2 1 3 3 3 4 4 4 5 5 6 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission lines Subtransmission cables	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06 SAIFI 0.17 0.21	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI 16.2 221.3	
5 7 8 8 9 9 9 1 1 2 2 3 3 4 4 5 5 6 7 7 8 8 9 9 9 1 1 1 2 2 1 3 3 3 4 4 4 5 5 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other (excluding LV) 20(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission cables Subtransmission other	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06 SAIFI 0.17 0.21 0.28	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI 16.2 221.3 12.0	
5 5 7 7 8 8 9 9 9 11 12 22 33 44 55 56 7 7 8 8 9 9 9 10 11 12 12 12 13 13 13 14 15 15 15 15 15 15 15 15 15 15	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Subtransmission lines Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06 SAIFI 0.17 0.21 0.28 0.74	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI 16.2 221.3 12.0 174.9	
678901234566789901234556789901	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other (excluding LV) 20(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission cables Subtransmission other	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06 SAIFI 0.17 0.21 0.28	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI 16.2 221.3 12.0	
66 67 68 69 60 61 62 63 64 65 66 67 68 69 60 61 62 63 64 65 66 67 68 69 60 61 62 63 64 65 66 67 68 69 60 61 62 63 64 65 66 67 68 69 60 61 62 63 64 65 66 67 68 69 60 61 62 63 64 65 65 66 67 68 69 60 61 62 63 64 65 65 66 67 68 69 60 61 62 63 64 65 65 66 67 68 69 60 61 62 63 64 65 65 65 65 65 65 65 65 65 65 65 65 65	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission ther Distribution lines (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Oistribution cables (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06 SAIFI 0.17 0.21 0.28 0.74 0.13	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI 16.2 221.3 12.0 174.9 15.2	
6 7 8 9 0 1 1 2 3 4 5 6 7 8 9 9 0 1 1 2 3 4 4 5 6 7 8 9 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Subtransmission other Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06 SAIFI 0.17 0.21 0.28 0.74 0.13	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI 16.2 221.3 12.0 174.9 15.2	
5 7 7 8 8 9 9 9 10 12 12 13 14 15 15 15 17 18 19 19 19 19 19 19 19 19 19 19	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06 SAIFI 0.17 0.21 0.28 0.74 0.13 0.26	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI 16.2 221.3 12.0 174.9 15.2 36.6	Fault ra
67890112344 556789901123 4456678990112 3	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission ther Distribution lines (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Oistribution cables (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06 SAIFI 0.17 0.21 0.28 0.74 0.13	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI 16.2 221.3 12.0 174.9 15.2 36.6	Fault raper :
66 67 68 69 70 71	Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Interval (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission ines Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	0.36 0.15 0.00 0.11 0.07 0.05 0.64 0.37 SAIFI 0.03 0.01 0.06 SAIFI 0.17 0.21 0.28 0.74 0.13 0.26	1.0 99.4 47.7 0.0 12.2 5.8 0.4 263.7 46.0 SAIDI 7.8 2.4 9.8 SAIDI 16.2 221.3 12.0 174.9 15.2 36.6 Circuit length (km)	

Distribution lines (excluding LV)

Distribution cables (excluding LV)

Distribution other (excluding LV)

Total

78

79

80 81 937

176

428 1,619 3,814

24.57

Company Name
For Year Ended
Network / Sub-network Name

Vector

31 March 2015

Southern

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

88

Total

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

sch ref 10(i): Interruptions Number of Interruptions by class interruptions 10 Class A (planned interruptions by Transpower) Class B (planned interruptions on the network) 435 11 12 Class C (unplanned interruptions on the network) 507 13 Class D (unplanned interruptions by Transpower) 14 Class E (unplanned interruptions of EDB owned generation) 15 Class F (unplanned interruptions of generation owned by others) 16 Class G (unplanned interruptions caused by another disclosing entity) 17 Class H (planned interruptions caused by another disclosing entity) 18 Class I (interruptions caused by parties not included above) 19 Total 20 21 Interruption restoration 274 233 22 Class C interruptions restored within 23 SAIFI SAIDI SAIFI and SAIDI by class 24 25 Class A (planned interruptions by Transpower) 26 Class B (planned interruptions on the network) 0.04 27 Class C (unplanned interruptions on the network) 1.20 472.5 Class D (unplanned interruptions by Transpower) 28 29 Class E (unplanned interruptions of EDB owned generation) 30 Class F (unplanned interruptions of generation owned by others) 31 Class G (unplanned interruptions caused by another disclosing entity) Class H (planned interruptions caused by another disclosing entity) 32 Class I (interruptions caused by parties not included above) 33 34 Total 1.25 477.7 35 **Normalised SAIFI and SAIDI** Normalised SAIFI Normalised SAIDI Classes B & C (interruptions on the network) 134.1 37 1.25 38 **SAIFI** reliability **SAIDI** reliability Quality path normalised reliability limit 39 limit limit SAIFI and SAIDI limits applicable to disclosure year* 40 41 * not applicable to exempt EDBs 10(ii): Class C Interruptions and Duration by Cause 42 43 SAIFI Cause 44 45 Lightning 0.01 46 Vegetation 0.22 47 Adverse weather 0.05 12.4 48 0.00 0.0 Adverse environment 9.5 Third party interference 0.10 50 Wildlife 0.05 3.7 51 Human error 0.05 0.2 0.60 394.8 52 Defective equipment 53 Cause unknown 0.13 10(iii): Class B Interruptions and Duration by Main Equipment Involved 62 63 Main equipment involved SAIFI SAIDI 64 65 Subtransmission lines 66 Subtransmission cables 67 Subtransmission other 0.01 68 Distribution lines (excluding LV) Distribution cables (excluding LV) 0.00 0.2 69 70 Distribution other (excluding LV) 0.04 10(iv): Class C Interruptions and Duration by Main Equipment Involved 72 SAIFI SAIDI 73 Main equipment involved 74 0.01 Subtransmission lines 75 Subtransmission cables 0.33 367.6 76 Subtransmission other 0.05 0.1 77 Distribution lines (excluding LV) 0.47 71.0 78 Distribution cables (excluding LV) 0.16 17.5 79 Distribution other (excluding LV) 0.17 80 10(v): Fault Rate Fault rate (faults Number of Faults Circuit length (km) 81 Main equipment involved per 100km) 82 Subtransmission lines 9.83 18 83 Subtransmission cables 450 4.00 84 Subtransmission other 255 903 Distribution lines (excluding LV) 85 Distribution cables (excluding LV) 93 2,151 4.32 87 Distribution other (excluding LV) 134

507

Company Name
For Year Ended
Network / Sub-network Name

Vector

31 March 2015

Northern

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

Distribution other (excluding LV)

Total

88

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

	ability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information I so is subject to the assurance report required by section 2.8.	·			
sch re	f				
8	10(i): Interruptions	Number of			
9	Interruptions by class	interruptions			
10	Class A (planned interruptions by Transpower)				
11	Class B (planned interruptions on the network)	726			
12	Class C (unplanned interruptions on the network)	1,112			
13	Class D (unplanned interruptions by Transpower)				
14	Class E (unplanned interruptions of EDB owned generation)				
15	Class F (unplanned interruptions of generation owned by others)				
16 17	Class G (unplanned interruptions caused by another disclosing entity) Class H (planned interruptions caused by another disclosing entity)				
18	Class I (interruptions caused by parties not included above)				
19	Total	1,838			
20					
21	Interruption restoration	≤3Hrs	>3hrs		
22	Class C interruptions restored within	474	638		
23					
24	SAIFI and SAIDI by class	SAIFI	SAIDI		
25	Class A (planned interruptions by Transpower)				
26	Class B (planned interruptions on the network)	0.18	42.2		
27	Class C (unplanned interruptions on the network)	2.64	482.0		
28	Class D (unplanned interruptions by Transpower)				
29	Class E (unplanned interruptions of EDB owned generation)				
30	Class F (unplanned interruptions of generation owned by others)				
31 32	Class G (unplanned interruptions caused by another disclosing entity) Class H (planned interruptions caused by another disclosing entity)				
33	Class I (interruptions caused by parties not included above)				
34	Total	2.82	524.2		
35					
26	Normalized CAIFL and CAIDI	Normalised SAIFI	Normalised SAIDI		
36	Normalised SAIFI and SAIDI				
37	Classes B & C (interruptions on the network)	2.72	249.4		
38					
		SAIFI reliability	SAIDI reliability		
39	Quality path normalised reliability limit	limit	limit		
40	SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A		
41	* not applicable to exempt EDBs				
12	10(ii): Class C Interruptions and Duration by Cause				
42 43	10(ii): Class C Interruptions and Duration by Cause				
43		CAIEI	SAIDI		
43 44	Cause	SAIFI	SAIDI		
43 44 45	Cause Lightning	0.07	1.3		
43 44 45 46	Cause Lightning Vegetation	0.07 0.57	1.3 191.4		
43 44 45 46 47	Cause Lightning Vegetation Adverse weather	0.07	1.3		
43 44 45 46	Cause Lightning Vegetation	0.07 0.57	1.3 191.4		
43 44 45 46 47 48	Cause Lightning Vegetation Adverse weather Adverse environment	0.07 0.57 0.30	1.3 191.4 101.0		
43 44 45 46 47 48 49	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference	0.07 0.57 0.30	1.3 191.4 101.0 16.4		
43 44 45 46 47 48 49 50	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife	0.07 0.57 0.30 0.13 0.10 0.04	1.3 191.4 101.0 16.4 9.1 0.8 65.8		
43 44 45 46 47 48 49 50 51	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error	0.07 0.57 0.30 0.13 0.10 0.04	1.3 191.4 101.0 16.4 9.1 0.8		
43 44 45 46 47 48 49 50 51 52	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment	0.07 0.57 0.30 0.13 0.10 0.04	1.3 191.4 101.0 16.4 9.1 0.8 65.8		
43 44 45 46 47 48 49 50 51 52	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown	0.07 0.57 0.30 0.13 0.10 0.04	1.3 191.4 101.0 16.4 9.1 0.8 65.8		
43 44 45 46 47 48 49 50 51 52 53	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment	0.07 0.57 0.30 0.13 0.10 0.04	1.3 191.4 101.0 16.4 9.1 0.8 65.8		
43 44 45 46 47 48 49 50 51 52 53	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown	0.07 0.57 0.30 0.13 0.10 0.04	1.3 191.4 101.0 16.4 9.1 0.8 65.8		
43 44 45 46 47 48 49 50 51 52 53	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 68	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 68 69	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 68	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 68 69	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 68 69 70	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 68 69 70	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 68 69 70	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9		
43 44 45 46 47 48 49 50 51 52 53 64 65 66 67 68 69 70 71 72 73	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9		
43 44 45 46 47 48 49 50 51 52 53 64 65 66 67 68 69 70 71 72 73 74	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9		
43 44 45 46 47 48 49 50 51 52 53 64 65 66 67 68 69 70 71 72 73 74 75	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Subtransmission other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission cables Subtransmission other Distribution lines (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6		
43 44 45 46 47 48 49 50 51 52 53 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Distribution cables (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02 0.62 1.13 0.08	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6 30.0 331.6 11.6		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Subtransmission other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission cables Subtransmission other Distribution lines (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02 0.62 1.13	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6 30.0 331.6		
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02 0.62 1.13 0.08	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6 30.0 331.6 11.6		
43 44 45 46 47 48 49 50 51 52 53 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Distribution cables (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02 0.62 1.13 0.08	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6 30.0 331.6 11.6		
43 44 45 46 47 48 49 50 51 52 53 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission lines Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02 0.62 1.13 0.08 0.38	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6 30.0 331.6 11.6 69.2	Fault rate (faults	
43 44 45 46 47 48 49 50 51 52 53 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission oables Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Toliv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Main equipment involved Subtransmission lines Subtransmission other Distribution other (excluding LV) Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02 0.62 1.13 0.08 0.38 Number of Faults	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6 30.0 331.6 11.6 69.2 Circuit length (km)	per 100km)	
43 44 45 46 47 48 49 50 51 52 53 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission lines Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02 0.62 1.13 0.08 0.38 Number of Faults 28	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6 30.0 331.6 11.6 69.2 Circuit length (km)	per 100km) 7.99	
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81 82	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission clables Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution clables (excluding LV) Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution other (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02 0.62 1.13 0.08 0.38 Number of Faults	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6 30.0 331.6 11.6 69.2 Circuit length (km)	per 100km)	
43 44 45 46 47 48 49 50 51 52 53 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81 82 83	Cause Lightning Vegetation Adverse weather Adverse environment Third party interference Wildlife Human error Defective equipment Cause unknown 10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission other Distribution other (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	0.07 0.57 0.30 0.13 0.10 0.04 0.69 0.73 SAIFI 0.06 0.03 0.09 SAIFI 0.41 0.02 0.62 1.13 0.08 0.38 Number of Faults 28 2	1.3 191.4 101.0 16.4 9.1 0.8 65.8 96.3 SAIDI 17.6 5.7 18.9 SAIDI 38.9 0.6 30.0 331.6 11.6 69.2 Circuit length (km)	per 100km) 7.99	

294