COMMERCE COMMISSION NEW ZEALAND	
	Disclosure Requirements
	tion Templates for edules 1–10
Company Name	Vector
Disclosure Date	31 August 2022
Disclosure Year (year ended)	31 March 2022
	hedules 1–10 excluding 5f–5g

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 21 December 2017). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

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

Worksheet Completion Sequence

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

1. Coversheet

- 2. Schedules 5a–5e
- 3. Schedules 6a–6b
- 4. Schedule 8
- 5. Schedule 3
- 6. Schedule 4
- 7. Schedule 2
- 8. Schedule 7
- 9. Schedules 9a–9e
- 10. Schedule 10

	Company Name	Vector	
	For Year Ended	31 March 2022	
SCHEDULE 1: ANALYTICAL RATIOS			

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

	ref		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		, section 2.0.
7	1(i): Expenditure metrics					
8		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	16,329	230	75,669	7,093	28,480
10	Network	6,574	93	30,466	2,856	11,467
11	Non-network	9,755	138	45,204	4,237	17,014
12						
13	Expenditure on assets	38,826	548	179,918	16,865	67,718
14	Network	36,163	510	167,579	15,708	63,073
15	Non-network	2,663	38	12,339	1,157	4,644
16	1/ii). Devenue metrice					
17	1(ii): Revenue metrics					
		Revenue per GWh	Revenue per			
		energy delivered to ICPs	average no. of ICPs			
18		(\$/GWh)	(\$/ICP)			
19	Total consumer line charge revenue	71,601	1,010	1		
20	Standard consumer line charge revenue	74,859	982			
21	Non-standard consumer line charge revenue	28,948	593,241			
22						
23	1(iii): Service intensity measures					
24						
25	Demand density	94	Maximum coinc	ident system deman	d per km of circuit l	ength (for supply) (kW/kr
26	Volume density	434	Total energy del	ivered to ICPs per kr	n of circuit length (f	or supply) (MWh/km)
27	Connection point density	31	-	r of ICPs per km of ci		
28	Energy intensity	14,112	Total energy del	ivered to ICPs per av	erage number of IC	Ps (kWh/ICP)
29	1/iv). Composition of regulatory income					
30 31	1(iv): Composition of regulatory income		(\$000)	% of revenue		
32	Operational expenditure		136,753	23.22%		
33	Pass-through and recoverable costs excluding financial incenti	ives and wash-ups	201,296	34.18%		
34	Total depreciation	and mush ups	133,873	22.73%		
35	Total revaluations		233,313	39.62%		
36	Regulatory tax allowance		36,039	6.12%		
37	Regulatory profit/(loss) including financial incentives and was	h-ups	311,064	52.83%		
38	Total regulatory income		588,845			
39						
40	1(v): Reliability					
41						
42	Interruption rate		18.26	Interruptions pe	r 100 circuit km	



m

	Сотра	any Name		Vector	
	For Ye	ear Ended	3	1 March 2022	
SCHE	DULE 2: REPORT ON RETURN ON INVESTMENT				
calculate must be EDBs mu	edule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Co e their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect t e provided in 2(iii). ust provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes). ormation is part of audited disclosure information (as defined in section 1.4 of the ID determination), an	o. If an EDB makes this	election, in	formation supportin	g this calculation
ref	2/i), Batum en Investment	CY	.2	CY-1	Current Year CY
7 8	2(i): Return on Investment	31 M		31 Mar 21	31 Mar 22
9	ROI – comparable to a post tax WACC	%		%	%
о	Reflecting all revenue earned		5.42%	3.34%	9.15%
1	Excluding revenue earned from financial incentives		5.53%	3.40%	9.10%
2	Excluding revenue earned from financial incentives and wash-ups		5.60%	3.40%	9.09%
3					
4	Mid-point estimate of post tax WACC		4.27%	3.72%	3.52%
5	25th percentile estimate		3.59%	3.04%	2.84%
6	75th percentile estimate		4.95%	4.40%	4.20%
7 8					
9	ROI – comparable to a vanilla WACC				
0	Reflecting all revenue earned		5.85%	3.67%	9.45%
1	Excluding revenue earned from financial incentives		5.95%	3.74%	9.40%
2	Excluding revenue earned from financial incentives and wash-ups		6.02%	3.74%	9.39%
3					
4	WACC rate used to set regulatory price path		7.19%	4.57%	4.57%
5					
6	Mid-point estimate of vanilla WACC		4.69%	4.05%	3.82%
7	25th percentile estimate		4.01%	3.37%	3.14%
8 9	75th percentile estimate		5.37%	4.73%	4.50%
	2(ii): Information Supporting the ROI			(\$000)	
2	Total opening RAB value	3	,385,969		
3	plus Opening deferred tax		(113,891)		
	Opening RIV		L	3,272,078	
5			_		
	Line charge revenue		L	599,637	
7		<u> </u>			
8	Expenses cash outflow add Assets commissioned		338,049		
9 0	add Assets commissioned less Asset disposals		171,903 16,301		
1	add Tax payments		19,189		
2	less Other regulated income		(10,792)		
	Mid-year net cash outflows			523,632	
4					
5 1	Term credit spread differential allowance			3,133	
6					
7	Total closing RAB value	3	,641,987		
8	less Adjustment resulting from asset allocation		976		
9	less Lost and found assets adjustment		-		
0	plus Closing deferred tax		(130,741)	2 540 270	
1 (2	Closing RIV		L	3,510,270	
2 3	ROI – comparable to a vanilla WACC			Г	9.45%
4				_	
-	Leverage (%)			Г	42%
				-	2.55%
	Cost of debt assumption (%)				
5 6					
5	Cost of debt assumption (%)				28%



				Company Name		Vector				
				For Year Ended		31 March 2022				
				For year Enaea		51 Widi Cli 2022				
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 re 61	f 2(iii): Information Supporting th	e Monthly ROI								
62										
63 64	Opening RIV						N/A			
65										
		Line charge	Expenses cash	Assets	Asset	Other regulated	Monthly net cash			
66		revenue	outflow	commissioned	disposals	income	outflows			
67 68	April May									
69	June									
70	July						-			
71	August						-			
72	September						-			
73	October						-			
74	November						-			
75	December						-			
76	January						-			
77 78	February March						-			
79	Total	-	-	-	-	-	-			
80							<u> </u>			
81	Tax payments						N/A			
82										
83	Term credit spread differential allow	wance					N/A			
84 85	Closing PIV						N/A			
86	Closing RIV						N/A			
87										
88	Monthly ROI – comparable to a vanilla	WACC					N/A			
89										
90	Monthly ROI – comparable to a post t	ax WACC					N/A			
91	2(iv): Year End BOI Dates for Co	n novien Durane								
92 93	2(iv): Year-End ROI Rates for Cor	nparison Purpos	es							
94	Year-end ROI – comparable to a vanill	a WACC					9.18%			
95										
96	Year-end ROI – comparable to a post t	ax WACC					8.88%			
97										
98	* these year-end ROI values are compa	rable to the ROI reporte	d in pre 2012 disclosures	by EDBs and do not re	epresent the Comm	ission's current view o	on ROI.			
99 100	2(v): Financial Incentives and Wa	ash-Ups								
100										
102	Net recoverable costs allowed under	incremental rolling ince	entive scheme			-				
103	Purchased assets – avoided transmis	sion charge					t i i i i i i i i i i i i i i i i i i i			
104	Energy efficiency and demand incen	tive allowance				-				
105	Quality incentive adjustment					(4,449)				
106 107	Other financial incentives Financial incentives					6,759	2,310			
107	Financial incentives						2,510			
109	Impact of financial incentives on ROI						0.05%			
110							•			
111	Input methodology claw-back						I			
112	CPP application recoverable costs									
113	Catastrophic event allowance					0.00				
114 115	Capex wash-up adjustment Transmission asset wash-up adjustm	ent				346				
115	2013–15 NPV wash-up allowance									
117	Reconsideration event allowance									
118	Other wash-ups									
119	Wash-up costs						346			
120	Impact of work we have been						0.010/			
121	Impact of wash-up costs on ROI						0.01%			

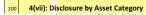


			Company Name	v	ector	
			For Year Ended	31 Ma	arch 2022	
sc	HEDU	LE 3: REPORT ON REGULATORY PROFIT				
		requires information on the calculation of regulatory profit for the EDB for the dis	closure year. All EDBs must	complete all sections an	d provide ex	planatory
		heir regulatory profit in Schedule 14 (Mandatory Explanatory Notes). on is part of audited disclosure information (as defined in section 1.4 of the ID de	tormination) and so is subj	act to the accurance rong	ort required l	vision 2.9
		on is part of addited disclosure mormation (as defined in section 1.4 of the fD de	termination), and so is subje	ect to the assurance repo	nt requireu t	by section 2.8.
ef						
	3(i): R	egulatory Profit				(\$000)
		Income				
		Line charge revenue				599,637
	plus	Gains / (losses) on asset disposals				(10,792)
	plus	Other regulated income (other than gains / (losses) on asset disposals)			L	-
		Total regulatory income				588,845
		Expenses				
	less	Operational expenditure				136,753
	less	Pass-through and recoverable costs excluding financial incentives and wash-up	s			201,296
		Operating surplus / (deficit)				250,796
						250,750
	less	Total depreciation				133,873
	plus	Total revaluations				233,313
		Regulatory profit / (loss) before tor			1	350.330
		Regulatory profit / (loss) before tax				350,236
	less	Term credit spread differential allowance				3,133
	less	Regulatory tax allowance				36,039
		Development of the first state of the second s			1	311,064
		Regulatory profit/(loss) including financial incentives and wash-ups				311,064
	2(11)	and the sector of the sector o		6 . I.I	160	20)
		Pass-through and Recoverable Costs excluding Financial I	ncentives and was	n-Ups	(\$0	00)
		Pass through costs Rates			16,233	
		Commerce Act levies			1,869	
		Industry levies			1,850	
		CPP specified pass through costs			-	
		Recoverable costs excluding financial incentives and wash-ups		-		
		Electricity lines service charge payable to Transpower Transpower new investment contract charges			171,904 7,881	
		System operator services			-	
		Distributed generation allowance			1,034	
		Extended reserves allowance			-	
		Other recoverable costs excluding financial incentives and wash-ups			525	201,296
		Pass-through and recoverable costs excluding financial incentives and wash-ups				201,296
	3(iii).	Incremental Rolling Incentive Scheme			(\$0	00)
	3 (iii).	incremental Koning incentive Scheme			CY-1	СҮ
					Mar 21	31 Mar 22
		Allowed controllable opex			-	-
		Actual controllable opex			-	-
		Incremental change in year			ſ	_
						Previous years'
					ious years' remental	incremental change adjusted
					hange	for inflation
		CY-5 31 Mar 17				-
		CY-4 31 Mar 18			-	-
		CY-3 31 Mar 19 CY-2 31 Mar 20				_
		CY-1 31 Mar 21			-	-
		Net incremental rolling incentive scheme				-
					г	
		Net recoverable costs allowed under incremental rolling incentive scheme				-
	3(iv):	Merger and Acquisition Expenditure				
						(\$000)
		Merger and acquisition expenditure				-
		Provide commentary on the benefits of merger and acquisition expenditure to the section 2.7, in Schedule 14 (Mandatory Explanatory Notes)	he electricity distribution but	siness, including required	disclosures	in accordance with
	3(v): (Other Disclosures				
						(\$000)
		Self-insurance allowance				_



Commerce Commission Information Disclosure Template

				mpany Name or Year Ended		Vector 31 March 2022	
chedule requi	4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORW. ires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This inf	forms the ROI calculation in Schee					
must provide on 2.8.	explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is p	part of audited disclosure information	tion (as defined in section 1	.4 of the ID deter	mination), and so is	subject to the assura	nce report requir
4(i): Regu	ulatory Asset Base Value (Rolled Forward)	for year ended	RAB 31 Mar 18	RAB 31 Mar 19	RAB 31 Mar 20	RAB 31 Mar 21	RAB 31 Mar 22
To	tal opening RAB value	,	(\$000) 2,879,136	(\$000) 2,951,716	(\$000) 3,075,471	(\$000) 3,258,721	(\$000) 3,385,969
	tal depreciation		108,316	108,729	116,767	125,888	133,873
			· · · · ·				
	tal revaluations		31,561	44,091	77,539	49,372	233,313
plus Ass	sets commissioned		156,888	203,460	512,505	215,221	171,903
less As	set disposals		7,540	7,412	289,233	12,198	16,30
plus Los	st and found assets adjustment		-	-	-	-	-
plus Ad	justment resulting from asset allocation		(13)	(7,655)	(794)	741	976
Tot	tal closing RAB value		2,951,716	3,075,471	3,258,721	3,385,969	3,641,987
4/23). 11.00	allocated Regulatory Asset Base						
4(II): Una	niocated Regulatory Asset base			Unallocat		RAI	
	tal opening RAB value			(\$000)	(\$000) 3,403,311	(\$000)	(\$000) 3,385,969
	tal depreciation				137,473	. [133,873
	tal revaluations				234,444	. [233,313
plus F	Assets commissioned (other than below)			173,512	I	169,837	
4	Assets acquired from a regulated supplier Assets acquired from a related party			2,066		2,066	
	sets commissioned		_		175,578		171,903
4	Asset disposals (other than below)		F	18,615	[16,301	
4	Asset disposals to a regulated supplier Asset disposals to a related party		E				
Ass	set disposals				18,615	. L	16,301
plus Los	st and found assets adjustment				-	. L	-
plus Ad	justment resulting from asset allocation					L	976
	tal closing RAB value ocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services witho				3,657,245		3,641,98
	e represents the value of these assets after applying this cost allocation. Neither value includes works under constru		the allocation of costs to se	ervices provided b	ay the supplier that a	re not electricity dist	ribution services.
	e represents the value of these assets after applying this cost allocation. Neither value includes works under constru culation of Revaluation Rate and Revaluation of Assets		the allocation of costs to se	rvices provided b	y the supplier that a	re not electricity dist	
4(iii): Cal			the allocation of costs to se	rvices provided b	y the supplier that a	re not electricity dist	ribution services. 1,142 1,068
4(iii): Calo c	culation of Revaluation Rate and Revaluation of Assets		the allocation of costs to se	rvices provided b	y the supplier that a	re not electricity dist	1,142
4(iii): Calo c	culation of Revaluation Rate and Revaluation of Assets $^{\rm CPI_4}_{\rm CPI_4}$		the allocation of costs to se	Unallocat	ted RAB *	RAI	1,14; 1,068 6.93%
4(iii): Cala c c	culation of Revaluation Rate and Revaluation of Assets $^{\rm CPI_4}_{\rm CPI_4}$		the allocation of costs to se			Ē	1,147 1,068 6.93%
4(iii): Cal c c F	Culation of Revaluation Rate and Revaluation of Assets CPI ₄ CPI4 ⁻⁴ Revaluation rate (%)		the allocation of costs to se	Unallocat (\$000)	ted RAB *	RAI (\$000)	1,14; 1,068 6.93%
4(iii): Cal C C C F F F I I Less C	Culation of Revaluation Rate and Revaluation of Assets CPI ₄ CPI ₄ ⁻⁴ Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation		the allocation of costs to se	Unallocaa (\$000) 3,403,311	ted RAB * (\$000)	RAI (5000) 3,385,969	1,142 1,065 6.93% 3 (\$000)
4(iii): Cal C C C F F F I I Less C	culation of Revaluation Rate and Revaluation of Assets CPI ₄ * Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets		the allocation of costs to se	Unallocat (\$000) 3,403,311 20,120	ted RAB *	RAI (5000) 3,385,969 19,090	1,14; 1,068 6.93%
4(iii): Cale c F F I less C T T Tof	Culation of Revaluation Rate and Revaluation of Assets CPI ₄ CPI ₄ ⁻⁴ Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation		the allocation of costs to se	Unallocat (\$000) 3,403,311 20,120	ted RAB * (\$000)	RAI (5000) 3,385,969 19,090	1,142 1,065 6.93% 3 (\$000)
4(iii): Cale c F F I less C T T Tof	Culation of Revaluation Rate and Revaluation of Assets CPI ₄ CPI ₄ ⁻⁴ Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation tal revaluations		the allocation of costs to se	Unallocated (5000) 3,403,311 20,120 3,383,191 Unallocated	ted RAB * (\$000) 234,444 works under	RAI (5000) 3,385,969 19,090 3,366,879	1.143 1.066 6.93% 3 (\$000) 233,312
4(iii): Cala c c c F F Jess C T T T of 4(iv): Rol	culation of Revaluation Rate and Revaluation of Assets CPI_a CPI_a Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation tal revaluations Il Forward of Works Under Construction orks under construction—preceding disclosure year		the allocation of costs to se	Unallocated (\$000) 3,403,311 3,383,191 Unallocated constr	ted RAB * (\$000) 234,444 works under	RAI (\$000) 3,385,969 19,090 3,366,879 Allocated works un	1,142 1,663 6,93% 3 (\$000) 233,313 der construction
4(iii): Cali c c c c r r less c t tor 4(iv): Rol 4(iv): Rol 4(iv): Rol	culation of Revaluation Rate and Revaluation of Assets CPI_a CPI_		the allocation of costs to se	Unallocated (5000) 3,403,311 20,120 3,383,191 Unallocated	ted RAB * (\$000) 234,444 works under uction	RAI (5000) 3,385,969 19,090 3,366,879	1,142 1,663 6,93% 3 (\$000) 233,313 der construction
4(iii): Cale C C C C C C C C T T T T T T T T C	culation of Revaluation Rate and Revaluation of Assets CPI CPI Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation tal revaluations I Forward of Works Under Construction oks under construction—preceding disclosure year Capital expenditure		the allocation of costs to se	Unallocat (5000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014	ted RAB * (\$000) 234,444 works under uction	RAI (5000) 3,385,969 19,090 3,366,879 Allocated works un 184,026	1,141 1,060 6,93% 3 (\$000) 233,313 der construction 30,835
4(iii): Cali c c c c c c c r r tor tor tor tor tor tor tor tor tor	Culation of Revaluation Rate and Revaluation of Assets CPI ₄ CPI ₄ ** Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation tal revaluations Il Forward of Works Under Construction ords under construction—preceding disclosure year Capital expenditure Assets commissioned Adjustment resulting from asset allocation		the allocation of costs to se	Unallocat (5000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014	ted RAB * (\$000) 234,444 works under uction 31,026	RAI (5000) 3,385,969 19,090 3,366,879 Allocated works un 184,026	1,141 1,065 6,93% 3 (\$000) 233,312 der construction 30,835 42,955
4(iii): Cali c c c c c c c r r tor tor tor tor tor tor tor tor tor	culation of Revaluation Rate and Revaluation of Assets CPI ₄ CPI ₄ CPI ₄ Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation tal revaluations I Forward of Works Under Construction Ords under construction—preceding disclosure year Capital expenditure Sasets commissioned Adjustment resulting from asset allocation ords under construction - current disclosure year		the allocation of costs to se	Unallocat (5000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014	ted RAB * (\$000) 234,444 works under uction 31,026	RAI (5000) 3,385,969 19,090 3,366,879 Allocated works un 184,026	1,141 1,065 6,93% 3 (\$000) 233,312 der construction 30,835 42,955
4(iii): Cala c c c c c r r less c t ror t or t or t or t or t or t or t	culation of Revaluation Rate and Revaluation of Assets CPI ₄ CPI ₄ CPI ₄ Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation tal revaluations I Forward of Works Under Construction Ords under construction—preceding disclosure year Capital expenditure Sasets commissioned Adjustment resulting from asset allocation ords under construction - current disclosure year		the allocation of costs to se	Unallocat (5000) 3,403,311 3,383,191 Unallocated constr 189,014 175,578	ted RAB * (\$000) 234,444 works under vuction 31,026 44,462	RAI (5000) 3,385,969 19,090 3,366,879 Allocated works un 184,026	1,144 1,066 6,93W 3 (\$000) 233,313 der construction 30,839 42,955 3,699
4(iii): Cala c F F Iess C T T T of 4(iv): Rol Iess F Iess F Ies F Iess F	Culation of Revaluation Rate and Revaluation of Assets CPI, cpr, a Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation It forward of Works Under Construction oris under construction—preceding disclosure year Capital expenditure Sastes commissioned Adjustment resulture from asset allocation oris under construction - current disclosure year Highest rate of capitalised finance applied ulatory Depreciation		the allocation of costs to se	Unallocated (5000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (5000)	ted RAB * (\$000) 234,444 works under vuction 31,026 44,462	RAI (5000) 3,385,969 3,366,879 3,366,879 Allocated works an 184,026 171,903	1,144 1,066 6,93W 3 (\$000) 233,313 der construction 30,839 42,955 3,699
4(iii): Cali c c c c c c r r t rot 4(iv): Rol 4(iv): Rol less 4 k k s k k s k k c k c c c c c c c c c c	culation of Revaluation Rate and Revaluation of Assets		the allocation of costs to se	Unallocat (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocat	ted RAB * (\$000) (\$000) 234,444 works under uction 31,026 44,462 ted RAB *	Allocated works un 18,000 3,385,969 3,366,879 Allocated works un 184,026 171,903 171,905 171,9	1,141 1,065 6,93% 3 (\$000) 233,313 der construction 30,835 42,955 3,659
4(iii): Cali c c c c c c r r t ess c t t ess c t t t ess c t t t ess c t t t ess c t t t ess c t t t ess c t t ess c t ess c ess c t ess c ess c	culation of Revaluation Rate and Revaluation of Assets		the allocation of costs to se	Unallocat (5000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (5000) 66,258	ted RAB * (\$000) (\$000) (\$000) (\$1,026)	RAI (\$000) 3,385,969 19,090 3,366,879 3,366,879 3,366,879 3,366,879 (\$000) 85,789	1,141 1,066 6,93% 3 (\$000) 233,313 der construction 30,833 42,956 3,069 3,699 3,699 3 (\$000)
4(iii): Cali c c c c c c r r t ess c t t ess c t ess c ess	culation of Revaluation Rate and Revaluation of Assets CPI, cpr,= Torlal opening RAB value Opening RAB value Opening RAB value subject to revaluation tal revaluation If Forward of Works Under Construction ofs under construction—preceding disclosure year Capital expenditure Sasets commissioned Adjustment resulting from asset allocation ofs under construction - current disclosure year Highest rate of capitalised finance applied culatory Depreciation Depreciation - standard Depr		the allocation of costs to se	Unallocat (5000) 3,403,311 20,120 3,383,191 3,383,191 Unallocated constr 189,014 175,578 Unallocated (5000) 66,258	ted RAB * (\$000) (\$000) 234,444 works under uction 31,026 44,462 ted RAB *	RAI (\$000) 3,385,969 19,090 3,366,879 3,366,879 3,366,879 3,366,879 (\$000) 85,789	1,141 1,066 6,93% 3 (\$000) 233,313 der construction 30,833 42,956 3,069 3,699 3,699 3 (\$000)
4(iii): Cala c F F less C T T T d (iv): Rol less F less T f f t T T T of F F T T T of F F F F F F F F F F F F F F F F F F	culation of Revaluation Rate and Revaluation of Assets			Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocate (\$000) 86,258 51,215	ted RAB * (\$000) (\$000) (\$000) (\$1,026)	RAI (\$00) 3,385,969 19,090 3,366,879 3,366,879 3,366,879 410,040 171,903 171,904 171,905 171,9	1,141 1,066 6,93% 3 (\$000) 233,313 der construction 30,833 42,956 3,069 3,699 3,699 3 (\$000)
4(iii): Cala c F F Jess C T T T G (iv): Rol Jess F Jess F T G G G G G G G G G G G G G G G G G G	cutation of Revaluation Rate and Revaluation of Assets CP ₁ Provide the second secon			Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocate (\$000) 86,258 51,215	ted RAB * (\$000) 234,444 234,444 2400 44,462 44,462 ted RAB * (\$000) 137,473 less otherwise spec	RAI (500) 3,385,969 3,366,879 3,366,879 3,366,879 48,026 171,903 114,026 171,903 85,789 48,08448,084 48,084 48,08448,084 48,084 48,08448,084 48,084 48,08448,084 48,084 48,08448,084 48,08448,084 48,084 48,08448,08448,084 48,08448,08448,08448,084 48,08	1,141 1,065 6,938 3 (\$000) 233,313 der construction 30,835 42,955 42,955 3 (\$000) 3 (\$000) 3 (\$000)
4(iii): Cala C F Iess C T Tof 4(iv): Rol Wa Plus C Iess F Iess F Ie	cutation of Revaluation Rate and Revaluation of Assets CP ₁ revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Materia of Morks Under Construction of sunder construction—preceding disclosure year Raylate appenditure Materia of capitalised finance applied Haltory Depreciation Puperecisition - standard Deprecisition - standard file assets Deprecisition - standard if assets Deprecisition - standard if assets Deprecisition - standard if assets	uction.		Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (\$000) 86,258 51,215	ted RAB * (\$000) 234,444 234,444 234,444 234,442 44,462 44,462 ted RAB * (\$000) 137,473 less otherwise spec	RAI (500) 3,385,969 3,366,879 3,366,879 3,366,879 Allocated works un 184,026 171,903 43,084 44,08444,084 44,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,08444,084 44,084 44,08444,08444,084,08444,084,08444,084,08444,084,08444,084,08444,084,08	1,143 1,065 6,935 3 (\$000) 233,315 der construction 30,835 42,955 42,955 42,955 3 (\$000) 3 (\$
4(iii): Cala C F Iess C T Tof 4(iv): Rol Wa Plus C Iess F Iess F Ie	cutation of Revaluation Rate and Revaluation of Assets CP ₁ Provide the second secon	uction.	and depreciation (text ent	Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (\$000) 86,258 51,215	ted RAB * (\$000) (\$000) (\$234,444 vorks under uction 31,026 44,462 ted RAB * (\$000) 137,473 less otherwise spec Depreciation	Allocated works un 19,090 3,385,969 3,366,879 Allocated works un 184,026 171,903 171,90 171,90 171,90 171,90 171,90 171,90 17	1,141 1,066 6,93% 3 (\$000) 233,313 der construction 30,83 42,951 3,083 42,951 3,083 (\$000) 133,873 133,873
4(iii): Cala C F F Iess C T T T (iv): Rol (iv): Rol (iv): Rol (iv): Reg (iv): Reg (iv)	cutation of Revaluation Rate and Revaluation of Assets CP ₁ revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Materia of Morks Under Construction of sunder construction—preceding disclosure year Raylate appenditure Mathematic subject revaluations ubstreme revaluations Protectation - current disclosure year ubstreme revaluations ubstreme revaluations ubstreme revaluations ubstreme revaluations ubstreme revaluation from asset allocation operication - standard Depreciation - standard Depreciation - standard Depreciation - standard if assets Depreciation - alternative depreciation in accordance with CPP tat depreciation <td>uction.</td> <td></td> <td>Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (\$000) 86,258 51,215</td> <td>ted RAB * (\$000) 234,444 234,444 234,444 234,442 44,462 44,462 ted RAB * (\$000) 137,473 less otherwise spec</td> <td>RAI (500) 3,385,969 3,366,879 3,366,879 3,366,879 Allocated works un 184,026 171,903 43,084 44,08444,084 44,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,08444,084 44,084 44,08444,08444,084,08444,084,08444,084,08444,084,08444,084,08444,084,08</td> <td>1,142 1,065 6,938 3 (\$000) 233,313 der construction 30,835 42,955 42,955 42,955 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000)</td>	uction.		Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (\$000) 86,258 51,215	ted RAB * (\$000) 234,444 234,444 234,444 234,442 44,462 44,462 ted RAB * (\$000) 137,473 less otherwise spec	RAI (500) 3,385,969 3,366,879 3,366,879 3,366,879 Allocated works un 184,026 171,903 43,084 44,08444,084 44,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,08444,084 44,084 44,08444,08444,084,08444,084,08444,084,08444,084,08444,084,08444,084,08	1,142 1,065 6,938 3 (\$000) 233,313 der construction 30,835 42,955 42,955 42,955 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000)
4(iii): Cala C F F Iess C T T T (iv): Rol (iv): Rol (iv): Rol (iv): Reg (iv): Reg (iv)	cutation of Revaluation Rate and Revaluation of Assets CP ₁ revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Materia of Morks Under Construction of sunder construction—preceding disclosure year Raylate appenditure Mathematic subject revaluations ubstreme revaluations Protectation - current disclosure year ubstreme revaluations ubstreme revaluations ubstreme revaluations ubstreme revaluations ubstreme revaluation from asset allocation operication - standard Depreciation - standard Depreciation - standard Depreciation - standard if assets Depreciation - alternative depreciation in accordance with CPP tat depreciation <td>uction.</td> <td></td> <td>Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (\$000) 86,258 51,215</td> <td>ted RAB * (\$000) 234,444 234,444 234,444 234,442 44,462 44,462 ted RAB * (\$000) 137,473 less otherwise spec</td> <td>RAI (500) 3,385,969 3,366,879 3,366,879 3,366,879 Allocated works un 184,026 171,903 43,084 44,08444,084 44,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,08444,084 44,084 44,08444,08444,084,08444,084,08444,084,08444,084,08444,084,08444,084,08</td> <td>1,142 1,065 6,938 3 (\$000) 233,313 der construction 30,835 42,955 42,955 42,955 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000)</td>	uction.		Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (\$000) 86,258 51,215	ted RAB * (\$000) 234,444 234,444 234,444 234,442 44,462 44,462 ted RAB * (\$000) 137,473 less otherwise spec	RAI (500) 3,385,969 3,366,879 3,366,879 3,366,879 Allocated works un 184,026 171,903 43,084 44,08444,084 44,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,08444,084 44,084 44,08444,08444,084,08444,084,08444,084,08444,084,08444,084,08444,084,08	1,142 1,065 6,938 3 (\$000) 233,313 der construction 30,835 42,955 42,955 42,955 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000)
4(iii): Cala C F Iess C T Tor 4(iv): Rol Wa Plus C Iess F Iess F Ie	cutation of Revaluation Rate and Revaluation of Assets CP ₁ revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Tatal opening RAB value subject to revaluation Materia of Morks Under Construction of sunder construction—preceding disclosure year Raylate appenditure Mathematic subject revaluations ubstreme revaluations Protectation - current disclosure year ubstreme revaluations ubstreme revaluations ubstreme revaluations ubstreme revaluations ubstreme revaluation from asset allocation operication - standard Depreciation - standard Depreciation - standard Depreciation - standard if assets Depreciation - alternative depreciation in accordance with CPP tat depreciation <td>uction.</td> <td></td> <td>Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (\$000) 86,258 51,215</td> <td>ted RAB * (\$000) 234,444 234,444 234,444 234,442 44,462 44,462 ted RAB * (\$000) 137,473 less otherwise spec</td> <td>RAI (500) 3,385,969 3,366,879 3,366,879 3,366,879 Allocated works un 184,026 171,903 43,084 44,08444,084 44,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,08444,084 44,084 44,08444,08444,084,08444,084,08444,084,08444,084,08444,084,08444,084,08</td> <td>1,142 1,065 6,938 3 (\$000) 233,313 der construction 30,835 42,955 42,955 42,955 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000)</td>	uction.		Unallocate (\$000) 3,403,311 20,120 3,383,191 Unallocated constr 189,014 175,578 Unallocated (\$000) 86,258 51,215	ted RAB * (\$000) 234,444 234,444 234,444 234,442 44,462 44,462 ted RAB * (\$000) 137,473 less otherwise spec	RAI (500) 3,385,969 3,366,879 3,366,879 3,366,879 Allocated works un 184,026 171,903 43,084 44,08444,084 44,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,084 44,08444,084 44,08444,084 44,08444,084 44,084 44,08444,08444,084,08444,084,08444,084,08444,084,08444,084,08444,084,08	1,142 1,065 6,938 3 (\$000) 233,313 der construction 30,835 42,955 42,955 42,955 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000) 3 (\$000)





								ompany Name		Vector	
								For Year Ended		31 March 2022	
S	CHEDULE 4: REPORT ON VALUE OF THE R	REGULATORY A	ASSET BASE	ROLLED FOR	RWARD)						
Thi	s schedule requires information on the calculation of the Regulato	ory Asset Base (RAB) val	lue to the end of thi	s disclosure year. Th	is informs the ROI	calculation in Sched	ule 2.				
ED	Bs must provide explanatory comment on the value of their RAB in	n Schedule 14 (Mandate	ory Explanatory Not	es). This informatio	n is part of audited	disclosure informati	on (as defined in section	1.4 of the ID deter	mination), and so is	subject to the assura	nce report requir
sec	tion 2.8.										
n ref											
01						(\$000 unless ot	herwise specified)				
							Distribution				
		Subtransmission	Subtransmission			Distribution and	substations and	Distribution	Other network	Non-network	
02		lines	cables	Zone substations	LV lines	LV cables	transformers	switchgear	assets	assets	Total
3	Total opening RAB value	73,571	359,436	315,966	410,861	808,850	297,961	277,498	777,622	64,204	3,385,96
4	less Total depreciation	2,079	11,485	12,416	11,719	27,687	10,242	11,251	27,446	19,548	133,87
15	plus Total revaluations	5,093	24,899	21,811	28,295	55,907	20,501	18,986	53,904	3,917	233,31
6	plus Assets commissioned	61	1,270	28,716	32,515	10,584	7,360	34,134	41,377	15,886	171,90
7	less Asset disposals	68	38	1,030	2,333	1,418	2,009	3,483	492	5,430	16,30
8	plus Lost and found assets adjustment	-	-	-	-	-	-		-	-	-
9	plus Adjustment resulting from asset allocation	92	-	-	(590)	1,482	-	-	-	(8)	97
о	plus Asset category transfers		-	-	-	-	-		-	-	-
1	Total closing RAB value	76,670	374,082	353,047	457,029	847,718	313,571	315,884	844,965	59,021	3,641,98
2											
3	Asset Life										
4	Weighted average remaining asset life	40	44	31	44	36	33	28	39	6	(years)
15	Weighted average expected total asset life	59	66	42	58	60	45	36	47	11	(years)



		Company Name	Vector
		For Year Ended	31 March 2022
SC	HEDULE	5a: REPORT ON REGULATORY TAX ALLOWANCE	
prof	fit). EDBs mus information i	uires information on the calculation of the regulatory tax allowance. This information is used to calculate regula t provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Ex s part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to	planatory Notes).
Í			(4000)
7		egulatory Tax Allowance	(\$000)
8 9		Regulatory profit / (loss) before tax	350,236
10	plus	Income not included in regulatory profit / (loss) before tax but taxable	*
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	6,335 *
12		Amortisation of initial differences in asset values	31,757
13		Amortisation of revaluations	15,369
14			53,461
15			
16	less	Total revaluations	233,313
17		Income included in regulatory profit / (loss) before tax but not taxable	*
18		Discretionary discounts and customer rebates	
19		Expenditure or loss deductible but not in regulatory profit / (loss) before tax	3,974 *
20		Notional deductible interest	37,699
21			274,987
22 23		Regulatory taxable income	128,711
23			120,711
25	less	Utilised tax losses	-
26		Regulatory net taxable income	128,711
27			
28		Corporate tax rate (%)	28%
29		Regulatory tax allowance	36,039
30			
31	* Worl	ings to be provided in Schedule 14	
32	5a(ii): [Disclosure of Permanent Differences	
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Sch	hedule 5a(i).
34	5a(iii).	Amortisation of Initial Difference in Asset Values	(\$000)
35	5u(iii).		(1900)
36		Opening unamortised initial differences in asset values	889,201
37	less	Amortisation of initial differences in asset values	31,757
38	plus	Adjustment for unamortised initial differences in assets acquired	_
39	less	Adjustment for unamortised initial differences in assets disposed	5,022
40		Closing unamortised initial differences in asset values	852,422
41			
42		Opening weighted average remaining useful life of relevant assets (years)	28
43			



		Company Name	Vector
		For Year Ended	31 March 2022
SC	HEDULE	5a: REPORT ON REGULATORY TAX ALLOWANCE	
pro Thi	fit). EDBs mu s information	uires information on the calculation of the regulatory tax allowance. This information is used to calculate regulat st provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Exp is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to th	lanatory Notes).
sch re 44	Í	Amortisation of Revaluations	(\$000)
45 46		Opening sum of RAB values without revaluations	3,001,320
47			110.504
48		Adjusted depreciation	118,504
49 50		Total depreciation Amortisation of revaluations	133,873
50 51			15,369
52 53	5a(v):	Reconciliation of Tax Losses	(\$000)
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	(113,891)
61 62	pluc	Tay effect of adjusted depreciation	33,181
63	plus	Tax effect of adjusted depreciation	55,161
64	less	Tax effect of tax depreciation	39,205
65 66	plus	Tax effect of other temporary differences*	(1,985)
67	plus		(1,505)
68 69	less	Tax effect of amortisation of initial differences in asset values	8,892
70 71	plus	Deferred tax balance relating to assets acquired in the disclosure year	_
72 73	less	Deferred tax balance relating to assets disposed in the disclosure year	13
74 75	plus	Deferred tax cost allocation adjustment	64
76		Closing deferred tax	(130,741)
77			
78	5a(vii)	Disclosure of Temporary Differences	
79		In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedu differences).	ıle 5a(vi) (Tax effect of other temporary
80	E c (- Degulatory Tay Accet Reco Dell Converd	
81	Sa(vili	: Regulatory Tax Asset Base Roll-Forward	
82 83		Onening sum of regulatory tax asset values	(\$000)
		Opening sum of regulatory tax asset values	
84 87	less	Tax depreciation	140,018
85 86	plus	Regulatory tax asset value of assets commissioned	202,498
86 97	less	Regulatory tax asset value of asset disposals	4,819
87 。。	plus	Lost and found assets adjustment	- 1 202
88 89	plus	Adjustment resulting from asset allocation	1,203
89 90	plus	Other adjustments to the RAB tax value Closing sum of regulatory tax asset values	1,407,264
			2,,204



		Company Name	V	ector	
	For Year Ended 31 March 2022				
6.01			51100		
	HEDULE 5b: REPORT ON RELATED				
	schedule provides information on the valuation of relation	· · ·			
Inis	information is part of audited disclosure information (a	is defined in clause 1.4 of the ID determination), and	so is subject to the assura	ance report required by t	llause 2.8.
ch ref					
7	5b(i): Summary—Related Party Trans	actions		(\$000)	(\$000)
8	Total regulatory income			(, ,	
o 9					
9 10	Market value of asset disposals				
11	Warket value of asset disposals			I	
12	Service interruptions and emergencies			_	
13	Vegetation management			2,526	
14	Routine and corrective maintenance ar	nd inspection			
15	Asset replacement and renewal (opex)			_	
16	Network opex				2,526
17	Business support			-	
18	System operations and network support	't		11,419	
19	Operational expenditure				13,945
20	Consumer connection			69	
21	System growth			1,385	
22	Asset replacement and renewal (capex)		352	
23	Asset relocations			_	
24	Quality of supply			-	
25	Legislative and regulatory			-	
26	Other reliability, safety and environme	nt		112	
27	Expenditure on non-network assets				-
28	Expenditure on assets				1,918
29	Cost of financing				9
30	Value of capital contributions				
31	Value of vested assets				
32	Capital Expenditure				1,927
33	Total expenditure				15,872
34					
35	Other related party transactions				-
26	Eb(iii): Total Oney and Cancy Palated	Party Transactions			
36	5b(iii): Total Opex and Capex Related	Faily Hallsactions			
		Nature of anov or concy convice			Total value of
37	Name of related party	Nature of opex or capex service provided			transactions (\$000)
40	PowerSmart NZ Limited	Other reliability, safety and environment			112
41	Vector Communications Limited	Asset replacement and renewal (capex)			224
42	Vector Communications Limited	Consumer connection			69
43	Vector Communications Limited	System operations and network support			4,653
44	Tree Scape Limited	Vegetation management			2,526
AF	Trop Scope Limited	Asset replacement and renewal (caney)			120

 Vector Technology Services Limited
 System operations and network support

 Advanced Metering Services Limited
 System operations and network support

 Image: Construct of the system operation operatio

In accordance with clause 2.3.8(1) and (2) of the ID determination, a description showing the connection between Vector and the related parties with which it has had related party transactions in the disclosure year and the principal activities of the related party is disclosed below:

Asset replacement and renewal (capex)

System growth

System growth

Related party	Relationship	Principal activities	Amount (\$000) excluded cost of financing
Vector Communications Limited	a wholly owned subsidiary of Vector limited	Network communications and SCADA services	4,946
Tree Scape Limited	an associate in which Vector limited holds a 50% interest	Vegetation management services	2,654
PowerSmart NZ Limited	a wholly owned subsidiary of Vector limited	Energy solutions services	112
Advanced Metering Services Limited	a wholly owned subsidiary of Vector limited	Metering services	35
Vector Technology Services Limited	a wholly owned subsidiary of Vector limited	Digital and technology services	6,731
Vector Auckland Property Limited	a wholly owned subsidiary of Vector limited	Asset management services	44
Vector Northern Property Limited	a wholly owned subsidiary of Vector limited	Asset management services	1,341



128

1,341

6,731

15,863

35

44

Tree Scape Limited

Vector Auckland Property Limited

Vector Northern Property Limited

45

46

47

48

49

50 51 52

Company Name Vector 31 March 2022 For Year Ended

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

5c(i): Qualifying Debt (for public)

h ref

					Original tenor (in		Book value at	Book value at date of financial	Term Credit	Debt issue cost
1	o	Issuing party	Issue date	Pricing date	years)	Coupon rate (%)	issue date (NZD)	statements (NZD)	Spread Difference	readjustment
1		[]VCI	31-Jul-18	17-Jul-18	3	BKBM + []VCI				
1		[]VCI	31-Jul-18	17-Jul-18	3	BKBM + []VCI				
1		[]VCI	31-Jul-18	17-Jul-18	3	BKBM + []VCI				
1		[]VCI	16-Sep-19	24-Jul-19	3	BKBM + []VCI				
1	5	[]VCI	16-Sep-19	24-Jul-19	3	BKBM + []VCI				
1		[]VCI	16-Sep-19	24-Jul-19	3	BKBM + []VCI				
1	7	[]VCI	16-Sep-19	24-Jul-19	3	BKBM + []VCI				
1	8	[]VCI	16-Apr-20	15-Apr-20	3	BKBM + []VCI				
1	9	[]VCI	13-Jan-20	20-Dec-19	5	BKBM + []VCI				
2	D	[]VCI	2-Feb-21	26-Jan-21	3	BKBM + []VCI				
2	1	[]VCI	2-Feb-21	26-Jan-21	3	BKBM + []VCI				
2	2	[]VCI	2-Feb-21	26-Jan-21	3	BKBM + []VCI				
2	3	[]VCI	2-Feb-21	26-Jan-21	3	BKBM + []VCI				
2	4	[]VCI	2-Feb-21	26-Jan-21	3	BKBM + []VCI				
2		Subtotal of bank facilities- variable rate					510,000	508,513		
2					_					
2		Capital bonds – fixed rate	15-Jun-17	14-Jun-17	5	5.7	307,205	306,854	[]VCI	[]VCI
2		Whethere Is Decide Read water Mart 7	14 14-1 17	2 Mar 17	7	4.996	100,000		(I) (CI	(I) (C)
2		Wholesale Bonds- fixed rate Mar17 Wholesale Bonds- fixed rate Jun18	14-Mar-17 25-Jun-18	3-Mar-17	5.7	4.996			[]VCI []VCI	[]VCI
з		Wholesale Bonds- fixed rate Jun 18 Wholesale Bonds- fixed rate Oct20	6-Oct-20	21-Jun-18 1-Oct-20	6	1.575	140,000 170,000		[]VCI	[]VCI []VCI
з		Subtotal of wholesale bonds- variable rate	8-0ct-20	1-001-20	0	1.375	410,000	412,018	[]vci	[]vci
3		Subtotal of wholesale bonus- variable rate					410,000	412,018	[]vei	[]vci
9		Senior notes - 2020 USPP 12yr	12-Mar-20	4-Mar-20	12	[]VCI	573,888		[]VCI	[]VCI
1		Senior notes - 2020 USPP 15 yr	12-Mar-20	4-Mar-20	15	[]VCI	223,179		[]VCI	[]VCI
3		Senior notes - 2010 USPP 12yr	20-Dec-10	22-Sep-10	12	[]VCI	250,516		[]VCI	[]VCI
3		Senior notes - 2014 USPP 7yr	14-Oct-14	19-Jun-14	7	[]VCI	150,000		[]VCI	[]VCI
3		Senior notes - 2017 USPP 10yr	25-Oct-17	28-Sep-17	10	[]VCI	277,200		[]VCI	[]VCI
3		Senior notes - 2017 USPP 12yr	25-Oct-17	28-Sep-17	12	[]VCI	138,600		[]VCI	[]VCI
4		Subtotal of senior notes - USD fixed rate					1,613,383	1,595,125	[]VCI	[]VCI
4		Unsubordinated bond	27-May-19		6	3.45	250,000	240.004	(IVO)	City of
4			27-May-19	16-May-19	6	3.45	250,000	248,004	[]VCI	[]VCI
4		* include additional rows if needed						3,070,513	[]VCI	[]VCI
4		Attribution of Term Credit Spread Differential								
4										
4		Gross term credit spread differential			6,518					
4					0,510					
4		Total book value of interest bearing debt		3.070.513	ן					
5		Leverage		42%						
5		Average opening and closing RAB values		3,513,978						
5		Attribution Rate (%)			48%					
5										
5		Term credit spread differential allowance			3,133					



					Company Name		Vector	
					For Year Ended	:	31 March 2022	
S	CHEDULE 5d: REPORT ON COST ALLO	CATIONS						
	is schedule provides information on the allocation of operatio), including on the im	pact of any reclassif	ications.
Tr	is information is part of audited disclosure information (as def	fined in section 1.4 of the ID determination), and so is	s subject to the assura	nce report required b	y section 2.8.			
ch re	f							
7	5d(i): Operating Cost Allocations							
8					Value allocate	ed (\$000s)		
					-	Non-electricity		
9				Arm's length deduction	Electricity distribution services	distribution services	Total	OVABAA allocation increase (\$000s)
10	Service interruptions and emergencies							
11 12	Directly attributable Not directly attributable				14,382	1		
13	Total attributable to regulated service				14,382	_		
14	Vegetation management							
15	Directly attributable			r	5,677			
16 17	Not directly attributable Total attributable to regulated service				5,677	-		
18	Routine and corrective maintenance and	inspection						
19	Directly attributable				19,488			
20 21	Not directly attributable Total attributable to regulated service			-	- 19,488	-	-	
22	Asset replacement and renewal				15,400			
23	Directly attributable				15,512			
24 25	Not directly attributable Total attributable to regulated service				- 15,512	-	-	
25 26	System operations and network support				15,512			
27	Directly attributable				35,740			
28	Not directly attributable			-	5,638	729	6,367	
29 30	Total attributable to regulated service Business support				41,378			
30 31	Directly attributable				1,446			
32	Not directly attributable			-	38,870	20,328	59,198	
33 34	Total attributable to regulated service				40,316			
35	Operating costs directly attributable				92,245			
36	Operating costs not directly attributable			-	44,508	21,057	65,565	-
37 38	Operational expenditure				136,753			
50								
39	5d(ii): Other Cost Allocations							
40	Pass through and recoverable costs				(\$000)			
41	Pass through costs							
42	Directly attributable				19,952			
43 44	Not directly attributable Total attributable to regulated service				- 19,952			
44	Recoverable costs				15,552			
46	Directly attributable				181,344			
47	Not directly attributable				-			
48 49	Total attributable to regulated service				181,344			
50 51	5d(iii): Changes in Cost Allocations* †					(\$00	0)	
51 52	Change in cost allocation 1					(\$00 CY-1	O) Current Year (CY)	
53	Cost category				Original allocation			
54 55	Original allocator or line items New allocator or line items				New allocation Difference	_	_	
56	field director of fine fields							
57	Rationale for change							
58 59								
60						(\$00		
61	Change in cost allocation 2					CY-1	Current Year (CY)	
62 63	Cost category Original allocator or line items				Original allocation New allocation			
64	New allocator or line items				Difference	-	-	
65 65								
66 67	Rationale for change							
68								
69 70						(\$00		
70 71	Change in cost allocation 3 Cost category				Original allocation	CY-1	Current Year (CY)	
72	Original allocator or line items				New allocation			
73	New allocator or line items				Difference	-	-	
74 75	Rationale for change							
76	internation of ontrige							
77	*			in				
78 79	* a change in cost allocation must be completed for each a † include additional rows if needed	use unocator change that has occurred in the disclose	ire year. A movement	in an allocator metric	s not a change in alloca	or or component.		



			Company Name For Year Ended		Vector 31 March 2022]
T	CHEDULE 5e: REPORT ON ASSET ALLOO his schedule requires information on the allocation of asset val DBs must provide explanatory comment on their cost allocatio sclosure information (as defined in section 1.4 of the ID deterr	ues. This information supports the calculation of the R n in Schedule 14 (Mandatory Explanatory Notes), inclu	ding on the impact of a	ny changes in asset allo	cations. This information is part of audited	
sch re						
7	5e(i): Regulated Service Asset Values			Value allocated		
8 9				(\$000s) Electricity distribution services		
10 11	Subtransmission lines Directly attributable		1	75,017		
12	Not directly attributable			1,653		
13 14	Total attributable to regulated service Subtransmission cables		l	76,670		
15 16	Directly attributable Not directly attributable			374,082		
17	Total attributable to regulated service			374,082		
18 19	Zone substations Directly attributable		[353,047		
20 21	Not directly attributable Total attributable to regulated service			- 353,047		
22	Distribution and LV lines		L. L			
23 24	Directly attributable Not directly attributable			403,327 53,702		
25 26	Total attributable to regulated service Distribution and LV cables		l	457,029		
27	Directly attributable			828,336		
28 29	Not directly attributable Total attributable to regulated service			19,382 847,718		
30 31	Distribution substations and transformers Directly attributable		ſ	313,571		
32	Not directly attributable			-		
33 34	Total attributable to regulated service Distribution switchgear		l	313,571		
35 36	Directly attributable Not directly attributable			315,884		
37	Total attributable to regulated service		[315,884		
38 39	Other network assets Directly attributable			840,790		
40 41	Not directly attributable Total attributable to regulated service			4,175 844,965		
42	Non-network assets					
43 44	Directly attributable Not directly attributable			30,338 28,683		
45 46	Total attributable to regulated service		l	59,021		
47 48	Regulated service asset value directly attributable Regulated service asset value not directly attribut	able		3,534,392 107,595		
49 50	Total closing RAB value]	3,641,987		
51	5e(ii): Changes in Asset Allocations* †					
52					(\$000)	
53 54	Change in asset value allocation 1 Asset category			Original allocation	CY-1 Current Year (CY)]
55	Original allocator or line items New allocator or line items			New allocation		
56 57				Difference		4
58 59	Rationale for change					
60 61					(\$000)	
62 63	Change in asset value allocation 2 Asset category			Original allocation	CY-1 Current Year (CY)	
64	Original allocator or line items			New allocation		1
65 66	New allocator or line items			Difference		4
67 68	Rationale for change					
69 70					(\$000)	
71 72	Change in asset value allocation 3 Asset category			Original allocation	CY-1 Current Year (CY)]
73	Original allocator or line items			New allocation		
74 75	New allocator or line items			Difference	-	1
76	Rationale for change					
77 78						1
	Change in asset value allocation 4				CY-1 Current Year (CY)	
	Asset category Original allocator or line items			Original allocation New allocation		-
	New allocator or line items			Difference		1
	Rationale for change					
	Change in asset value allocation 5 Asset category			Original allocation	CY-1 Current Year (CY)	1
	Original allocator or line items New allocator or line items			New allocation Difference	_	1
				Difference		
	Rationale for change					
79 80	* a change in asset allocation must be completed for each † include additional rows if needed	allocator or component change that has occurred in th	he disclosure year. A m	ovement in an allocato	metric is not a change in allocator or comp	o
	·····					



	Company Name	Vector	
	For Year Ended	31 March 2	022
sc	HEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR		
	schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which	h capital contribution	s are received but
	Joing assets that are vested assets. Information on expenditure on assets much eductosure year, including any assets in respect of which		
	s must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).		
This	information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assuration	nce report required b	by section 2.8.
sch ref			
schilej			
7	6a(i): Expenditure on Assets	(\$000)	(\$000)
8	Consumer connection		125,989
9	System growth		29,449
10	Asset replacement and renewal		116,611
11	Asset relocations		20,035
12	Reliability, safety and environment:		1
13	Quality of supply	106 97	4
14 15	Legislative and regulatory Other reliability, safety and environment	10,569	-
16	Total reliability, safety and environment	10,505	10,772
17	Expenditure on network assets		302,856
18	Expenditure on non-network assets		22,299
19			
20	Expenditure on assets		325,155
21	plus Cost of financing		12
22	less Value of capital contributions		141,141
23	plus Value of vested assets		
24 25	Capital avranditura		184,026
25	Capital expenditure		184,020
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		9,251
29	Research and development		1,549
30	6a(iii): Consumer Connection	(4000)	(4000)
31 32	Consumer types defined by EDB* Service connection	(\$000) 24,902	(\$000)
33	Customer substations	38,975	1
34	Business subdivisions	3,017	-
35	Residential subdivisions	52,475	1
36	Capacity change	4,379	
	Street lighting	2,235	
	Easement costs	6	J
37	* include additional rows if needed		
38 39	Consumer connection expenditure		125,989
40	less Capital contributions funding consumer connection expenditure	127,811	1
41	Consumer connection less capital contributions		(1,822)
			Asset
42	6a(iv): System Growth and Asset Replacement and Renewal	Sustan Crowth	Replacement and Renewal
43 44		System Growth (\$000)	(\$000)
44 45	Subtransmission	13,412	16,685
46	Zone substations	5,377	20,518
47	Distribution and LV lines	778	42,778
48	Distribution and LV cables	5,393	9,057
49	Distribution substations and transformers	1,711	7,674
50	Distribution switchgear	240	12,984
51	Other network assets	2,538	6,915
52 53	System growth and asset replacement and renewal expenditure	29,449	116,611 204
53 54	less Capital contributions funding system growth and asset replacement and renewal System growth and asset replacement and renewal less capital contributions	28,668	116,407
55		20,000	110,407
56	6a(v): Asset Relocations		
57	Project or programme*	(\$000)	(\$000)
58			-
59			-
60			-
61 62		<u> </u>	-
62 63	* include additional rows if needed		1
63 64	All other projects or programmes - asset relocations	20,035	1
	Asset relocations expenditure		20,035
65			
65 66	less Capital contributions funding asset relocations	12,345	
		12,345	7,690

KPMG

	Company Name	Vector	
	For Year Ended	31 March 2022	
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 whic		ed, but
	ccluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must DBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).	exclude finance costs.	
	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	nce report required by section 2.	8.
sch re	ef		
68			
69	6a(vi): Quality of Supply		
70	Project or programme*	(\$000) (\$00	0)
71		(300) (300	,,
72			
73 74			
75			
76	* include additional rows if needed		
77	All other projects programmes - quality of supply	106	105
78 79	Quality of supply expenditure less Capital contributions funding quality of supply		106
80	Quality of supply less capital contributions		106
81	6a(vii): Legislative and Regulatory		
82	Project or programme*	(\$000) (\$00	0)
83			
84 85			
86			
87			
88 89	 include additional rows if needed All other projects or programmes - legislative and regulatory 	97	
90	Legislative and regulatory expenditure	57	97
91	less Capital contributions funding legislative and regulatory		
92	Legislative and regulatory less capital contributions		97
93	6a(viii): Other Reliability, Safety and Environment		
94	Project or programme*	(\$000) (\$000	D)
95 96			
97			
98			
99 100	* include additional rows if needed		
101	All other projects or programmes - other reliability, safety and environment	10,569	
102	Other reliability, safety and environment expenditure		10,569
103 104	less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions		10,569
105			
106	6a(ix): Non-Network Assets		
100	Routine expenditure		
108	Project or programme*	(\$000) (\$000	D)
109 110			
111			
112			
113 114	* include additional rows if needed		
115	All other projects or programmes - routine expenditure	3,304	
116	Routine expenditure		3,304
117	Atypical expenditure		
118 110	Project or programme*	(\$000) (\$00	3)
119 120			
121			
122			
123 124	* include additional rows if needed		
125	All other projects or programmes - atypical expenditure	18,995	
126	Atypical expenditure		18,995
127 128	Expenditure on non-network assets		22,299



	Company Name	Vect	tor
	For Year Ended	31 Marc	h 2022
	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 explana	tory comment on any	/ atypical
	operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional inform		
	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 rep	port required by section	on 2.8.
	h ref		
SC			
	7 6b(i): Operational Expenditure	(\$000)	(\$000)
	8 Service interruptions and emergencies	14,382	
	9 Vegetation management	5,677	
1	0 Routine and corrective maintenance and inspection	19,488	
1	1 Asset replacement and renewal	15,512	
1.	2 Network opex		55,059
1.	3 System operations and network support	41,378	
1	4 Business support	40,316	
1	5 Non-network opex	L	81,694
1	5	F	
1	7 Operational expenditure	L	136,753
1	6b(ii): Subcomponents of Operational Expenditure (where known)		
1		Г	
1		-	
2			
2.		-	2 600
2.		L	3,600
2.	Direct onning experior are by suppliers that arectly only the majority of their consumers		



Company Name	Vector
For Year Ended	31 March 2022
MPARISON OF FORECASTS TO ACTUAL EXPE	NDITUBE

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.

Target (\$000)	Actual (\$000)	% variance
602,98	0 599,637	(1%)
Forecast (\$000)	² Actual (\$000)	% variance
· · · ·		· · · · · ·
88,82 53,33		42% (45%)
106,86		9%
39,67		(49%)
33,07	20,033	(4370)
	106	_
	0 97	143%
28,64	-	(63%)
28,68	,	(62%)
317,37		(5%)
46,61		(52%)
363.99		(11%)
15,04	3 14,382	(4%)
6,59	0 5,677	(14%)
ion 19,16	6 19,488	2%
13,80	15,512	12%
54,60	5 55,059	1%
41,66	9 41,378	(1%)
40,28	9 40,316	0%
81,95	8 81,694	(0%)
136,56	3 136,753	0%
n Assets (where known)		
, reduction of energy losses	_	_
8,05	3 9,251	15%
-	1,549	-
		1
penditure (where known)		
, reduction of energy losses	_	-
	-	-
	-	-
3,55	4 3,600	1%
ure year disclosed under clause 2.4.3(3) of this detern	nination	
sclosed in accordance with clause 2.6.6 for the foreca s 11a and 11b)	st period starting at th	e beginning of the
		closed in accordance with clause 2.6.6 for the forecast period starting at th 11a and 11b)



LE 8: REPORT ON BILLE requires the billed quantities and ass				nformation is also required	on the number of ICPs that are included in each consumer group or price categor	y code, and the ene	rgy delivered to the	ese ICPs.			Network / Sub-	For Year Ended Network Name	3	31 March 20 Combined
: Billed Quantities by Price	• Component													
						Billed quantities by	price component							
					Price component	FIXD	AICO	24UC	OFPK	PEAK	САРУ	DAMD	DEXA	PWRF
Consumer group name or pri- category code	ce 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)	Unit charging basis (eg, days, kW of demand, KVA of capacity, etc.)	Day	kWh	kWh	kWh	kWh	kVA/Day	kVA/Day	kVA/Day	kVAr/Day
			1		r			1					·	
ARCL ARCS	residential residential	Standard Standard	44,344 32,400	247,125 301,881		16,199,073 11,836,645	247,124,936 301,881,481	-	-	-	-			
ARUL	residential	Standard	32,400	301,881 48,298		4,674,527	301,881,481	48,298,406	-	-				
ARUS	residential	Standard	12,610	67,092		4,581,487	-	67,092,327	-	-	-	-	-	-
ARHLC	residential	Standard	117,401	609,662		42,873,717	-	-	425,161,993	184,499,930	-	-	-	-
ARHSC	residential	Standard	59,452	652,976		21,708,181	-	-	458,778,832	194,196,851	-	-	-	-
ARHL	residential	Standard	21,058	85,849		7,675,112	-	-	60,139,081	25,710,372	-	-	-	-
ARHS ABSN	residential general	Standard Standard	7,861 28,739	73,195 491.058		2,858,252		- 491.057.905	51,624,736	21,570,633	-	-	_	
ABSU	general	Standard	28,739	491,058		26,379,567		491,057,905	-	-				
ABSH	general	Standard	8,349	172,676		3,034,983	-	-	123,578,216	49,097,603			_	
ALVN	low voltage	Standard	2,402	239,499		877,507	-	239,499,196	-	-	131,621,414	-	-	315,39
ALVT	low voltage	Standard	1,389	508,346		-	-	508,345,752	-	-	136,434,067	42,653,134	-	3,489,38
ATXN	transformer	Standard	170	22,069		62,297	-	22,068,727	-	-	14,224,125	-		13,92
ATXT	transformer	Standard Standard	977	1,109,601			-	1,109,600,878	-	-	261,974,141	87,865,978	-	3,605,969
AHVN	high voltage high voltage	Standard	7	561 420,180		2,555	-	561,257 420,180,162	-	_	517,935 68,769,615	31,553,221	47,860	3,72
WRCL	residential	Standard	32,459	185,530		11,864,737	185,530,269	-	_	_	-	-	-	-
WRCS	residential	Standard	26,805	265,365		9,799,427	265,364,697	-	-	-	-	-	-	-
WRUL	residential	Standard	7,552	39,594		2,770,879	-	39,593,715	-	-	-	-	-	-
WRUS	residential	Standard	10,525	76,199		3,830,678	-	76,199,160	-	-	-	-	-	-
WRHLC WRHSC	residential residential	Standard Standard	71,854 43,026	389,097 472,438		26,227,849	-	-	270,226,145 330,601,768	118,870,368 141,836,508	-	-	_	
WRHSC	residential	Standard	43,026	472,438 77,063		15,700,976	-	-	330,601,768 53,612,421	141,836,508 23,450,740			-	
WRHS	residential	Standard	8,812	94,170		3,207,021	-	-	65,875,704	28,294,673	-	-		-
WBSN	general	Standard	15,165	230,066		5,538,429	-	230,066,075	-	-	-	-	-	-
WBSU	general	Standard	724	10,454		16,988,928	-	10,454,366	-	-	-	-	-	-
WBSH	general	Standard	8,048	135,146		2,927,725	-	-	96,351,076	38,794,782	-	-		
WLVN	low voltage	Standard	940	118,829		343,315	-	118,829,191	-	-	50,821,558	-		262,00
WLVH	low voltage transformer	Standard Standard	254 136	123,231 33,742		92,622 49,352	-	123,230,579 33,742,131	-	_	25,031,073	9,585,436		649,421 166.33
WTXH	transformer	Standard	136	33,742 349,796		49,352	-	33,742,131 349,795,893	-	-	12,190,942 80,213,228	27,611,037		166,33
WHVN	high voltage	Standard	-	-				-	_	_	-	-		
WHVH	high voltage	Standard	25	112,397		9,125	-	112,396,670	-	-	15,646,050	7,733,019	4,594	155,34
NS	non-standard	Non-standard	29	594,306		10,585	-	-	-	-	_	-	-	27,80
			593,411	7,780,372]	258,200,197	999,901,383	4,018,199,494	1,935,949,972	826,322,460	797,444,148	207,001,825	52,454	11,207,96
			29			10,585		+,010,155,494	-	-		-	-	27,80
			593,440	8,374,678		258,210,782	999,901,383	4,018,199,494	1,935,949,972	826,322,460	797,444,148	207,001,825	52,454	11,235,766

		ND LINE CHARGE REVENUE													Company Name For Year Ended Network Name		Vector Ltd 31 March 202 Combined	2
	s and associated line charge revenue	es for each price category code used by the	EDB in its pricing schedules.	Information is also required o	on the number of ICPs that	t are inclu	ded in each consu	ner group or price category	y code, and the ener	rgy delivered to the	se ICPs.							
								Price component	FIXD	AICO	24UC	OFPK	PEAK	САРУ	DAMD	DEXA	PWRF	
			Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distrib line charg revenue	ge re	tal transmission e charge venue (if ailable)	Rate (eg, \$ per day, \$ per kWh, etc.)	Day	kWh	kWh	kWh	kWh	kVA/Day	kVA/Day	kVA/Day	kVAr/Day	Ac coli addi charg b com
100	11.01						10.000	r										ne
ARCL ARCS	residential	Standard Standard	\$24,803			7,711	\$7,092 \$8,664		\$2,440 \$12,958	\$22,363	-	-	-	-	-	-	-	-
ARUL	residential	Standard	\$27,299 \$5,375			8,635	\$8,664		\$12,958	\$14,341	\$4,671	-	-	-	-	-	-	-
ARUS	residential	Standard	\$5,375			6,279	\$1,686		\$704 \$5,016		\$4,671	_		-	-		-	-
ARHLC	residential	Standard	\$61,352			6,758	\$14,594		\$6,459	-	-	\$28,098	\$26,795	-	-	-	-	1
ARHSC	residential	Standard	\$54,218		\$3	8,857	\$15,361	-	\$23,765	-	-	\$10,598	\$19,855	-	-	-	-	
ARHL	residential	Standard	\$9,383		şi	6,833	\$2,550		\$1,156	-	-	\$3,974	\$4,253	-	-	-	-	
ARHS	residential	Standard	\$6,963		ş	4,823	\$2,140		\$3,129	-	-	\$1,193	\$2,641	-	-	-	-	
ABSN	general	Standard	\$37,889		\$2	0,751	\$17,138		\$11,503	-	\$26,386	-	-	-	-	-	-	
ABSU	general	Standard	\$2,564			2,227	\$337	-	\$2,120	-	\$444	-	-	-	-	-	-	
ABSH	general	Standard	\$12,189			7,319	\$4,870		\$3,323	-	-	\$2,855	\$6,011	-	-	-	-	_
ALVN	low voltage	Standard	\$21,233			6,898	\$4,335	-	\$1,648	-	\$13,663	-	-	\$5,830	-	-	\$92	
ALVT	low voltage transformer	Standard	\$26,620 \$1,971			8,823	\$7,797 \$399	-	\$115		\$6,433 \$1,235	-		\$6,043 \$617	\$13,122	-	\$1,022	
ATXT	transformer	Standard	\$1,971 \$52,614			6.552	\$16.062	·	\$115	-	\$1,235	-		\$11.367	\$26,483		\$1.056	
AHVN	high voltage	Standard	\$58			\$48	\$10,002	-	\$5	-	\$30	-	-	\$22	-	-	\$1,050	
AHVT	high voltage	Standard	\$17,588		\$1	1,820	\$5,768	-	-	-	\$5,026	-	-	\$2,894	\$9,222	\$44	\$402	
WRCL	residential	Standard	\$18,514		\$1	3,189	\$5,325		\$1,781	\$16,733	-	-	-	-	-	-	-	
WRCS	residential	Standard	\$23,256		\$1	5,640	\$7,616	-	\$10,692	\$12,564	-	-	-	-	-	-	-	
WRUL	residential	Standard	\$4,233		\$3	2,851	\$1,382		\$416	-	\$3,817	-	-	-	-	-	-	
WRUS	residential	Standard	\$8,261			5,602	\$2,659		\$4,180	-	\$4,081	-	-	-	-	-	-	
WRHLC	residential	Standard	\$38,941			9,538	\$9,403		\$3,938	-	-	\$17,798	\$17,205	-	-	-	-	
WRHSC	residential	Standard	\$39,195			7,976	\$11,219		\$17,131	-	-	\$7,611	\$14,453	-	-	-	-	-
WRHL	residential	Standard Standard	\$8,218 \$8,468			5,892 5,661	\$2,326 \$2,807		\$821 \$3,499	-	-	\$3,531 \$1,517	\$3,866 \$3,452	-	-	-	-	-
WBSN	general	Standard	\$8,468 \$18,364			0,335	\$2,807 \$8,029		\$6,043		\$12,321	\$1,517	əə,452	-	-			-
WBSU	general	Standard	\$1,629			1,424	\$205		\$1,360		\$269	_		_			_	1
WBSH	general	Standard	\$10,146			6,298	\$3,848		\$3,194	-	-	\$2,218	\$4,734	-	-	-	-	1
WLVN	low voltage	Standard	\$8,139			5,988	\$2,151		\$2,076	-	\$4,175	-	-	\$1,811	-	-	\$77	-
WLVH	low voltage	Standard	\$5,449			3,697	\$1,752		\$1,054	-	\$666	-	-	\$892	\$2,647	-	\$190	
WTXN	transformer	Standard	\$1,929			1,318	\$611		\$292	-	\$1,162	-	-	\$426	-	-	\$49	-
WTXH	transformer	Standard	\$13,669		\$1	8,622	\$5,047		\$1,195	-	\$1,856	-	-	\$2,802	\$7,473	-	\$343	<u> </u>
WHVN	high voltage	Standard	-			-	-		-	-	-	-	-	-	-	-	-	-
WHVH	high voltage non-standard	Standard Non-standard	\$3,282			1,868	\$1,414		\$99	-	\$574	-		\$531	\$2,030	\$3	\$45 \$222	
Add extra rows for ad	ditional consumer groups or price cate		\$17,204		\$1	0,125	\$7,079	L	\$16,982		-	-	_	-	-		\$222	<u> </u>
nuo extra rows for du		Standard consumer totals	\$582,433		\$40	5,494	\$176,939	[\$132,112	\$66,001	\$104,122	\$79,393	\$103,265	\$33,235	\$60,977	\$47	\$3,281	
		Non-standard consumer totals		-		0,125	\$7,079		\$16,982	-	-	-	-	-	-	-	\$222	
		Total for all consumers	\$599,637			5,619	\$184,018		\$149,094	\$66,001	\$104,122	\$79,393	\$103,265	\$33,235	\$60,977	\$47		
8(iii): Number of ICPs d Number of directly bi		43]			Check	ОК											

												Company Name For Year Ended		Vector Ltd 1 March 2022
											Network / Sub-			Southern
	associated line charge revenues for e			. Information is also require	d on the number of ICPs that are included in each consumer group or price cate	gory code, and the en	ergy delivered to t	hese ICPs.						
i): Billed Quantities by Pric	e Component													
						Billed quantities by	price component							
					Price componen	t FIXD	AICO	24UC	ОГРК	PEAK	САРУ	DAMD	DEXA	PWRF
Consumer group name or pr category code	ice 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)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Day	kWh	kWh	kWh	kWh	kVA/Day	kVA/Day	kVA/Day	kVAr/Day
			1											
ARCL	residential	Standard Standard	44,344	247,125		16,199,073	247,124,936	-	-		-	-	-	-
ARUI	residential	Standard	32,400	301,881 48,298		11,836,645 4,674,527	301,881,481	- 48.298.406	-		-	-	-	
ARUS	residential	Standard	12,757	48,298 67,092		4,674,527		48,298,406	-		-		_	
ARHLC	residential	Standard	117,401	609,662		42,873,717		-	425,161,993	184,499,930	_	_	-	
ABHSC	residential	Standard	59.452	652,976		21.708.181			458.778.832	194.196.851	-	_	_	
ARHL	residential	Standard	21,058	85,849		7,675,112	-	-	60,139,081	25,710,372	_	_	-	-
ARHS	residential	Standard	7,861	73,195		2,858,252	-	-	51,624,736	21,570,633	-	-	-	-
ABSN	general	Standard	28,739	491,058		10,507,741	-	491,057,905	-	-	-	-	-	-
ABSU	general	Standard	1,703	17,187		26,379,567	-	17,187,104	-	-	-	-	-	-
ABSH	general	Standard	8,349	172,676		3,034,983	-	-	123,578,216	49,097,603	-	-	-	-
ALVN	low voltage	Standard	2,402	239,499		877,507	-	239,499,196	-	-	131,621,414	-	-	315,395
ALVT	low voltage	Standard	1,389	508,346		-	-	508,345,752	-	-	136,434,067	42,653,134	-	3,489,382
ATXN	transformer	Standard	170	22,069		62,297	-	22,068,727	-	-	14,224,125	-	-	13,927
ATXT	transformer	Standard	977	1,109,601		-	-	1,109,600,878	-	-	261,974,141	87,865,978	-	3,605,969
AHVN	high voltage	Standard	7	561		2,555	-	561,257	-	-	517,935	-	-	3,722
AHVT	high voltage	Standard	148	420,180		-	-	420,180,162	-	-	68,769,615	31,553,221	47,860	1,371,716
NS	non-standard	Non-standard	25	490,732		9,125	-	-	-	-	-	-	-	14,253
Add extra rows for additional	consumer groups or price category co													
		Standard consumer totals	351,767	5,067,255		153,271,644	549,006,417	2,923,891,714	1,119,282,858	475,075,389	613,541,297	162,072,333	47,860	8,800,111
		Non-standard consumer totals	25	490,732		9,125	-	-	-	-	-	-	-	14,253
		Total for all consumers	351,792	5,557,987		153,280,769	549,006,417	2,923,891,714	1,119,282,858	475,075,389	613,541,297	162,072,333	47,860	8,814,364

													Network / Sub-	For Year Ended Network Name	3	31 March 202 Southern
LE 8: REPORT ON BILLEI requires the billed quantities and asso				. Information is also require	ed on the number of ICPs that are i	ncluded in each cor	nsumer group or price categ	ory code, and the e	nergy delivered to th	ese ICPs.				-		
: Line Charge Revenues (\$0	00) by Price Component															
								Line charge revenu	es (\$000) by price co	omponent						
							Price component	FIXD	AICO	24UC	OFPK	PEAK	CAPY	DAMD	DEXA	PWRF
Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)	Day	kWh	kWh	kWh	kWh	kVA/Day	kVA/Day	kVA/Day	kVAr/Day
							-									
ARCL	residential	Standard	\$24,803		\$17,711	\$7,092	-	\$2,440	\$22,363	-	-	-	-	-	-	-
ARCS	residential	Standard	\$27,299		\$18,635	\$8,664	-	\$12,958	\$14,341	-	-	-	-	-		-
ARUL	residential residential	Standard Standard	\$5,375		\$3,689	\$1,686	-	\$704	-	\$4,671	-	-	-	-	-	
ARHLC	residential	Standard	\$8,621 \$61,352		\$6,279 \$46,758	\$2,342 \$14,594		\$5,016 \$6,459	-	\$3,605	- \$28.098	\$26,795	-	-	-	
ARHSC	residential	Standard	\$54,218		\$38.857	\$15,361	-	\$23,765	-	-	\$10,598	\$19,855	-	-	-	
ARHI	residential	Standard	\$9,383		\$6,833	\$15,361 \$2,550		\$1,156	-	-	\$3,974	\$4,253	-	-	-	
ARHS	residential	Standard	\$6,963		\$4,823	\$2,140		\$3,129	_	-	\$1,193	\$2,641	-	_	-	-
ABSN	general	Standard	\$37,889		\$20,751	\$17,138		\$11,503	_	\$26,386	-	-	_	_	-	-
ABSU	general	Standard	\$2,564		\$2,227	\$337		\$2,120	-	\$444	-	-	-	-	-	-
ABSH	general	Standard	\$12,189		\$7,319	\$4,870	-	\$3,323	-	-	\$2,855	\$6,011	-	-	-	-
ALVN	low voltage	Standard	\$21,233		\$16,898	\$4,335	-	\$1,648	-	\$13,663	-	-	\$5,830	-	-	\$92
ALVT	low voltage	Standard	\$26,620		\$18,823	\$7,797	-	-	-	\$6,433	-	-	\$6,043	\$13,122	-	\$1,022
ATXN	transformer	Standard	\$1,971		\$1,572	\$399	-	\$115	-	\$1,235	-	-	\$617	-	-	\$4
ATXT	transformer	Standard	\$52,614		\$36,552	\$16,062	-	-	-	\$13,708	-	-	\$11,367	\$26,483	-	\$1,056
AHVN	high voltage	Standard	\$58		\$48	\$10		\$5	-	\$30	-	-	\$22	-	-	\$1
AHVT	high voltage	Standard	\$17,588		\$11,820	\$5,768		-	-	\$5,026	-	-	\$2,894	\$9,222	\$44	\$402
NS	non-standard	Non-standard	\$14,518		\$8,312	\$6,206	-	\$14,404	-	-	-	-	-	-	-	\$114
Add extra rows for additional con	sumer groups or price category code						-									
		Standard consumer totals	\$370,740		\$259,595	\$111,145		\$74,341	\$36,704	\$75,201	\$46,718	\$59,555	\$26,773	\$48,827	\$44	\$2,577
		Non-standard consumer totals	\$14,518 \$385,258	-	\$8,312 \$267,907	\$6,206 \$117,351		\$14,404 \$88,745	- \$36,704	- \$75,201	- \$46,718	- \$59,555	- \$26,773	- \$48,827	- \$44	\$114 \$2,691
		Total for all consumers	\$385,258	-	\$267,907	\$117,351	1	\$88,745	\$36,704	\$75,201	ş46,/18	\$59,555	\$2b,773	ə48,827	\$44	\$2,691
: Number of ICPs directly b	illed				Check	OK	1									
Number of directly billed ICPs at		33	1				1									

											For	Year Ended		31 March 202
											Network / Sub-Net	work Name		Northern
E 8: REPORT ON BILLEE equires the billed quantities and asso Billed Quantities by Price C	ciated line charge revenues for eac			. Information is also required	on the number of KPs that are included in each consumer group or price categ	ory code, and the er	nergy delivered to th	iese ICPs.						
						Billed quantities by	y price component							
					Price component	FIXD	AICO	24UC	ОГРК	PEAK	САРУ	DAMD	DEXA	PWRF
Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Day	kWh	kWh	kWh	kWh	kVA/Day	kVA/Day	kVA/Day	kVAr/Day
WRCL	residential	Standard	32.459	185.530		11.864.737	185,530,269	- 1	-		-			
WRCS	residential	Standard	26,805	265,365		9,799,427	265,364,697	-	-	-	-	-	-	_
WRUL	residential	Standard	7.552	39,594		2.770.879	203,304,037	39.593.715	-		_	_	_	
WRUS	residential	Standard	10,525	76,199		3,830,678	-	76,199,160	-	-	-	-	-	-
WRHLC	residential	Standard	71,854	389,097		26,227,849	-	-	270,226,145	118,870,368	-	-	-	-
WRHSC	residential	Standard	43,026	472,438		15,700,976	-	-	330,601,768	141,836,508	-	-	-	-
WRHL	residential	Standard	15,027	77,063		5,470,451	-	-	53,612,421	23,450,740	-	-	-	-
WRHS	residential	Standard	8,812	94,170		3,207,021	-	-	65,875,704	28,294,673	-	-	-	-
WBSN	general	Standard	15,165	230,066		5,538,429	-	230,066,075	-	-	-	-	-	-
WBSU	general	Standard	724	10,454		16,988,928	-	10,454,366	-	-	-	-	-	-
WBSH	general	Standard	8,048	135,146		2,927,725	-	-	96,351,076	38,794,782	-	-	-	-
WLVN	low voltage	Standard	940	118,829		343,315	-	118,829,191	-	-	50,821,558	-	-	262,005
WLVH	low voltage	Standard	254	123,231		92,622	-	123,230,579	-	-	25,031,073	9,585,436	-	649,420
WTXN	transformer	Standard	136	33,742		49,352	-	33,742,131	-	-	12,190,942	-	-	166,330
WTXH	transformer	Standard	292	349,796		107,039	-	349,795,893	-	-	80,213,228	27,611,037	-	1,174,756
WHVN	high voltage	Standard	-	-		-	-	-	-		-	-	-	
WHVH	high voltage	Standard	25	112,397		9,125	-	112,396,670	-	-	15,646,050	7,733,019	4,594	155,343
NS	non-standard	Non-standard	4	103,574		1,460	-	-	-		-	-	-	13,548
Add extra rows for additional cons	umer groups or price category code		241,644	2,713,117		104,928,553	450,894,966	1,094,307,780	816,667,114	351,247,071	183,902,851	44,929,492	4,594	2,407,854
		Standard consumer totals Non-standard consumer totals	241,644	2,/13,117		104,928,553	450,894,966	1,094,307,780	816,667,114	351,247,071	183,902,851	44,929,492	4,594	2,407,854
		non-stanuaru consumer totais	4	105,574		1,400	_	_	-	_	_	_	_	13,348

8: REPORT ON BILLEI	O QUANTITIES AND LI	NE CHARGE REVENU	ES										Network / Sub-	For Year Ended Network Name		31 March 202 Northern
quires the billed quantities and asso	ociated line charge revenues for ea	ch price category code used by th	e EDB in its pricing schedule	. Information is also require	d on the number of ICPs that are	included in each con	sumer group or price categ	ory code, and the e	nergy delivered to th	ese ICPs.						
ine Charge Revenues (\$0	00) by Price Component															
								Line charge revenue	ues (\$000) by price co	omponent						
							Price component	FIXD	AICO	24UC	OFPK	PEAK	САРУ	DAMD	DEXA	PWRF
Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)		kWh	kWh	kWh	kWh	kVA/Day	kVA/Day	kVA/Day	kVAr/Day
			r				1					1		1		
WRCL	residential	Standard	\$18,514		\$13,189	\$5,325		\$1,781	\$16,733	-	-	-	-	-	-	-
WRCS	residential	Standard	\$23,256		\$15,640	\$7,616	-	\$10,692	\$12,564	-	-	-	-	-	-	-
WRUL	residential residential	Standard	\$4,233		\$2,851	\$1,382	-	\$416	-	\$3,817	-	-	-	-	-	-
WRHLC	residential	Standard Standard	\$8,261 \$38,941		\$5,602	\$2,659 \$9,403	-	\$4,180 \$3.938	-	\$4,081	-	-	-	-	-	-
WRHSC	residential	Standard			\$29,538		-		-	-	\$17,798	\$17,205	-	-		-
WRHL	residential	Standard	\$39,195 \$8,218		\$27,976 \$5,892	\$11,219 \$2,326	-	\$17,131 \$821	-	-	\$7,611 \$3,531	\$14,453 \$3,866		-	_	-
WRHS	residential	Standard	\$8,468		\$5,661	\$2,807	-	\$3,499	_		\$1,517	\$3,452	_	_		_
WBSN	general	Standard	\$18,364		\$10,335	\$8,029	-	\$6,043	_	\$12,321	-	-	_	_	-	_
WBSU	general	Standard	\$1,629		\$1,424	\$205		\$1,360	-	\$269	-	-	-	-	-	-
WBSH	general	Standard	\$10,146		\$6,298	\$3,848		\$3,194	-	-	\$2,218	\$4,734	-	-	-	-
WLVN	low voltage	Standard	\$8,139		\$5,988	\$2,151		\$2,076	-	\$4,175	-	-	\$1,811	-	-	\$77
WLVH	low voltage	Standard	\$5,449		\$3,697	\$1,752		\$1,054	-	\$666	-	-	\$892	\$2,647	-	\$190
WTXN	transformer	Standard	\$1,929		\$1,318	\$611		\$292	-	\$1,162	-	-	\$426	-	-	\$49
WTXH	transformer	Standard	\$13,669		\$8,622	\$5,047		\$1,195	-	\$1,856	-	-	\$2,802	\$7,473	-	\$343
WHVN	high voltage	Standard	-		-	-		-	-	-	-	-	-	-	-	-
WHVH	high voltage	Standard	\$3,282		\$1,868	\$1,414		\$99		\$574	-	-	\$531	\$2,030	\$3	\$45
NS	non-standard	Non-standard	\$2,686		\$1,813	\$873		\$2,578	-	-	-	-	-	-	-	\$108
Add extra rows for additional con	sumer groups or price category code						1									
		Standard consumer totals		-	\$145,899	\$65,794		\$57,771	\$29,297	\$28,921	\$32,675	\$43,710	\$6,462	\$12,150	\$3	\$704
		Non-standard consumer totals		-	\$1,813 \$147,712	\$873 \$66.667		\$2,578 \$60,349	- \$29,297	- \$28.921	-	- \$43.710	-	- \$12.150	-	\$108 \$812
		Total for all consumers	\$214,379	-	\$147,712	\$66,667	1	\$60,349	\$29,297	\$28,921	\$32,675	\$43,710	\$6,462	\$12,150	\$3	\$812
Number of ICPs directly b	illad				Check	OK	1									

	_	
	Company Name	Vector
	For Year Ended	31 March 2022
	Network / Sub-network Name	Combined
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.

					Itoms at start -f	Items at end of		Data accuracy
8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	118,014	118,699	685	3
10	All	Overhead Line	Wood poles	No.	5,714	5,382	-332	2
11	All	Overhead Line	Other pole types	No.	1,022	1,181	159	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	365	363	-2	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	27	27	0	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	376	376	0	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	147	146	-1	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	0	0	0	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	29	23	-6	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	31	31	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	0	0	0	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	0	0	0	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	12	12	0	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	104	104	0	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	7	7	0	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	20	22	2	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	2	2	0	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	0	0	0	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	184	174	-10	4
29	HV	Zone substation switchgear	33kV RMU	No.	7	6	-1	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	257	286	29	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	121	119	-2	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	1,478	1,500	22	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	0	0	0	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	219	222	3	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,738	3,719	-19	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	0	0	0	N/A
37	HV	Distribution Line	SWER conductor	km	0	0	0	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	1,623	1,686	63	4
39	HV	Distribution Cable	Distribution UG PILC	km	2,178	2,180	2	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.	301	336	35	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	314	352	38	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	10,848	11,619	771	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	3,186	3,087	-99	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	6,072	6,260	188	4
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,604	7,580	-24	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	14,721	14,917	196	4
48	HV	Distribution Transformer	Voltage regulators	No.	12	15	3	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	13,218	13,833	615	3
50	LV	LV Line	LV OH Conductor	km	4,154	4,128	-26	3
51	LV	LV Cable	LV UG Cable	km	6,439	6,565	126	4
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	479	474	-5	3
53	LV	Connections	OH/UG consumer service connections	No.	588,018	597,617	9,599	4
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	4,163	4,296	133	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	375	389	14	3
56	All	Capacitor Banks	Capacitors including controls	No	74	68	-6	4
57	All	Load Control	Centralised plant	Lot	32	32	0	3
58	All	Load Control	Relays	No	0	0	0	N/A
59	All	Civils	Cable Tunnels	km	10	10	0	3

Company Name	Vector
For Year Ended	31 March 2022
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.

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.	50,668	51,031	363	2
10	All	Overhead Line	Wood poles	No.	3,649	3,383	-266	2
11	All	Overhead Line	Other pole types	No.	442	499	57	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	48	48	0	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	0	0	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	230	229	-1	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	145	143	-1	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	0	0	0	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	28	22	-6	3
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	31	31	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	0	0	0	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	0	0	0	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	11	11	0	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	51	51	0	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	5	5	0	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	20	22	2	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	0	0	0	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	0	0	0	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	0	0	0	N/A
29	HV	Zone substation switchgear	33kV RMU	No.	0	0	0	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	131	154	23	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	2	0	-2	N/A
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	958	971	13	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	0	0	0	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	128	130	2	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	881	877	-4	2
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	0	0	0	N/A
37	HV	Distribution Line	SWER conductor	km	0	0	0	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	728	765	38	3
39	HV	Distribution Cable	Distribution UG PILC	km	1,562	1,574	12	3
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.	71	85	14	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	255	267	12	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2,532	2,702	170	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	2,406	2,253	-153	4
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	4,590	4,659	69	4
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	1,969	1,956	-13	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	7,134	7,223	89	4
48	HV	Distribution Transformer	Voltage regulators	No.	5	8	3	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	6,225	6,288	63	3
50	LV	LV Line	LV OH Conductor	km	1,926	1,914	-12	2
51	LV	LV Cable	LV UG Cable	km	3,880	3,928	48	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	264	265	1	2
53	LV	Connections	OH/UG consumer service connections	No.	349,020	353,478	4,458	4
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	2,175	2,265	90	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	204	205	1	3
56	All	Capacitor Banks	Capacitors including controls	No	13	9	-4	4
57	All	Load Control	Centralised plant	Lot	21	21	0	3
58	All	Load Control	Relays	No	0	0	0	N/A
59	All	Civils	Cable Tunnels	km	10	10	0	3

	Company Name	Vector
	For Year Ended	31 March 2022
	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.

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.	67,346	67,668	322	4
10	All	Overhead Line	Wood poles	No.	2,065	1,999	-66	3
11	All	Overhead Line	Other pole types	No.	580	682	102	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	317	315	-2	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	27	27	0	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	146	146	0	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	2	2	0	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	0	0	0	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	0	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	0	0	0	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	0	0	0	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	0	0	0	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.	53	53	0	3
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	2	0	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	0	0	0	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	2	2	0	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	0	0	0	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	184	174	-10	4
29	HV	Zone substation switchgear	33kV RMU	No.	7	6	-1	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	126	132	6	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	119	119	0	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	520	529	9	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	0	0	0	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	91	92	1	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,857	2,842	-15	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	0	0	0	N/A
37	HV	Distribution Line	SWER conductor	km	0	0	0	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	895	921	26	3
39	HV	Distribution Cable	Distribution UG PILC	km	616	606	-10	4
40	HV	Distribution Cable	Distribution Submarine Cable	km	7	6	0	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	230	251	21	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	59	85	26	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	8,316	8,917	601	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	780	834	54	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1,482	1,601	119	4
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,635	5,624	-11	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	7,587	7,694	107	4
48	HV	Distribution Transformer	Voltage regulators	No.	7	7	0	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	6,993	7,545	552	3
50	LV	LV Line	LV OH Conductor	km	2,228	2,214	-13	3
51	LV	LV Cable	LV UG Cable	km	2,559	2,637	78	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	215	209	-6	3
53	LV	Connections	OH/UG consumer service connections	No.	238,998	244,139	5,141	4
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,988	2,031	43	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	171	184	13	2
56	All	Capacitor Banks	Capacitors including controls	No	61	59	-2	4
57	All	Load Control	Centralised plant	Lot	11	11	0	4
58	All	Load Control	Relays	No	0	0	0	N/A
59	All	Civils	Cable Tunnels	km	0	0	0	N/A

																							ompany Name or Year Endea					Vector 31 March 20				
																					Netv		network Name					Combine	a			_
	CHEDU	E 9b: ASSET AGE PROFI	IF																					L								
			c (based on year of installation) of the assets that make up the netwo	ork, by asse	et category and as:	set class. All u	nits relating to cal	ble and line ass	ets, that are	expressed in	n km, refer to	circuit lengt	ths.																			
sch ref																																
8		Disclosure Year (year ended)	31 March 2022	J						Number	of assets at d	isclosure yea	ar end by ir	nstallation	n date															No. with Items at	No. with	
	Voltage	Asset category	Asset class	Units	1940 pre-1940 -194				1990 1999	2000	2001	2002 2	2003 2	2004	2005 2006	5 2007	2008	2009 2010	2011	2012	2013	2014	2015 2016	2017	2019 2019	2020	2021 2022	2023 2	024 2025		default Data acc dates (1-4	
10	All	Overhead Line	Concrete poles / steel structure	No	pre-1940 -194	275 4.648		4.915 14.98		590	736	906	738	304	1.038 1.8	878 2.105	2,130	2,108 1.62	1 1 1 59		1.923		1.873 2.59	3.456	4,783 4.02	2020		2025 2	124 2025	unknown (quantity) 12,320 118.699		3
11	All	Overhead Line	Wood poles	No.	S	8 108		441 55	2 741	169	48	67	72	30	64 1	116 112	83	61 11	1 14	26	31	24	15 1	4	19 2	15 47	7 88 37			1,907 5,382	2	2
12	All	Overhead Line	Other pole types	No.		1	1 0	3	5 10	3	2			1		1			1		5	10	18 4	7 175	264 13	36 205	5 156 85			49 1,181	3	3
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	2	2 24	4 72	154 7	0 1				1		1	6 2	1	16	1 7		0	0	2							0 363	4	4
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km			7	12								7				0										27	4	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km		0	0	19	7 54	56	1	21	6	1	5	7 34	7	25 2	0 4	10	7	3	16 1	5 13	6	3 5	5 25 5			1 376	4	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			39	71 2	4 7		0	0		0	1	1 1		0	0		0			c						146	4	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km					1										1							-				-		
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	3	3 (0 13	3	1 1						0		1													23		4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km					8			18			1		0		2		٥			-			1			31		4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			11		s 0	0					1	0			-					-						17	4	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km															-					-						-		
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km					1										1					1						-		
23	HV	Subtransmission Cable	Subtransmission submarine cable	km			0	1	1 0										1					1						12		4
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.		1 7	2 22	24 1	7 9	3	1		2			1 1	1	2	2 5	2		2	2	2		1 1	1 1			104		4
25	HV	Zone substation Buildings	Zone substations 110kV+	No.		-		2	4 1																	_				7		4
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.		-			9														11			_	2			22		4
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.		-			2																	_				2	4	4
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.		-																				_				-		
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.		31	1 73	38	8							1 2	8	2	2		1		1	4		1	2			174		4
30	HV	Zone substation switchgear	33kV RMU	No.			_	13 2	_				3		2	-	32	11				*	24 5	2 11	1					6	-	4
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.		-		15 2	2 9		10		1		9	6	32	11		6		æ	24 5	2 11		9 1:	13 7			286		4
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.			7 129	1/ 2	6 Z		5		1		1	1 2	/	19	5 b		1			2 00						119		4
33	HV HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	NO.		-	/ 129	100 25	5 101		10		•			10 33	91	08 3	9 34	54	42	33	32 7	95	37 4		00 2/			1,500		
34		Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.		-																								- 222		4
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.			4 3/	49 3	4 2/	4	1	2	1	1	~	1 3	3	6		5	1	2	-			2 4	5 2			17 3,719	4	
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0	4 13)	/ 50	969 1,54	6 285	94	10	ь	11	3	71	51 82	30	31 1		6	5		8		5	/ 19	8 6			1/ 3,719	4	<u> </u>
37	HV HV	Distribution Line	Distribution OH Aerial Cable Conductor SWER conductor	km		-																								-		
38	HV			кm					c 100	20	20	20		-		122 110		105 6			40						65 66			-		4
39	HV	Distribution Cable Distribution Cable	Distribution UG XLPE or PVC Distribution UG PILC	km	12	4 29	8 189	10 3 616 68		30	30	oc.		, 0	17	12 27	12	0		~1	42	70				a 33	0 0			4 1,686 1 2,180		4
	HV	Distribution Cable	Distribution UG PILC Distribution Submarine Cable	km	-4		c 0	1 00	1 10	34		-			**		15				U		-	1					-+-	1 2,180		4
42	HV	Distribution Cable	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionaliser	km No		-		1	14	3	4		2	-	3	7 31	68	38	4	6	10	1	2	3 3	2	12 33	67			226		4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor) - reclosers and sectionalisel 3.3/6.6/11/22kV CB (Indoor)	NO.		-	2	4	4	-	11		-	2	6	2 12	1	11	10	2	20		a 1	29			7 22 39		-+-	31 352		3
44	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor) 3.3/6.6/11/22kV Switches and fuses (pole mounted)	NC.	2	-	8 183	863 1.53	4 1,269	227	151	122	134	38	205 3	246 259	253	279 14	5 101	155	251	312	395 47	568	10		593 711			564 11.619		3
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	NC.	7		1 284	753 61	8 414	72	66	62	53	60	79	75 53	26	44 4	1 38	52	34	43	22 7	5 20	13 1	19 31	21 34			40 3.087		3
46	HV	Distribution switchgear	3.3/6.6/11/22kV SWICH (ground mounted) - except fillio 3.3/6.6/11/22kV RMU	NC.	4		2 192	690 1.05	5 577	76	63	75	138	118	140	92 87	68	47 8	4 104	121	160	118	174 19	5 243	299 33	22 373	3 296 347			6 6,260	4	4
47	HV	Distribution Transformer	Pole Mounted Transformer	NC.	8	27 113	3 213	529 1,14		240	104	156	131	10	213 2	207 309	244	273 20	8 116	201	160	194	195 17	2 207	251 26	50 239				3 7,580		4
48	HV	Distribution Transformer	Ground Mounted Transformer	NO.	6	33 120		1,770 2,12		266	262	235	198	20		450 540	336		9 315	256	324	376	347 29	372						14,917		4
49	HV	Distribution Transformer	Voltage regulators	No					3							2			1	3	2	1		1			2 1			15	4	4
50	HV	Distribution Substations	Ground Mounted Substation Housing	No	13	61 177	7 1,311	3,072 3,47	1 2,083	181	205	92	73	28	381	91 141	79	80 5	6 48	69	110	169	200 19	8 195	198 23	39 307	212 115			174 13.833		3
51	LV	LV Line	LV OH Conductor	km	1	3 111	1 523	1,007 1,75	0 153	118	6	6	11	3	16	26 55	15	16	9 11	11	10	9	10	9 16	27 2	19 43	31 23			69 4,128		3
52	LV	LV Cable	LV UG Cable	km	4	19 43	3 434	1,072 1,05	8 1,258	117	94	53	44	7	204 2	284 183	88	123 7	5 68	49	70	100	124 13	134	163 19	53 137	7 116 143			20 6,565	4	4
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	2	1 5	9 21	39 4	7 85	8	7	4	2	1	14	16 17	12	17	7 18	9	8	17	12 2	1 17	13 1	14 13	2 13 9			3 474	3	3
54	LV	Connections	OH/UG consumer service connections	No.	2	1 50	0 6 2	6,857 161,42	6 103,406	16,052	23,239	8,299	7,781	10,978	13,319 18,0	071 22,165	18,858	12,974 9,20	7 8,991	9,084	8,541	10,237	11,653 11,93	3 13,471	11,338 11,02	10,025	5 13,233 25,387			4 597,617	4	4
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.			3 116	411 27	5 197	32	16	15	8	11	47	88 87	187	275 18	7 136	46	253	63	175 16	7 221	94 20	204	326 216			231 4,296	3	3
56	All	SCADA and communications	SCADA and communications equipment operating as a single sy:	Lot				1	3					4	3	5 21	11	10 1	4 7	14	25	3	3 3	3 57	21 2	16 21	1 23 20			65 389	3	3
57	All	Capacitor Banks	Capacitors including controls	No					6	39			1			2			1		11			4			3 1			68	4	4
58	All	Load Control	Centralised plant	Lot			8	1	4 11						1	1	3										2			1 32	3	3
59	All	Load Control	Relays	No																										-		
60	All	Civils	Cable Tunnels	km						0		9			0						0									1 10	3	3
																	•		*	. 1				•								

																								mpany Name Ir Year Ended							ector arch 2022				
																						Networ	rk / Sub-ne	twork Name						So	uthern				
sc		E 9b: ASSET AGE PROF	II F																																
			(based on year of installation) of the assets that make up the network, b	by asset ca	category and asset class	. All unit	s relating to c	cable and li	ine assets, that are	e expressed in kr	n, refer to	circuit leng	ths.																						
-																																			
sch rej		Disclosure Year (year ended)	31 March 2022							Number o	f arrate at	direlorum	e year end i	hy installat	ion date																				
°		Disclosure real (year ended)	51 Match 2022							Number o	i assets at	cuisciosun	e year end i	oy instanat	aon date																		No. with	Items at N	o. with
							1960 1969	1970	1980 1990 -1989 -1999			2002	2003	2004				2009		2011		2013 20			2017	2018	2019	2020	2021	2022 202			age unknown		default Data accura dates (1–4)
10		Asset category Overhead Line	Asset class L Concrete poles / steel structure	Units p	pre-1940 -1949	-1959		-19/9	2.558 3.7		469	2002					1.651 1.5		1 158	2011			1.007	899 1.41		2018	2019	1.842	1.450	1.357	3 2024	2025	12.192	year 51.031	dates (1-4)
11		Overhead Line	Wood poles	No.			165	92	88 4	400 156	37	22	53	24	46	72	51	42 21	25	13	7	13	4	1	2 1	14	17	33	71	24			1,889	3.383	2
12	All	Overhead Line	Other pole types	No.																			2	7 2	5 145	172	48	33	11	13			42	499	3
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km				34					1					0 S		6			0	2									0	48	4
		Subtransmission Line	Subtransmission OH 110kV+ conductor	km																												_		0	
		Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km				0	2	32 48	1	20	S	0	1	1	15	1 3	17	0	9	S	2	14 1	3 9	2	1	4	23			'	1	229	4
		Subtransmission Cable Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			38	70	24	4	0	0		0	1	1	1	0	0			0			0							+'		143	4
		Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised) Subtransmission UG up to 66kV (PILC)	km	3 3	0	13	2	1									1						-	1							+		22	4
		Subtransmission Cable	Subtransmission UG up to 66kV (PILL) Subtransmission UG 110kV+ (XLPE)	km		0	*3	-	1	8		18			1			0		2		0		-	1			-	1			+		31	4
		Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			11		5	0 0					1	0																1		17	4
		Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																														0	
		Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km							T																					4		0	
		Subtransmission Cable	Subtransmission submarine cable	km					11	+																					_	'		11	4
		Zone substation Buildings	Zone substations up to 66kV	No.	1	2	11	15	7	4 3			1			1	1		1	2					1			1				<u> </u>		51	4
		Zone substation Buildings	Zone substations 110kV+ 50/66/110kV CB (Indoor)	No.				1	4																							+'		5	4
		Zone substation switchgear Zone substation switchgear	50/66/110kV CB (Indoor) 50/66/110kV CB (Outdoor)	NO.						2																						+		22	4
		Zone substation switchgear	33kV Switch (Ground Mounted)	No.																														0	-
		Zone substation switchgear	33kV Switch (Pole Mounted)	No.																												1		0	
		Zone substation switchgear	33kV RMU	No.																														0	
		Zone substation switchgear	22/33kV CB (Indoor)	No.				13	22	9	10						0	8 9			6		6	17 3	2 2				13			'		154	4
		Zone substation switchgear	22/33kV CB (Outdoor)	No.						+																					_	'		0	
		Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.			103	93	197	61 11	10					8	23	37 40	13	27	22	25	18	21 5	61	23	43	44	39	2		+'		971	4
		Zone substation switchgear Zone Substation Transformer	3.3/6.6/11/22kV CB (pole mounted) Zone Substation Transformers	No.			72	32	17	19 4						1		3	c	c	4		1	3			2	1	2	1	-	+'		130	4
		Distribution Line	Distribution OH Open Wire Conductor	km	0		0	64	603	34 86	2	4	9	1	6	6	12	11 5	4	3	3	1	1	0	2 2	0	2	3	3	2	-	+	9	877	3
		Distribution Line	Distribution OH Open wile Conductor	km							_		_	-																		1		0	
		Distribution Line	SWER conductor	km																														0	
		Distribution Cable	Distribution UG XLPE or PVC	km	0		2	13	13	18 7	17	14	14	3	68	54	64	31 31	32	38	24	25	45	28 3	4 30	31	39	28	34	29			1	765	4
		Distribution Cable	Distribution UG PILC	km	12 4	24	173	502	430 3	322 27	11	3	1	0	13	10	23	11 5	2	1		0	0			0		0	0	0		4	1	1,574	4
		Distribution Cable	Distribution Submarine Cable	km				1		1								-							-							4'		2	4
		Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionaliser	No.						1			1			6	12	12 3	2		2	1	1		1		5	12	25	2		+'	24	85 267	4
		Distribution switchgear Distribution switchgear	3.3/6.6/11/22kV CB (Indoor) 3.3/6.6/11/22kV Switches and fuses (pole mounted)	INO.	1		2	3	411 1	102 20	11	20	4	2	5	50	15	1 4	8	8	3	25	8	8 1:		4	117	33	175	14		+	31	267	3
		Distribution switchgear Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted) 3.3/6.6/11/22kV Switch (ground mounted) - except RMU	NO.	7		266	713	503 2	234 37	42	23	-40	34	44	42	31	14 24	16	25	30	14	20	13 1	9 9		13	18	15	105		+	10	2,702	4
		Distribution switchgear	3.3/6.6/11/22kV RMU	No.	4	2	191	689	965 4	414 46	41	49	93	75	103	64	54	42 34	38	73	63	123	79	104 11	7 127	160	216	258	213	216		1	6	4,659	4
		Distribution Transformer	Pole Mounted Transformer	No.			30	114	200 2	227 95	28	69	59		51	43	85	90 89	72	36	67	57	74	69 3	63	71	70	64	44	48			2	1,956	4
48	HV	Distribution Transformer	Ground Mounted Transformer	No.		2	73	984	1,384 1,3	280 125	146	107	100	1	160	183	269 1	57 117	92	110	122	178	185	159 12	5 151	158	201	256	194	203			_	7,223	4
		Distribution Transformer	Voltage regulators	No.						3											2								2	1		4'		8	4
		Distribution Substations	Ground Mounted Substation Housing	No.	2 1	2	167	1,409	2,124 1,0	_	95	49	41	20	145	48	83	38 41	22	18	36	48	66	72 5	5 29	55	97	116	65	34		'	136	6,288	3
		LV Line	LV OH Conductor	km	0		229	227	1,340	86 105	5	5	11	2	7	4	7	5 5	3	5	4	5	4	3	3	3	2	4	6	84		+'	47	1,913	3
		LV Cable LV Street lighting	LV UG Cable LV OH/UG Streetlight circuit	km	2 0	34	15	26	31	50 3	60 2	34	35	3	120	110	13	9 9	55 4	35	4	30	4	4 9	52	60	71	4	4	5		+	14	3,928 265	4
		Connections	OH/UG consumer service connections	No	2 1	1	3	5,494	129.214 29.4	408 12.936	18,937	5.098	4.201	7.001	8.818	13.357	15.817 12.4	99 7.651	5.091	4.637	4,999	4,589	5.201	5.845 6.02	6,805	5.721	6.103	5.728	8.227	14.069		+	4	353.478	4
		Protection	Protection relays (electromechanical, solid state and numeric)	No.			80	227	148 1	102 32	16	12	2	4	1	73		92 132	97	67	28	94	38	99 11		23	154	124	156	96		1	105	2,265	3
		SCADA and communications	SCADA and communications equipment operating as a single sys	Lot						1				4		s	9	6 9	7	4	8	12	3	3 2	1 34	11	12	13	8	8			27	205	3
	All	Capacitor Banks	Capacitors including controls	No						6 1														1					1					9	4
		Load Control	Centralised plant	Lot					2	11					1		1	3												2		4'	1	21	3
59		Load Control	Relays	No						+ +								+ +				-			+							+'		0	3
60	All	Civils	Cable Tunnels	km						0		9		_	0							0	_	_	I							<u> </u>	1	10	3

																						Company For Year	-						Vector March 2022			_
																				Ne	etwork / Su	b-network	k Name					N	lorthern			
DUI	LE 9b: ASSET AGE PROF	ILE																					Ľ									
		(based on year of installation) of the assets that make up the network, by	by asset cab	tegory and	d asset class. All u	units relating f	to cable and line	issets, that are	e expressed i	in km, refer t	to circuit leng	ths.																				
	Disclosure Year (year ended)	31 March 2022							Numb	her of arretr	at direlocure	waar and by	installation date																			
	Disclosure real (year ended)	31 Match 2022							Nome	ber of assets	acuisciosure	e year end by	installation date																	No. with Ite		
oltage	Asset category				1940 1950			980 1990						2006	2007	2008	2059 2		1 2012	2013	2014			2017 2018	2019	2020	2021	2022 20	023 2024 20		d of def	fault Da ates
itage	Asset category Overhead Line	Asset class U Concrete poles / steel structure	Units pr	re-1940	-1949 -1955	59 -1969			2000 2000 31	2001	2002	2003	2004 2005					470	300 3			2015	2016	1.673 2.		2020			23 2024 20		ear da	ates
	Overhead Line	Wood poles	No.	5	8	108 18	11 349	464	341	13 11	1 45	19	6	18 4	4 61	41	40	86	1 1	9 18	20	14	9	3	5	8 1	1 17	13		18	1 999	
	Overhead Line	Other pole types	No.			1	0 3	5	10	3	2		1		1				1	5	8	11	21	34	92 8	17.	2 145	72		7	682	
/	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	2	2	24 7	2 120	70	1			0		1	5 2	1	11	1	2	0			1	0						0	315	
/	Subtransmission Line	Subtransmission OH 110kV+ conductor	km			1	7 12								7					0			0								27	
(Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km			0	18	6	23	8 (0 1	1	1	4 1	5 19	7	22	2	3	1 3	1	2	3	4	4	2 :	1 1	6		0	146	
/	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km				1 1								0																2	
/	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			+	1		-		1			-	-					-					_	-	-				0	
/	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km				1	0	0										_	-					_						1	
/	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km			_								-						-					_	-					0	
/ /	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised) Subtransmission UG 110kV+ (Gas Pressurised)	km km			+-	1	-	-		1			-	1					1					-	-	1				0	
	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised) Subtransmission UG 110kV+ (PILC)	km																												0	
,	Subtransmission Cable	Subtransmission submarine cable	km			-	0	0	0													-									1	
v	Zone substation Buildings	Zone substations up to 66kV	No.			1	1 9	10	5		1	1				1	2	1	3	2	2	2	1			1	1				53	
/	Zone substation Buildings	Zone substations 110kV+	No.				1		1																						2	
/	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																												0	
/	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.						2																						2	
/	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																												0	
v	Zone substation switchgear	33kV Switch (Pole Mounted)	No.			31 77	3 38	8						1	1 2	8	2		2	1		1		4		1		2			174	
v	Zone substation switchgear	33kV RMU	No.			_						3		2											1						6	
v	Zone substation switchgear	22/33kV CB (Indoor)	No.			_				_		4		9	6	24	2			_	29	7	13	9	_	9 1	3	7			132	
v v	Zone substation switchgear Zone substation switchgear	22/33kV CB (Outdoor) 3.3/6.6/11/22kV CB (ground mounted)	No.			5 20	10 17	26	2		5	1		1	1 2	7	19	3	6	1			2	1				~			119 529	
,		3.3/6.6/11/22kV CB (ground mounted) 3.3/6.6/11/22kV CB (pole mounted)	No.			1 20	6 6/	56	40		b	ь		1 .	2 10	54	28	26	-	9 24	1/	11	21	38	14	1	21	4		_	529	
v	Zone substation switchgear Zone Substation Transformer	Zone Substation Transformers	NO.			3 1	4 17	17	8		1 1		1		3		6		3	1 1	1	4	1	3			3	1			02	
v	Distribution Line	Distribution OH Open Wire Conductor	km		4	137 529	905	743	250	8	8 2	2	2	15 4	5 70	19	26	7	5	3 4	6	8	5	5	4	5 1		4		8	2.842	
v	Distribution Line	Distribution OH Aerial Cable Conductor	km										-																		0	
v	Distribution Line	SWER conductor	km																												0	
v	Distribution Cable	Distribution UG XLPE or PVC	km	1	0	0 /	0 5	22	146	29 23	1 15	7	4	33 8	47	33	74	29	31 1	8 24	26	35	33	35	46 3	25 3:	1 32	37		3	921	
/	Distribution Cable	Distribution UG PILC	km	-		4 19	6 114	255	188	7	1 2	0		3	3 4	3	3	0	0	0 0	0	1	0		0	0	0	0		0	606	
v	Distribution Cable	Distribution Submarine Cable	km			6 (0		0																					o	6	
/	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionaliser	No.			_	1		13	3 4	4	1		3	1 19	56	35	2		4 9		2	3	2	1	17 2	5 42	10			251	
v	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.			_	1	2	-	_				1 :	1		7	1	2	1		1	7	13	6 1	11 4	4 2	25			85	
v	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1		8 180	10 000		167 1	48 113	2 92	94	38 1	30 19	5 184	4/4	239	114	70 9	8 136	173	295	366	446	343 38	90	440	548		350	8,917	
, ,	Distribution switchgear Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU 3.3/6.6/11/22kV RMU	No.			1 18	8 40	115	180	35 24	4 39	25	26	s 3	3 22		20	25	13 2	2 20	23	9	15	11	5	6 1 06 11	-	11		30	834 1.601	
, ,	Distribution switchgear Distribution Transformer	3.3/6.6/11/22kV RMU Pole Mounted Transformer	No.		27	113 183	1 1		163	30 23	2 26	45	43	37 21 57 16			13	46	31 4 80 13	8 37	39	70	122	115	139 10			131			1,601	
	Distribution Transformer	Ground Mounted Transformer	NO.	6	33	113 103		743	869 1/	41 11	6 128	98	19 4	13 76	7 271	179	104	187	205 13		120	128	133	221	311 2	57 21		276			7.694	
	Distribution Transformer	Voltage regulators	No.												2	275			1	1 2	1										7	-
	Distribution Substations	Ground Mounted Substation Housing	No.	11	60	175 1,144	14 1,663	1,347	991	99 110	0 43	32	8 2	36 4	3 58	41	39	34	30 3	3 62	103	128	143	170	143 14	42 19	147	81		38	7.545	
	LV Line	LV OH Conductor	km	0	3	111 521		409	67	13	2 1	0	2	10 2.	2 48	10	12	6	7	6 5	5	7	6	13	24	26 34		16		21	2,214	
	LV Cable	LV UG Cable	km	1	3	10 205	410	282	496	63 25	9 19	9	4	46 16	68	38	61	22	31 2	2 31	47	69	66	82	94 8	82 6	48	59			2,638	
	LV Street lighting	LV OH/UG Streetlight circuit	km		1	1 /	6 13	16	35	5	2 1	1	1	2 !	5 4	3	8	3	12	5 4	12	7	13	10	8	8	9	4		2	209	
	Connections	OH/UG consumer service connections	No.	-		49		32,212 73,	998 3,1	4,302	2 3,201	3,580	3,977 4,5	4,71	6,348	6,359		4,116 4	4,08	5 3,952	5,036	5,808	5,912	6,666 5,	517 4,92			11,318			14,139	
	Protection	Protection relays (electromechanical, solid state and numeric)	No.			3 3	16 184	127	95		3	6	7	46 1	5 61	95	143	90	69 1	8 159	25	76	49	102	71 5	55 8	170	120		126	2,031	
	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot			_			2					3	12	5	1	7	3	6 13			12	23	10 1	14 1	3 15	12		38	184	
	Capacitor Banks	Capacitors including controls	No			+-	1			38	1	1			2			1		11			3		_	-	2	1			59	
1	Load Control	Centralised plant	Lot				8 1	2	-						1					-							1				11	
11 11	Load Control	Relays	No			+-	+		_	+	+ +			+	+				_	+						+	+	⊢ <u> </u>			0	
	Civils	Cable Tunnels	km			_	1		-	-	1 1		-	-	1				-	-	<u> </u>				-	-	1				0	

	Company Name		Vector	
	For Year Ended		31 March 2022	
	Network / Sub-network Name		Combined	
	HEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES		combined	
	schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units re ircuit lengths.	lating to cable and	line assets, that are e	xpressed in km, r
10 11	i cuit iengtiis.			
ch ref				
schrej				
9				
			Underground	Total circuit
10	Circuit length by operating voltage (at year end)	Overhead (km)	(km)	length (km)
11	>66kV	27	49	7:
12	50kV & 66kV	-	-	
13	33kV	363	439	802
14	SWER (all SWER voltages)	-	-	
15	22kV (other than SWER)	2	168	17
16	6.6kV to 11kV (inclusive—other than SWER)	3,716	3,822	7,53
17	Low voltage (< 1kV)	4,128	6,565	10,693
18	Total circuit length (for supply)	8,236	11,044	19,28
19				
20	Dedicated street lighting circuit length (km)	17	457	474
21 22	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		L	4,66
		Circuit length	(% of total	
23	Overhead circuit length by terrain (at year end)	(km)	overhead length)	
24	Urban	4,691	57%	
25	Rural	3,545	43%	
26	Remote only		-	
27	Rugged only		-	
28	Remote and rugged		-	
29	Unallocated overhead lines		-	
30	Total overhead length	8,236	100%	
31		Circuit Israell		
32		Circuit length (km)	(% of total circuit length)	
32 33	Length of circuit within 10km of coastline or geothermal areas (where known)	(KIII) 19,229	99.7%	
55	Length of circuit within Tokin of Coastinie of Beothernia greas (where known)	,		
34		Circuit length (km)	(% of total overhead length)	
34 35	Overhead circuit requiring vegetation management	(KM) 8,236	100%	
55	Overneau circuit requiring vegetation management	0,230	100%	

	Company Name		Vector	
	For Year Ended		31 March 2022	
	Network / Sub-network Name		Southern	
60			Journerin	
	HEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
	schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units re rcuit lengths.	lating to cable and	line assets, that are e	xpressed in km, r
10 11	ruit lengths.			
sch ref				
senrej				
9				
			Underground	Total circuit
10	Circuit length by operating voltage (at year end)	Overhead (km)	(km)	length (km)
11	> 66kV	-	49	49
12	50kV & 66kV	-	-	
13	33kV	48	289	33
14	SWER (all SWER voltages)	-	-	
15	22kV (other than SWER)	2	168	170
16	6.6kV to 11kV (inclusive—other than SWER)	874	2,289	3,16
17	Low voltage (< 1kV)	1,914	3,928	5,842
18 19	Total circuit length (for supply)	2,838	6,723	9,560
20	Dedicated street lighting circuit length (km)	5	260	265
20	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)	5	200	2,48
22			L	2,40
		Circuit length	(% of total	
23	Overhead circuit length by terrain (at year end)	(km)	overhead length)	
24	Urban	2,377	84%	
25	Rural	461	16%	
26	Remote only		-	
27	Rugged only		-	
28	Remote and rugged		-	
29	Unallocated overhead lines		-	
30 31	Total overhead length	2,838	100%	
51		Circuit length	(% of total circuit	
32		(km)	length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	9,553	99.9%	
		Circuit length	(% of total	
34		(km)	overhead length)	
35	Overhead circuit requiring vegetation management	2,838	100%	
		2,000	100/0	

	Company Name		Vector	
	For Year Ended		31 March 2022	
	Network / Sub-network Name		Northern	
c	CHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
-				
	his schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units re o circuit lengths.	lating to cable and	line assets, that are e	expressed in km, re
10	o uncur ienguns.			
cch .	and the second			
sch r				
9				
,			Underground	Total circuit
10	Circuit length by operating voltage (at year end)	Overhead (km)	(km)	length (km)
11	> 66kV	27	-	27
12	50kV & 66kV	-	-	-
13	33kV	315	151	466
14	SWER (all SWER voltages)	-	-	-
15	22kV (other than SWER)	-	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	2,842	1,533	4,375
17	Low voltage (< 1kV)	2,214	2,637	4,851
18	Total circuit length (for supply)	5,398	4,321	9,719
19		10		
20	Dedicated street lighting circuit length (km)	12	197	209
21 22	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		L	2,175
22		Circuit length	(% of total	
23	Overhead circuit length by terrain (at year end)	(km)	overhead length)	
24	Urban	2,309	43%	
25	Rural	3,089	57%	
26	Remote only	-	-	
27	Rugged only	-	-	
28	Remote and rugged	-	-	
29	Unallocated overhead lines	-	-	
30	Total overhead length	5,398	100%	
31		Circuit Is worth	(%) of total sizes."	
32		Circuit length (km)	(% of total circuit length)	
32 33	Length of circuit within 10km of coastline or geothermal areas (where known)	9,676	99.55%	
55		,		
34		Circuit length (km)	(% of total overhead length)	
35	Overhead circuit requiring vegetation management	5,398	100%	
55	overheud en dur requiring vegetation management	5,558	100%	

		Company Name		ctor
		For Year Ended	31 M a	rch 2022
-	CHEDULE 9d: REPORT ON EMBEDDED NETWORKS is schedule requires information concerning embedded networks owned by an EDB that are embedded in another ef	EDB's network or in anothe	er embedded network	
8	Location *		Number of ICPs served	Line charge revenue (\$000)
9	None		-	-
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
	* Extend embedded distribution networks table as necessary to disclose each embedded network owned by t	he EDB which is embedded	in another EDB's netw	ork or in another
26	embedded network			

	Company Name	Vector
	For Year Ended	31 March 2022
	Network / Sub-network Name	Combined
S		combined
	is schedule requires a summary of the key measures of network utilisation for the disclosure year (number of r stributed generation, peak demand and electricity volumes conveyed).	lew connections including
	······································	
sch r	ef	
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	Residential	8,292
12	Commercial	5,145
13		
14 15		
16	* include additional rows if needed	
17	Connections total	13,437
18		
19	Distributed generation	
20	Number of connections made in year	1,117 connections
21	Capacity of distributed generation installed in year	7.4 MVA
22	9e(ii): System Demand	
23		
24		Demand at time
		of maximum
		coincident
25	Maximum coincident system demand	demand (MW)
26	GXP demand	1,792
27	plus Distributed generation output at HV and above	16
28	Maximum coincident system demand	1,807
29	less Net transfers to (from) other EDBs at HV and above	-
30	Demand on system for supply to consumers' connection points	1,807
31	Electricity volumes carried	Energy (GWh)
32	Electricity supplied from GXPs	8,604
33	less Electricity exports to GXPs	
34	plus Electricity supplied from distributed generation	134
35	less Net electricity supplied to (from) other EDBs	14
36	Electricity entering system for supply to consumers' connection points	8,724
37	less Total energy delivered to ICPs	8,375
38 39	Electricity losses (loss ratio)	349 4.0%
40	Load factor	0.55
41	9e(iii): Transformer Capacity	
42		(MVA)
43	Distribution transformer capacity (EDB owned)	4,802
44	Distribution transformer capacity (Non-EDB owned, estimated)	712
45	Total distribution transformer capacity	5,513
46	-	
47	Zone substation transformer capacity	4,650

	Company Name	Vector
	For Year Ended	31 March 2022
	Network / Sub-network Name	Southern
S	CHEDULE 9e: REPORT ON NETWORK DEMAND	
	s schedule requires a summary of the key measures of network utilisation for the disclosure year (number of r	new connections including
dis	tributed generation, peak demand and electricity volumes conveyed).	
sch re	zf	
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	Residential	5,122
12	Commercial	2,362
13		
14 15		
15 16	* include additional rows if needed	
17	Connections total	7,484
18		
19	Distributed generation	
20	Number of connections made in year	582 connections
21	Capacity of distributed generation installed in year	4.1 MVA
22	9e(ii): System Demand	
23		
24		
24		Demand at time
24		Demand at time of maximum
24		of maximum coincident
24	Maximum coincident system demand	of maximum
	Maximum coincident system demand GXP demand	of maximum coincident
25		of maximum coincident demand (MW)
25 26	GXP demand	of maximum coincident demand (MW) <u>1,138</u>
25 26 27 28 29	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above	of maximum coincident demand (MW) 1,138 0.2 1,138 -
25 26 27 28	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand	of maximum coincident demand (MW) 1,138 0.2
25 26 27 28 29	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points	of maximum coincident demand (MW) 1,138 0.2 1,138 - 1,138
25 26 27 28 29 30	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above	of maximum coincident demand (MW) 1,138 0.2 1,138
25 26 27 28 29 30 31	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried	of maximum coincident demand (MW) 1,138 0.2 1,138 - 1,138 Energy (GWh)
25 26 27 28 29 30 31 32	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation	of maximum coincident demand (MW) 1,138 0.2 1,138 - 1,138 Energy (GWh)
25 26 27 28 29 30 31 31 32 33	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs	of maximum coincident demand (MW)
25 26 27 28 29 30 31 32 33 34 35 36	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points	of maximum coincident demand (MW)
25 26 27 28 29 30 31 32 33 34 35 36 37	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs	of maximum coincident demand (MW) 1,138 0.2 1,138 1,138 Energy (GWh) 5,722 53 14 5,558
25 26 27 28 29 30 31 32 33 34 35 36	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points	of maximum coincident demand (MW)
25 26 27 28 29 30 31 32 33 34 35 36 37 38	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs	of maximum coincident demand (MW) 1,138 0.2 1,138
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor	of maximum coincident demand (MW) 1,138 0.2 1,138 1,138 Energy (GWh) 5,722 533 14 5,558 203 3.5%
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio)	of maximum coincident demand (MW) 1,138 0.2 1,138 1,138 Energy (GWh) 5,722 533 14 5,558 203 3.5%
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor	of maximum coincident demand (MW) 1,138 0.2 1,138 1,138 Energy (GWh) 5,722 533 14 5,558 203 3.5%
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Se(iii): Transformer Capacity Distribution transformer capacity (EDB owned)	of maximum coincident demand (MW) 1,138 0.2 1,138 - 1,138 Energy (GWh) 5,722 - 53 14 5,751 5,558 203 3.5% 0.58 (MVA) 3,017
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	of maximum coincident demand (MW) 1,138 0.2 1,138 1,138 1,
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Se(iii): Transformer Capacity Distribution transformer capacity (EDB owned)	of maximum coincident demand (MW) 1,138 0.2 1,138 - 1,138 Energy (GWh) 5,722 - 53 14 5,751 5,558 203 3.5% 0.58 (MVA) 3,017
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	of maximum coincident demand (MW) 1,138 0.2 1,138 1,138 1,

	Company Name	Vector
	For Year Ended	31 March 2022
	Network / Sub-network Name	Northern
S	CHEDULE 9e: REPORT ON NETWORK DEMAND	
	s schedule requires a summary of the key measures of network utilisation for the disclosure year (number of	new connections including
dis	tributed generation, peak demand and electricity volumes conveyed).	
sch re	र्श	
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	Residential	3,170
12	Commercial	2,783
13 14		
14 15		
16	* include additional rows if needed	
17	Connections total	5,953
18		
19	Distributed generation	
20	Number of connections made in year	535 connections
21	Capacity of distributed generation installed in year	3.3 MVA
22	9e(ii): System Demand	
23		
24		
		Demand at time
		Demand at time of maximum
		of maximum coincident
25	Maximum coincident system demand	of maximum
25 26	Maximum coincident system demand GXP demand	of maximum coincident
		of maximum coincident demand (MW)
26	GXP demand	of maximum coincident demand (MW) 716
26 27 28 29	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above	of maximum coincident demand (MW) 716 11 727 -
26 27 28	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand	of maximum coincident demand (MW) 716 11
26 27 28 29	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above	of maximum coincident demand (MW) 716 11 727 - 727
26 27 28 29 30	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points	of maximum coincident demand (MW) 716 11 727 -
26 27 28 29 30 31	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh)
26 27 28 29 30 31 32	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh)
26 27 28 29 30 31 32 33	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh) 2,882 - 81 -
26 27 28 29 30 31 32 33 34 35 36	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points	of maximum coincident demand (MW) 716 11 727 - 727 - 727 - Energy (GWh) 2,882 - - - 81 - - 2,963
26 27 28 29 30 31 32 33 34 35 36 37	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh) 2,882 -
26 27 28 29 30 31 32 33 34 35 36 37 38	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points	of maximum coincident demand (MW) 716 11 727 - 727 - 727 - 727 - - 727 - - 727 - - - -
26 27 28 29 30 31 32 33 34 35 36 37	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs	of maximum coincident demand (MW) 716 11 727 - 727 - 727 - 727 - - 727 - - 727 - - - 728 - - - - - - - - - - - - - - - - - - -
26 27 28 29 30 31 32 33 34 35 36 37 38 39	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh) 2,882 - 81 - 81 - 2,963 2,817 147 4.9%
26 27 28 29 30 31 32 33 34 35 36 37 38 39	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio)	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh) 2,882 - 81 - 81 - 2,963 2,817 147 4.9%
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points Electricity entering system for supply to consumers' connection points Load entry Electricity losses (loss ratio) Load factor Se(iii): Transformer Capacity	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh) 2,882 - 81 - 81 - 2,963 2,817 147 4.9%
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Se(iii): Transformer Capacity (EDB owned)	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh) 2,882 - 81 - 81 - 2,963 2,817 147 4.9% 0.47 (MVA) 1,785
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh) 2,882 - 81 2,882 - 81 2,963 2,817 147 4.9% 0.47 (MVA) 1,785 424
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Se(iii): Transformer Capacity (EDB owned)	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh) 2,882 - 81 - 81 - 2,963 2,817 147 4.9% 0.47 (MVA) 1,785
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	of maximum coincident demand (MW) 716 11 727 - 727 Energy (GWh) 2,882 - 81 2,882 - 81 2,963 2,817 147 4.9% 0.47 (MVA) 1,785 424

		Company Name	Vector
		For Year Ended	31 March 2022
		Network / Sub-network Name	Combined
SC	HEDULE 10: REPORT ON NETWORK RELIABILITY		
	schedule requires a summary of the key measures of network reliability (interruptions, S/		
	heir network reliability for the disclosure year in Schedule 14 (Explanatory notes to templa ection 1.4 of the ID determination), and so is subject to the assurance report required by s		audited disclosure information (as defined
ref			
8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
0	Class A (planned interruptions by Transpower)	12	
1	Class B (planned interruptions on the network)	1,497	
2	Class C (unplanned interruptions on the network)	2,010	
3	Class D (unplanned interruptions by Transpower)	1	
4 5	Class E (unplanned interruptions of EDB owned generation)		
6	Class F (unplanned interruptions of generation owned by others) Class G (unplanned interruptions caused by another disclosing entity)		
7	Class H (planned interruptions caused by another disclosing entity)		
8	Class I (interruptions caused by parties not included above)		
9	Total	3,520	
0 1	Interruption restoration	≤3Hrs	>3hrs
2	Class C interruptions restored within	927	1,083
3	class c interruptions restored within		
4	SAIFI and SAIDI by class	SAIFI	SAIDI
5	Class A (planned interruptions by Transpower)	0	0.1
6	Class B (planned interruptions on the network)	0.27	70.4
7	Class C (unplanned interruptions on the network)	1.29	151.4
8	Class D (unplanned interruptions by Transpower)	0	0.2
9 0	Class E (unplanned interruptions of EDB owned generation) Class F (unplanned interruptions of generation owned by others)		
1	Class G (unplanned interruptions caused by another disclosing entity)		
2	Class H (planned interruptions caused by another disclosing entity)		
3	Class I (interruptions caused by parties not included above)		
4	Total	1.56	222.1
5			
6	Normalised SAIFI and SAIDI	Normalised SAIFI Norm	alised SAIDI
7	Classes B & C (interruptions on the network)	1.56	178.4
8			
9	10(ii): Class C Interruptions and Duration by Cause		
0			
1	Cause	SAIFI	SAIDI
2	Lightning	0.01	1.9
3	Vegetation	0.32	60.3 0
4 5	Adverse weather Adverse environment	0	2.5
6	Third party interference	0.18	16.4
7	Wildlife	0.06	2.9
8	Human error	0.02	0.2
9	Defective equipment	0.45	42.9
0 1	Cause unknown	0.25	24.3
1			
2	10(iii): Class B Interruptions and Duration by Main Equipm	nent Involved	
3			
4	Main equipment involved	SAIFI	SAIDI
5 6	Subtransmission lines		
	Subtransmission cables Subtransmission other		
	Subtransmission other Distribution lines (excluding LV)	0.09	32.5
7			
7 8	Distribution cables (excluding LV)	0.01	1.9
7 8 9	· · · · · · · · · · · · · · · · · · ·		1.9 34.9
7 8 9 0	Distribution cables (excluding LV) Distribution other (excluding LV)	0.01 0.16	
7 8 9 0	Distribution cables (excluding LV)	0.01 0.16	
7 8 9 0 1 2	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm	0.01 0.16	34.9
7 8 9 0 1 2 3	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved	0.01 0.16 saifi	34.9 SAIDI
7 8 9 0 1 2 3 4	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines	0.01 0.16	34.9
7 8 9 0 1 2 3 3 4 5	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved	0.01 0.16 nent Involved SAIFI 0.19	34.9 SAIDI 4.9
7 8 9 0 1 2 3 4 5 6	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission cables	0.01 0.16 SAIFI 0.19 0.02 0.06 0.71	34.9 SAIDI 4.9 0.7 1.2 111.6
7 8 9 0 1 1 2 3 4 5 6 7 8	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV)	0.01 0.16 SAIFI 0.19 0.02 0.06 0.71 0.16	34.9 SAIDI 4.9 0.7 1.2 111.6 13.3
7 8 9 0 1 1 2 3 4 5 6 7 8	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV)	0.01 0.16 SAIFI 0.19 0.02 0.06 0.71	34.9 4.9 0.7 1.2 111.6
7 8 9 0 1 2 3 4 5 6 7 8 9	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV)	0.01 0.16 SAIFI 0.19 0.02 0.06 0.71 0.16	34.9 SAIDI 4.9 0.7 1.2 111.6 13.3
7 8 9 0 1 2 3 4 5 6 7 8 9 0	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	0.01 0.16 SAIFI 0.19 0.02 0.06 0.71 0.16	34.9 SAIDI 4.9 0.7 1.2 111.6 13.3 19.8 Fault rate (faults
7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV)	0.01 0.16 SAIFI 0.19 0.02 0.06 0.71 0.16 0.15	34.9 SAIDI 4.9 0.7 12 111.6 13.3 19.8 t length (km) Fault rate (faults
7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution ines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	0.01 0.16 Nent Involved SAIFI 0.19 0.02 0.06 0.71 0.16 0.15 0.15 Number of Faults Circuit 37 2	34.9 SAIDI 4.9 0.7 1.2 111.6 13.3 19.8 t length (km) 390 9.50
7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(v): Fault Rate Main equipment involved Subtransmission lines Subtransmission lines Subtransmission other	0.01 0.16 Number of Faults Circul 37 2 10 10 10 10 10 10 10 10 10 10	34.9 SAIDI 4.9 0.7 12 111.6 13.3 19.8 t length (km) 390 6.04
7890 123456789 00 12345	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) 10(v): Fault Rate Main equipment involved Subtransmission lines Subtransmission other Distribution nother Distribution ines (excluding LV)	0.01 0.16 Number of Faults Circut 37 2 10 1,420	34.9 SAIDI 4.9 0.7 1.2 111.6 13.3 19.8 t length (km) 390 604 3719 38.18
7 8 9 0 1 2 3	Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipm Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(v): Fault Rate Main equipment involved Subtransmission lines Subtransmission lines Subtransmission other	0.01 0.16 Number of Faults Circul 37 2 10 10 10 10 10 10 10 10 10 10	34.9 SAIDI 4.9 0.7 12 111.6 13.3 19.8 t length (km) 390 604



		Company Name	Vector
		For Year Ended	31 March 2022
		Network / Sub-network Name	Southern
	HEDULE 10: REPORT ON NETWORK RELIABILITY		FDD
	schedule requires a summary of the key measures of network reliability (interruptions, SA eir network reliability for the disclosure year in Schedule 14 (Explanatory notes to templa		
n seo	ction 1.4 of the ID determination), and so is subject to the assurance report required by s	ection 2.8.	
ref			
	10(i): Interruptions		
	10(i). Interruptions	Number of	
	Interruptions by class	interruptions	
	Class A (planned interruptions by Transpower)	828	
	Class B (planned interruptions on the network) Class C (unplanned interruptions on the network)	574	
	Class D (unplanned interruptions by Transpower)		
	Class E (unplanned interruptions of EDB owned generation)		
	Class F (unplanned interruptions of generation owned by others)		
	Class G (unplanned interruptions caused by another disclosing entity) Class H (planned interruptions caused by another disclosing entity)		
	Class I (interruptions caused by parties not included above)		
	Total	1,402	
	Interruption restoration Class C interruptions restored within	≤ 3Hrs 269	>3hrs 305
	class clinten uptions restored within	200	303
	SAIFI and SAIDI by class	SAIFI	SAIDI
	Class A (planned interruptions by Transpower)		
	Class B (planned interruptions on the network)	0.26	52.4
	Class C (unplanned interruptions on the network)	0.8	70.8
	Class D (unplanned interruptions by Transpower) Class E (unplanned interruptions of EDB owned generation)		
	Class F (unplanned interruptions of generation owned by others)		
	Class G (unplanned interruptions caused by another disclosing entity)		
	Class H (planned interruptions caused by another disclosing entity)		
	Class I (interruptions caused by parties not included above) Total	1.05	122.2
	lotai	1.06	123.2
	Normalised SAIFI and SAIDI	Normalised SAIFI Norm	alised SAIDI
	Classes B & C (Interruptions on the network)	1.06	123.1
	10(ii): Class C Interruptions and Duration by Cause		
	10(ii): Class C Interruptions and Duration by Cause		
	Cause	SAIFI	SAIDI
	Lightning	0.01	1.2
	Vegetation	0.15	18.2
	Adverse weather	0	0
	Adverse environment	0.01	3.8
	Third party interference Wildlife	0.05	2.4
	Human error	0	0
	Defective equipment	0.31	26.4
	Cause unknown	0.11	5.5
	10(iii): Class B Interruptions and Duration by Main Equipm	ent Involved	
	Main equipment involved	SAIFI	SAIDI
	Subtransmission lines		
	Subtransmission cables Subtransmission other		
	Distribution lines (excluding LV)	0.09	25.4
	Distribution cables (excluding LV)	0.02	2
	Distribution other (excluding LV)	0.15	24.5
	10(iv): Class C Interruptions and Duration by Main Equipm	ent Involved	
	zotivy, class c interruptions and Duration by Wall Equipm		
	Main equipment involved	SAIFI	SAIDI
	Subtransmission lines	0.04	0.7
	Subtransmission rables	0.03	1.2
	Subtransmission other	0.02	0.5
	Distribution lines (excluding LV)	0.38	36.5
	Distribution cables (excluding LV) Distribution other (excluding LV)	0.2	15 16.9
	10(v): Fault Rate	0.40	
	Main equipment involved	Number of Faults Circuit	Fault rate (faults ength (km) per 100km)
	Subtransmission lines	7	48 14.59
	Subtransmission cables	2	454 0.44
	Subtransmission other	3	
	Distribution lines (excluding LV) Distribution cables (excluding LV)	320	877 36.50 2,341 5.60
T	Distribution cables (excluding LV) Distribution other (excluding LV)	131	5.60
1			



		Company Name	Vector
		For Year Ended	31 March 2022
		Network / Sub-network Name	Northern
	HEDULE 10: REPORT ON NETWORK RELIABILITY		
	schedule requires a summary of the key measures of network reliability (interruptions, SA eir network reliability for the disclosure year in Schedule 14 (Explanatory notes to templa		
	ction 1.4 of the ID determination), and so is subject to the assurance report required by s		
ref			
3	10(i): Interruptions		
,	10(i). Interruptions	Number of	
,	Interruptions by class	interruptions	
2	Class A (planned interruptions by Transpower)	669	
2	Class B (planned interruptions on the network) Class C (unplanned interruptions on the network)	1,436	
8	Class D (unplanned interruptions by Transpower)	1	
ŧ	Class E (unplanned interruptions of EDB owned generation)		
5	Class F (unplanned interruptions of generation owned by others)		
7	Class G (unplanned interruptions caused by another disclosing entity) Class H (planned interruptions caused by another disclosing entity)		
3	Class I (interruptions caused by parties not included above)		
,	Total	2,118	
)			
!	Interruption restoration	≤3Hrs 658	>3hrs 778
2	Class C interruptions restored within	030	//0
,	SAIFI and SAIDI by class	SAIFI	SAIDI
5	Class A (planned interruptions by Transpower)	0	0.3
5	Class B (planned interruptions of the network)	0.29	96.7
7	Class C (unplanned interruptions on the network)	2.01	268.8
3	Class D (unplanned interruptions by Transpower)	0	0.5
9)	Class E (unplanned interruptions of EDB owned generation) Class F (unplanned interruptions of generation owned by others)		
2	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)		
1	Total	2.30	366.3
5			
7	Normalised SAIFI and SAIDI Classes B & C (Interruptions on the network)	Normalised SAIFI NORMALISE NOR	267.2
	classes b at c (interruptions on the network)	2.3	207.2
3			
,	10(ii): Class C Interruptions and Duration by Cause		
	6	CAITI	CAUDI
2	Cause	0.02	SAIDI
3	Lightning Vegetation	0.56	121.5
1	Adverse weather	0	0
5	Adverse environment	0	0.6
5	Third party interference	0.23	21.1
3	Wildlife Human error	0.07	3.6 0.5
,	Defective equipment	0.64	66.8
,	Cause unknown	0.44	51.6
!		·	
2	10(iii): Class B Interruptions and Duration by Main Equipm	ent Involved	
2	zotany. class o interruptions and ouration by Main Equipm	icht hivolved	
1	Main equipment involved	SAIFI	SAIDI
5	Subtransmission lines		
5	Subtransmission cables		
7	Subtransmission other		42.9
3	Distribution lines (excluding LV)	0.1	42.8
9)	Distribution cables (excluding LV) Distribution other (excluding LV)	0.17	50.1
		· · · · · · · ·	
!	10(iv): Class C Interruptions and Duration by Main Equipm	ent Involved	
?			
3	Main equipment involved	SAIFI	SAIDI
1	Subtransmission lines	0.4	0
5	Subtransmission cables Subtransmission other	0.13	2.2
7	Subtransmission other Distribution lines (excluding LV)	1.2	220.9
3	Distribution cables (excluding LV)	0.11	10.8
,	Distribution other (excluding LV)	0.17	23.9
	10(v): Fault Rate		
,		Number of Faults Circu	Fault rate (faults uit length (km) per 100km)
	Main equipment involved		
,	Main equipment involved Subtransmission lines	30	342 8.78
)		30 0	342 8.78 151 –
2	Subtransmission lines Subtransmission cables Subtransmission other	30 0 7	151 –
1 2 3 3 4 5	Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV)	30 0 7 1,100	151 – 2,842 38.70
2	Subtransmission lines Subtransmission cables Subtransmission other	30 0 7	151 –

