



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

<b>Company Name</b>	<input type="text" value="Vector"/>
<b>Disclosure Date</b>	<input type="text" value="13 August 2014"/>
<b>Disclosure Year (year ended)</b>	<input type="text" value="31 March 2014"/>

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

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### **Disclosure Template Guidelines for Information Entry**

These templates have been prepared for use by EDBs when making disclosures under subclauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Electricity Distribution Information Disclosure Determination 2012. Disclosures must be made available to the public within 5 months after the end of the disclosure year and a copy provided to the Commission within 5 working days of being disclosed to the public.

#### ***Version 3.0 templates***

These templates correct formula errors contained in previous versions of the templates. A list of the formula corrections can be found in the ID issues register under "Excel Template Issues - v2.X (2013)" in the category column. We have included additional guidance for schedules 2, 4 and 5a indicating where information for certain rows are expected to be sourced from.

#### ***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. Under no circumstances should the formulas in a calculated cell be overwritten.

#### ***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 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 P30 will change colour if P30 (overhead circuit length by terrain) does not equal P18 (overhead circuit length by operating voltage).

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

#### ***Inserting Additional Rows and Columns***

The templates for schedules 4, 5b, 5c, 5d, 5e, 5i, 6a, 8, 9d, and 9e may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar.

Additional rows in schedules 5c, 5i, 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 76 and 79 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 67:74, copy, select Excel row 76, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:77, 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 1 October 2012). They provide a common reference between the rows in the determination and the template. Due to page formatting, the row reference sequences contained in the determination schedules are not necessarily contiguous.

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

### ***Changes to disclosure year 2013***

Clause 2.12 of the Electricity Distribution ID Determination 2012 does not apply for disclosure years 2014 and onwards.

EDBs do not need to complete transitional schedules 5h and 5i. These schedules have been excluded from this version of the templates.

All schedules in this workbook must now be completed in full and publicly disclosed.

### ***Schedule 2: Report on Return on Investment***

The ROI calculations are performed in this template.

All suppliers must complete tables 2(i) Return on Investment and 2(ii) Information Supporting the ROI.

Only suppliers who meet either of the two thresholds set out in subclause 2.3.3 of the Electricity Distribution Information Disclosure Determination 2012 need to complete table 2(iii) Information Supporting the Monthly ROI. We expect that most suppliers will generally not meet either threshold. You will need to work out if you met either threshold using your own tools (e.g. Excel) and do not need to disclose these calculations. If you met either threshold you will need to provide a breakdown of five cash flow items on a month by month basis, as well as your opening revenue related working capital. The definitions for these items are the same as for the rest of the schedules. The values for assets commissioned and asset disposals should relate to the RAB (not the unallocated RAB).

The Excel worksheet uses several calculated cells beyond the rightmost edge of the template to calculate the monthly

The prior year comparison information in the table 2(i) columns labelled CY-1 and CY-2 should be completed by copying the results from the previous year's disclosure.

### ***Schedule 8: Report on Billed Quantities and Line Charge Revenues***

This template should be completed in respect of each consumer groups or price category code (as applicable) that applied in the relevant disclosure year. The 'Average number of ICPs in disclosure year' column entries should be the arithmetic mean of monthly total ICPs (at month end).

Company Name **Vector**  
 For Year Ended **31 March 2014**

## SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.

sch ref

### 7 1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
8 <b>Operational expenditure</b>	12,919	198	61,115	5,941	26,341
9 Network	4,423	68	20,924	2,034	9,019
10 Non-network	8,496	130	40,190	3,907	17,322
11 <b>Expenditure on assets</b>	21,098	323	99,808	9,702	43,018
12 Network	19,861	304	93,952	9,133	40,494
13 Non-network	1,238	19	5,856	569	2,524

### 17 1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
18 <b>Total consumer line charge revenue</b>	71,719	1,097
19 Standard consumer line charge revenue	76,042	1,049
20 Non-standard consumer line charge revenue	31,987	508,275

### 23 1(iii): Service intensity measures

24 Demand density	97	Maximum coincident system demand per km circuit length (for supply) (kW/km)
25 Volume density	460	Total energy delivered to ICPs per km circuit length (for supply) (MWh/km)
26 Connection point density	30	Average number of ICPs per km circuit length (for supply) (ICPs/km)
27 Energy intensity	15,292	Total energy delivered to ICPs per Average number of ICPs (kWh/ICP)

### 31 1(iv): Composition of regulatory income

	(\$000)	% of revenue
32 Operational expenditure	106,706	18.14%
33 Pass-through and recoverable costs	192,508	32.73%
34 Total depreciation	90,831	15.44%
35 Total revaluation	38,684	6.58%
36 Regulatory tax allowance	51,911	8.83%
37 Regulatory profit/loss	184,346	31.34%
38 <b>Total regulatory income</b>	588,136	

### 41 1(v): Reliability

	Interruptions per 100 circuit km
42 Interruption rate	15.02

Company Name	Vector
For Year Ended	31 March 2014

**SCHEDULE 2: REPORT ON RETURN ON INVESTMENT**

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

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

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

sch ref

	CY-2 31 Mar 12 %	CY-1 31 Mar 13 %	Current Year CY 31 Mar 14 %
<b>2(i): Return on Investment</b>			
<b>Post tax WACC</b>			
ROI—comparable to a post tax WACC	7.81%	7.15%	6.51%
<b>Mid-point estimate of post tax WACC</b>	6.40%	5.85%	5.43%
25th percentile estimate	5.68%	5.13%	4.71%
75th percentile estimate	7.11%	6.56%	6.14%
<b>Vanilla WACC</b>			
ROI—comparable to a vanilla WACC	8.64%	7.93%	7.19%
<b>Mid-point estimate of vanilla WACC</b>	7.22%	6.62%	6.11%
25th percentile estimate	6.51%	5.91%	5.39%
75th percentile estimate	7.94%	7.34%	6.83%
<b>2(ii): Information Supporting the ROI</b>			
			(\$'000)
Total opening RAB value	2,536,404		
plus Opening deferred tax	(43,155)		
Opening RIV		2,493,249	
Operating surplus / (deficit)	288,922		
less Regulatory tax allowance	51,911		
less Assets commissioned	143,062		
plus Asset disposals	8,447		
<b>Notional net cash flows</b>		102,396	
Total closing RAB value	2,618,855		
less Adjustment resulting from asset allocation	(17)		
less Lost and found assets adjustment	-		
plus Closing deferred tax	(52,259)		
<b>Closing RIV</b>		2,566,613	
<b>ROI—comparable to a vanilla WACC</b>		7.19%	
Leverage (%)		44%	
Cost of debt assumption (%)		5.56%	
Corporate tax rate (%)		28%	
<b>ROI—comparable to a post tax WACC</b>		6.51%	

Company Name	Vector
For Year Ended	31 March 2014

**SCHEDULE 2: REPORT ON RETURN ON INVESTMENT**

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

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

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

sch ref

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

Cash flows	(\$000)					
	Total regulatory income	Expenses	Tax payments	Assets commissioned	Asset disposals	Notional net cash flows
April	43,076	23,839		460	2,145	20,922
May	54,878	25,300		6,213	938	24,303
June	56,754	25,954		27,874	461	3,387
July	58,564	24,984		13,172	1,260	21,668
August	55,492	24,459		11,336	488	20,185
September	52,545	25,154		7,465	328	20,254
October	47,288	25,150		10,412	504	12,230
November	44,130	25,531	5,191	9,390	613	4,631
December	47,217	23,198		7,335	522	17,206
January	43,502	24,175		13,506	359	6,180
February	40,490	24,931		6,332	556	9,783
March	44,200	26,539	46,719	29,567	273	(58,352)
<b>Total</b>	<b>588,136</b>	<b>299,214</b>	<b>51,911</b>	<b>143,062</b>	<b>8,447</b>	<b>102,396</b>

	Opening / closing RAB	Adjustment resulting from asset allocation	Lost and found assets adjustment	Opening / closing deferred tax	Revenue related working capital	Total
Monthly ROI - opening RIV	2,536,404			(43,155)	41,860	2,535,109
Monthly ROI -closing RIV	2,618,855	(17)	-	(52,259)	44,200	2,610,813
Monthly ROI -closing RIV less term credit spread differential allowance						2,610,295
<b>Monthly ROI—comparable to a vanilla WACC</b>						<b>7.26%</b>
<b>Monthly ROI—comparable to a post-tax WACC</b>						<b>6.58%</b>

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

Year-end ROI—comparable to a vanilla WACC	7.19%
Year-end ROI—comparable to a post-tax WACC	6.50%

\* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.

Company Name **Vector**  
 For Year Ended **31 March 2014**

**SCHEDULE 3: REPORT ON REGULATORY PROFIT**

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete 3(i), 3(iv) and 3(v) and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes). Non-exempt EDBs must also complete sections 3(ii) and 3(iii). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref				
7		<b>3(i): Regulatory Profit</b>		<b>(\$000)</b>
8		Income		
9		Line charge revenue		592,371
10	plus	Gains / (losses) on asset disposals		(7,805)
11	plus	Other regulated income (other than gains / (losses) on asset disposals)		3,570
12				
13		<b>Total regulatory income</b>		<b>588,136</b>
14		Expenses		
15	less	Operational expenditure		106,706
17	less	Pass-through and recoverable costs		192,508
18				
19		<b>Operating surplus / (deficit)</b>		<b>288,922</b>
20				
21	less	Total depreciation		90,831
22				
23	plus	Total revaluation		38,684
24				
25		<b>Regulatory profit / (loss) before tax &amp; term credit spread differential allowance</b>		<b>236,775</b>
26				
27	less	Term credit spread differential allowance		518
28				
29		<b>Regulatory profit / (loss) before tax</b>		<b>236,257</b>
30				
31	less	Regulatory tax allowance		51,911
32				
33		<b>Regulatory profit / (loss)</b>		<b>184,346</b>
34				
35		<b>3(ii): Pass-Through and Recoverable Costs</b>		<b>(\$000)</b>
36		Pass-through costs		
37		Rates	6,886	
38		Commerce Act levies	1,150	
39		Electricity Authority levies	819	
40		Other specified pass-through costs	227	
41		Recoverable costs		
42		Net recoverable costs allowed under incremental rolling incentive scheme		
43		Non-exempt EDB electricity lines service charge payable to Transpower	165,278	
44		Transpower new investment contract charges	5,545	
45		System operator services	3,570	
46		Avoided transmission charge	9,033	
47		Input Methodology claw-back	-	
48		Recoverable customised price-quality path costs	-	
49		<b>Pass-through and recoverable costs</b>		<b>192,508</b>
57		<b>3(iii): Incremental Rolling Incentive Scheme</b>		<b>(\$000)</b>
58				
59			<b>CY-1</b>	<b>CY</b>
60			<b>31 March 2013</b>	<b>31 March 2014</b>
61		Allowed controllable opex	-	-
62		Actual controllable opex	-	-
63				
64		Incremental change in year		
65				
66			<b>Previous years' incremental change</b>	<b>Previous years' incremental change adjusted for inflation</b>
67		CY-5 31 Mar 09	-	-
68		CY-4 31 Mar 10	-	-
69		CY-3 31 Mar 11	-	-
70		CY-2 31 Mar 12	-	-
71		CY-1 31 Mar 13	-	-
72		<b>Net incremental rolling incentive scheme</b>		
73				
74		<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>		
75				
76		<b>3(iv): Merger and Acquisition Expenditure</b>		
77		Merger and acquisition expenses		
78				
79		Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)		
80		<b>3(v): Other Disclosures</b>		
81		Self-insurance allowance		



Company Name **Vector**  
 For Year Ended **31 March 2014**

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

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

4(i): Regulatory Asset Base Value (Rolled Forward)		for year ended				
		RAB 31 Mar 10 (\$000)	RAB 31 Mar 11 (\$000)	RAB 31 Mar 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)
	Total opening RAB value	2,273,866	2,364,452	2,453,324	2,489,280	2,536,404
less	Total depreciation	80,507	82,989	87,420	84,718	90,831
plus	Total revaluations	46,435	56,914	38,147	21,339	38,684
plus	Assets commissioned	131,577	121,346	102,442	113,902	143,062
less	Asset disposals	6,879	7,255	17,091	3,348	8,447
plus	Lost and found assets adjustment	-	-	-	-	-
plus	Adjustment resulting from asset allocation	(40)	856	(122)	(51)	(17)
	Total closing RAB value	2,364,452	2,453,324	2,489,280	2,536,404	2,618,855

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		2,546,454		2,536,404
less	Total depreciation		95,527		90,831
plus	Total revaluations		38,796		38,684
plus	Assets commissioned (other than below)	146,832		143,062	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	<b>Assets commissioned</b>		146,832		143,062
less	Asset disposals (other than below)	8,453		8,447	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	<b>Asset disposals</b>		8,453		8,447
plus	Lost and found assets adjustment		-		-
plus	Adjustment resulting from asset allocation				(17)
	Total closing RAB value		2,628,102		2,618,855

\* The 'unallocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services without any allowance being made for the allocation of costs to non-regulated services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.

Company Name **Vector**  
 For Year Ended **31 March 2014**

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

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

58					
59					
60					1,192
61					1,174
62					1.53%
63					
64					
65					
66					
67					
68					
69					
70					
71					

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	2,546,454		2,536,404	
less Opening RAB value of fully depreciated, disposed and lost assets	16,073		13,627	
Total opening RAB value subject to revaluation	2,530,381		2,522,777	
<b>Total revaluations</b>		38,796		38,680

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

72					
73					
74					
75					
76					
77					
78					
79					
80					

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		50,649		50,066
plus Capital expenditure	153,102		149,212	
less Assets commissioned	146,832		143,062	
plus Adjustment resulting from asset allocation			116	
<b>Works under construction - current disclosure year</b>		56,919		56,332
Highest rate of capitalised finance applied				6.14%

Company Name **Vector**  
 For Year Ended **31 March 2014**

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

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
91 Depreciation - standard	76,018		76,018	
92 Depreciation - no standard life assets	19,509		14,813	
93 Depreciation - modified life assets				
94 Depreciation - alternative depreciation in accordance with CPP				
95 <b>Total depreciation</b>		95,527		90,831

**97 4(vi): Disclosure of Changes to Depreciation Profiles**

(\$000 unless otherwise specified)

Asset or assets with changes to depreciation*	Reason for non-standard depreciation (text entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation

\* include additional rows if needed

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

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
110 <b>Total opening RAB value</b>	83,671	411,331	202,404	264,808	728,362	248,515	136,838	431,637	28,838	2,536,404
111 <i>less</i> Total depreciation	2,084	10,932	7,792	8,067	23,460	7,923	6,245	13,539	10,789	90,831
112 <i>plus</i> Total revaluations	1,272	6,300	3,094	4,026	11,162	3,793	2,076	6,592	369	38,684
113 <i>plus</i> Assets commissioned	-	474	14,643	15,641	22,571	13,497	9,152	56,605	10,479	143,062
114 <i>less</i> Asset disposals	728	130	682	2,319	595	1,397	1,563	1,030	3	8,447
115 <i>plus</i> Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
116 <i>plus</i> Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	(17)	(17)
117 <i>plus</i> Asset category transfers	-	-	-	-	-	-	-	-	-	-
118 <b>Total closing RAB value</b>	82,131	407,043	211,667	274,089	738,040	256,485	140,258	480,265	28,877	2,618,855
119 <b>Asset Life</b>										
120 Weighted average remaining asset life	47.5	49.0	34.8	41.1	37.5	36.7	28.2	32.1	9.1	(years)
121 Weighted average expected total asset life	59.0	69.2	44.1	58.0	60.8	45.0	38.5	42.0	13.8	(years)

Company Name **Vector**  
 For Year Ended **31 March 2014**

### SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		(\$000)
7	<b>5a(i): Regulatory Tax Allowance</b>	
8	Regulatory profit / (loss) before tax	236,257
9		
10	plus Income not included in regulatory profit / (loss) before tax but taxable	8,852 *
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	157 *
12	Amortisation of initial differences in asset values	35,098
13	Amortisation of revaluations	5,250
14		49,357
15		
16	less Income included in regulatory profit / (loss) before tax but not taxable	38,706 *
17	Discretionary discounts and consumer rebates	-
18	Expenditure or loss deductible but not in regulatory profit / (loss) before tax**	-
19	Notional deductible interest	61,513
20		100,219
21		
22	<b>Regulatory taxable income</b>	<b>185,395</b>
23		
24	less Utilised tax losses	-
25	Regulatory net taxable income	185,395
26		
27	Corporate tax rate (%)	28%
28	<b>Regulatory tax allowance</b>	<b>51,911</b>
29		
30	* Workings to be provided in Schedule 14	
31	** Excluding discretionary discounts and consumer rebates	
32	<b>5a(ii): Disclosure of Permanent Differences</b>	
33	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).	
34	<b>5a(iii): Amortisation of Initial Difference in Asset Values</b>	(\$000)
35		
36	Opening unamortised initial differences in asset values	1,263,539
37	Amortisation of initial differences in asset values	35,098
38	Adjustment for unamortised initial differences in assets acquired	-
39	Adjustment for unamortised initial differences in assets disposed	4,350
40	Closing unamortised initial differences in asset values	1,224,091
41		
42	Opening weighted average remaining asset life (years)	36
43	<b>5a(iv): Amortisation of Revaluations</b>	(\$000)
44		
45	Opening Sum of RAB values without revaluations	2,379,108
46		
47	Adjusted depreciation	85,581
48	Total depreciation	90,831
49	Amortisation of revaluations	5,250

Company Name **Vector**  
 For Year Ended **31 March 2014**

**SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE**

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

57	<b>5a(v): Reconciliation of Tax Losses</b>		(\$000)
58			
59	Opening tax losses	-	
60	plus Current period tax losses	-	
61	less Utilised tax losses	-	
62	Closing tax losses		-
63	<b>5a(vi): Calculation of Deferred Tax Balance</b>		(\$000)
64			
65	Opening deferred tax	(43,155)	
66			
67	plus Tax effect of adjusted depreciation	23,963	
68			
69	less Tax effect of total tax depreciation	25,285	
70			
71	plus Tax effect of other temporary differences*	419	
72			
73	less Tax effect of amortisation of initial differences in asset values	9,828	
74			
75	plus Deferred tax balance relating to assets acquired in the disclosure year	-	
76			
77	less Deferred tax balance relating to assets disposed in the disclosure year	(1,487)	
78			
79	plus Deferred tax cost allocation adjustment	140	
80			
81	Closing deferred tax		(52,259)
82			
83	<b>5a(vii): Disclosure of Temporary Differences</b>		
84	In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).		
85			
86	<b>5a(viii): Regulatory Tax Asset Base Roll-Forward</b>		(\$000)
87			
88	Opening sum of regulatory tax asset values	966,964	
89	less Tax depreciation	90,303	
90	plus Regulatory tax asset value of assets commissioned	144,913	
91	less Regulatory tax asset value of asset disposals	3,136	
92	plus Lost and found assets adjustment	-	
93	plus Other adjustments to the RAB tax value	1,288	
94	Closing sum of regulatory tax asset values		1,019,726

Company Name **Vector**  
 For Year Ended **31 March 2014**

**SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS**

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

*sch ref*

7 <b>5b(i): Summary—Related Party Transactions</b>		(\$000)
8	Total regulatory income	-
9	Operational expenditure	12,778
10	Capital expenditure	-
11	Market value of asset disposals	-
12	Other related party transactions	-

13 <b>5b(ii): Entities Involved in Related Party Transactions</b>	
14 Name of related party	Related party relationship
15 Vector Communications Limited	A wholly owned subsidiary of Vector Limited.
16 Tree Scape Limited	An associate in which Vector Limited holds a 50% interest.
17	
18	
19	

\* include additional rows if needed

21 <b>5b(iii): Related Party Transactions</b>				
22 Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
23 Vector Communications Limited	Opex	Purchase of telecommunications services	8,700	Clause 2.3.6 (1) (c) (i)- as more than 50% of Vector Communication Limited's sales are to third parties who may purchase the same or similar services or goods on substantially the same terms and conditions including price as Vector Limited.
24 Tree Scape Limited	Opex	Purchase of vegetation management services	4,078	Clause 2.3.6 (1) (d) - as price paid by Vector to Treescape is less than 1% of Vector's total revenue from electricity distribution services and the total price paid for all related party transactions by Vector is less than 5% of Vector's total revenue from electricity distribution services.
25	[Select one]			
26	[Select one]			
27	[Select one]			
28	[Select one]			
29	[Select one]			
30	[Select one]			
31	[Select one]			
32	[Select one]			
33	[Select one]			
34	[Select one]			
35	[Select one]			
36	[Select one]			
37	[Select one]			

\* include additional rows if needed

Company Name **Vector**  
 For Year Ended **31 March 2014**

**SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE**

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

sch ref

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

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment
Senior bonds – fixed coupon	27/05/2009	27-May-09	5.4	7.8	150,000	153,215	[ ]VCI	[ ]VCI	[ ]VCI
Capital bonds – fixed coupon	15/12/2006	14-Jun-12	5.0	7	262,651	262,217	[ ]VCI	[ ]VCI	[ ]VCI
Floating rate notes	4/04/2007	4-Apr-07	10	BKBM + [ ]VCI	200,000		[ ]VCI	[ ]VCI	[ ]VCI
	26/10/2005	26-Oct-05	10	BKBM + [ ]VCI	250,000		[ ]VCI	[ ]VCI	[ ]VCI
	26/10/2005	26-Oct-05	12	BKBM + [ ]VCI	400,000		[ ]VCI	[ ]VCI	[ ]VCI
	26/10/2005	26-Oct-05	15	BKBM + [ ]VCI	350,000		[ ]VCI	[ ]VCI	[ ]VCI
<b>Subtotal of floating rate notes</b>				1,200,000	1,152,627				
Medium term notes – GBP fixed rate	11/04/2008	8-Apr-08	10.8	7.625	285,614	223,125	[ ]VCI	[ ]VCI	[ ]VCI
Senior notes - USD fixed rate	16/09/2004	19-Jul-04	12	5.51	98,875		[ ]VCI	[ ]VCI	[ ]VCI
Senior notes - USD fixed rate	16/09/2004	19-Jul-04	15	5.75	296,623		[ ]VCI	[ ]VCI	[ ]VCI
Senior notes - USD fixed rate	20/12/2010	22-Sep-10	12	[ ]VCI	250,516		[ ]VCI	[ ]VCI	[ ]VCI
<b>Subtotal of senior notes - USD Fixed rate</b>					668,831	629,672			
Bank loans	3/02/2012	3-Feb-12	3	BKBM + [ ]VCI					
	3/02/2012	3-Feb-12	3	BKBM + [ ]VCI					
	29/07/2010	29-Jul-10	3	BKBM + [ ]VCI					
<b>Subtotal of bank loans</b>						(187)			
Working capital loans	17/12/2010	17-Dec-10	3	BKBM + [ ]VCI					
	17/12/2010	17-Dec-10	3	BKBM + [ ]VCI					
<b>Subtotal of working capital loan</b>						(239)			
<i>* include additional rows if needed</i>						2,420,430	[ ]VCI	[ ]VCI	[ ]VCI

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

Gross term credit spread differential	1,106
Total book value of interest bearing debt	2,420,430
Leverage	44%
Average opening and closing RAB values	2,577,630
Attribution Rate (%)	47%
Term credit spread differential allowance	518

Company Name **Vector**  
 For Year Ended **31 March 2014**

**SCHEDULE 5d: REPORT ON COST ALLOCATIONS**

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

sch ref

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	<b>5d(i): Operating Cost Allocations</b>					
9	<b>Service interruptions and emergencies</b>					
11	Directly attributable		7,752			
12	Not directly attributable					
13	<b>Total attributable to regulated service</b>		7,752			
14	<b>Vegetation management</b>					
15	Directly attributable		3,886			
16	Not directly attributable					
17	<b>Total attributable to regulated service</b>		3,886			
18	<b>Routine and corrective maintenance and inspection</b>					
19	Directly attributable		12,940			
20	Not directly attributable					
21	<b>Total attributable to regulated service</b>		12,940			
22	<b>Asset replacement and renewal</b>					
23	Directly attributable		11,956			
24	Not directly attributable					
25	<b>Total attributable to regulated service</b>		11,956			
26	<b>System operations and network support</b>					
27	Directly attributable		35,463			
28	Not directly attributable		7,406	2,856	10,262	
29	<b>Total attributable to regulated service</b>		42,869			
30	<b>Business support</b>					
31	Directly attributable		1,490			
32	Not directly attributable		25,813	18,912	44,725	
33	<b>Total attributable to regulated service</b>		27,303			
34						
35	<b>Operating costs directly attributable</b>		73,487			
36	<b>Operating costs not directly attributable</b>		33,219	21,768	54,987	
37	<b>Operating expenditure</b>		106,706			

45	<b>5d(ii): Other Cost Allocations</b>					
46	<b>Pass through and recoverable costs</b>					
47	<b>Pass through costs</b>					
48	Directly attributable		9,082			
49	Not directly attributable					
50	<b>Total attributable to regulated service</b>		9,082			
51	<b>Recoverable costs</b>					
52	Directly attributable		183,426			
53	Not directly attributable					
54	<b>Total attributable to regulated service</b>		183,426			
55						

		(\$000)			
			CY-1	Current Year (CY)	
			31 Mar 13	31 Mar 14	
56	<b>5d(iii): Changes in Cost Allocations* †</b>				
58	<b>Change in cost allocation 1</b>				
59	Cost category				
60	Original allocator or line items		Original allocation		
61	New allocator or line items		New allocation		
62			Difference		
63	Rationale for change				
64					
66	<b>Change in cost allocation 2</b>				
67	Cost category				
68	Original allocator or line items		Original allocation		
69	New allocator or line items		New allocation		
70			Difference		
71	Rationale for change				
72					
74	<b>Change in cost allocation 3</b>				
75	Cost category				
76	Original allocator or line items		Original allocation		
77	New allocator or line items		New allocation		
78			Difference		
79	Rationale for change				
80					

\* a change in cost allocation must be completed for each cost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.

† include additional rows if needed



Company Name **Vector**  
 For Year Ended **31 March 2014**

**SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS**

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7 <b>5e(i): Regulated Service Asset Values</b>		Value allocated (\$000s)
		Electricity distribution services
10	<b>Subtransmission lines</b>	
11	Directly attributable	82,131
12	Not directly attributable	-
13	<b>Total attributable to regulated service</b>	82,131
14	<b>Subtransmission cables</b>	
15	Directly attributable	407,043
16	Not directly attributable	-
17	<b>Total attributable to regulated service</b>	407,043
18	<b>Zone substations</b>	
19	Directly attributable	211,667
20	Not directly attributable	-
21	<b>Total attributable to regulated service</b>	211,667
22	<b>Distribution and LV lines</b>	
23	Directly attributable	274,089
24	Not directly attributable	-
25	<b>Total attributable to regulated service</b>	274,089
26	<b>Distribution and LV cables</b>	
27	Directly attributable	738,040
28	Not directly attributable	-
29	<b>Total attributable to regulated service</b>	738,040
30	<b>Distribution substations and transformers</b>	
31	Directly attributable	256,485
32	Not directly attributable	-
33	<b>Total attributable to regulated service</b>	256,485
34	<b>Distribution switchgear</b>	
35	Directly attributable	140,258
36	Not directly attributable	-
37	<b>Total attributable to regulated service</b>	140,258
38	<b>Other network assets</b>	
39	Directly attributable	480,265
40	Not directly attributable	-
41	<b>Total attributable to regulated service</b>	480,265
42	<b>Non-network assets</b>	
43	Directly attributable	11,038
44	Not directly attributable	17,839
45	<b>Total attributable to regulated service</b>	28,877
46		
47	<b>Regulated service asset value directly attributable</b>	2,601,016
48	<b>Regulated service asset value not directly attributable</b>	17,839
49	<b>Total closing RAB value</b>	2,618,855

57 <b>5e(ii): Changes in Asset Allocations* †</b>		(\$000)	
		CY-1	Current Year (CY)
		31 Mar 13	31 Mar 14
60	<b>Change in asset value allocation 1</b>		
61	Asset category		
62	Original allocator or line items		
63	New allocator or line items		
64			
65	Rationale for change		
66			
67			
68	<b>Change in asset value allocation 2</b>		
69	Asset category		
70	Original allocator or line items		
71	New allocator or line items		
72			
73	Rationale for change		
74			
75			
76			
77	<b>Change in asset value allocation 3</b>		
78	Asset category		
79	Original allocator or line items		
80	New allocator or line items		
81			
82	Rationale for change		
83			
84			

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

Company Name **Vector**  
 For Year Ended **31 March 2014**

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

		(\$000)	(\$000)
7	<b>6a(i): Expenditure on Assets</b>		
8	Consumer connection		31,712
9	System growth		46,369
10	Asset replacement and renewal		58,410
11	Asset relocations		21,377
12	Reliability, safety and environment:		
13	Quality of supply	3,972	
14	Legislative and regulatory	2,200	
15	Other reliability, safety and environment	-	
16	<b>Total reliability, safety and environment</b>		6,172
17	<b>Expenditure on network assets</b>		164,040
18	Non-network assets		10,224
19			
20	<b>Expenditure on assets</b>		174,264
21	plus Cost of financing		4,213
22	less Value of capital contributions		29,265
23	plus Value of vested assets		-
24			
25	<b>Capital expenditure</b>		149,212
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		-
28	Overhead to underground conversion		13,106
29	Research and development		8,347
30	<b>6a(iii): Consumer Connection</b>		
31	<i>Consumer types defined by EDB*</i>	(\$000)	(\$000)
32	Service connection	8,369	
	Customer substations	5,209	
	Business subdivisions	923	
33	Residential subdivisions	13,951	
34	Capacity change	2,115	
35	Street lighting	1,077	
36	Easement costs	68	
37	<i>* include additional rows if needed</i>		
38	<b>Consumer connection expenditure</b>		31,712
39			
40	less Capital contributions funding consumer connection expenditure	17,175	
41	<b>Consumer connection less capital contributions</b>		14,537
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>		
43		System Growth	Asset Replacement and Renewal
44		(\$000)	(\$000)
45	Subtransmission	4,939	913
46	Zone substations	21,865	16,794
47	Distribution and LV lines	1,348	17,731
48	Distribution and LV cables	12,069	5,301
49	Distribution substations and transformers	690	5,747
50	Distribution switchgear	644	5,289
51	Other network assets	4,814	6,635
52	<b>System growth and asset replacement and renewal expenditure</b>	46,369	58,410
53	less Capital contributions funding system growth and asset replacement and renewal	3,965	35
54	<b>System growth and asset replacement and renewal less capital contributions</b>	42,404	58,375
55			
56	<b>6a(v): Asset Relocations</b>		
57	<i>Project or programme*</i>	(\$000)	(\$000)
58	Auckland Manakau Express Transit Initiative (AMETI) Arterial Road Phase 2	1,193	
59	Tiverton Wolverton Relocation Project	1,419	
60	OIP Programme	13,106	
61			
62			
63	<i>* include additional rows if needed</i>		
64	All other asset relocations projects or programmes	5,659	
65	<b>Asset relocations expenditure</b>		21,377
66	less Capital contributions funding asset relocations	8,090	
67	<b>Asset relocations less capital contributions</b>		13,287
75	<b>6a(vi): Quality of Supply</b>		
76	<i>Project or programme*</i>	(\$000)	(\$000)
77	Solar PV Program	3,389	

Company Name **Vector**  
 For Year Ended **31 March 2014**

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

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

sch ref				
78				
79				
80				
81				
82	<i>* include additional rows if needed</i>			
83	All other quality of supply projects or programmes		583	
84	<b>Quality of supply expenditure</b>			3,972
85	<i>less</i> Capital contributions funding quality of supply			
86	<b>Quality of supply less capital contributions</b>			3,972
87	<b>6a(vii): Legislative and Regulatory</b>			
88	<i>Project or programme*</i>		(\$000)	(\$000)
89				
90				
91				
92				
93				
94	<i>* include additional rows if needed</i>			
95	All other legislative and regulatory projects or programmes		2,200	
96	<b>Legislative and regulatory expenditure</b>			2,200
97	<i>less</i> Capital contributions funding legislative and regulatory			
98	<b>Legislative and regulatory less capital contributions</b>			2,200
99	<b>6a(viii): Other Reliability, Safety and Environment</b>			
100	<i>Project or programme*</i>		(\$000)	(\$000)
101				
102				
103				
104				
105				
106	<i>* include additional rows if needed</i>			
107	All other reliability, safety and environment projects or programmes			
108	<b>Other reliability, safety and environment expenditure</b>			
109	<i>less</i> Capital contributions funding other reliability, safety and environment			
110	<b>Other reliability, safety and environment less capital contributions</b>			
111				
112	<b>6a(ix): Non-Network Assets</b>			
113	<b>Routine expenditure</b>			
114	<i>Project or programme*</i>		(\$000)	(\$000)
115				
116				
117				
118				
119				
120	<i>* include additional rows if needed</i>			
121	All other routine expenditure projects or programmes		9,669	
122	<b>Routine expenditure</b>			9,669
123	<b>Atypical expenditure</b>			
124	<i>Project or programme*</i>		(\$000)	(\$000)
125				
126				
127				
128				
129				
130	<i>* include additional rows if needed</i>			
131	All other atypical expenditure projects or programmes		555	
132	<b>Atypical expenditure</b>			555
133				
134	<b>Non-network assets expenditure</b>			10,224

Company Name **Vector**  
 For Year Ended **31 March 2014**

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

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

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

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

*sch ref*

		(\$000)	(\$000)
7	<b>6b(i): Operational Expenditure</b>		
8	Service interruptions and emergencies	7,752	
9	Vegetation management	3,886	
10	Routine and corrective maintenance and inspection	12,940	
11	Asset replacement and renewal	11,956	
12	<b>Network opex</b>		36,534
13	System operations and network support	42,869	
14	Business support	27,303	
15	<b>Non-network opex</b>		70,172
16			
17	<b>Operational expenditure</b>		106,706
18	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
19	Energy efficiency and demand side management, reduction of energy losses		-
20	Direct billing*		-
21	Research and development		615
22	Insurance		3,077
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Vector**  
For Year Ended **31 March 2014**

## SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

7(i): Revenue		Target (\$000) <sup>1</sup>	Actual (\$000)	% variance
7				
8	Line charge revenue	639,100	592,371	(7%)
7(ii): Expenditure on Assets		Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
9				
10	Consumer connection	23,383	31,712	36%
11	System growth	47,179	46,369	(2%)
12	Asset replacement and renewal	57,112	58,410	2%
13	Asset relocations	20,757	21,377	3%
14	Reliability, safety and environment:			
15	Quality of supply	1,124	3,972	253%
16	Legislative and regulatory	2,953	2,200	(25%)
17	Other reliability, safety and environment	1,731	-	(100%)
18	<b>Total reliability, safety and environment</b>	<b>5,808</b>	<b>6,172</b>	<b>6%</b>
19	<b>Expenditure on network assets</b>	<b>154,239</b>	<b>164,040</b>	<b>6%</b>
20	Non-network capex	12,064	10,224	(15%)
21	<b>Expenditure on assets</b>	<b>166,303</b>	<b>174,264</b>	<b>5%</b>
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	6,915	7,752	12%
24	Vegetation management	4,587	3,886	(15%)
25	Routine and corrective maintenance and inspection	12,167	12,940	6%
26	Asset replacement and renewal	11,179	11,956	7%
27	<b>Network opex</b>	<b>34,848</b>	<b>36,534</b>	<b>5%</b>
28	System operations and network support	42,716	42,869	0%
29	Business support	29,462	27,303	(7%)
30	<b>Non-network opex</b>	<b>72,178</b>	<b>70,172</b>	<b>(3%)</b>
31	<b>Operational expenditure</b>	<b>107,026</b>	<b>106,706</b>	<b>(0%)</b>
7(iv): Subcomponents of Expenditure on Assets (where known)				
32				
33	Energy efficiency and demand management, reduction of energy losses	-	-	-
34	Overhead to underground conversion	12,841	13,106	2%
35	Research and development	2,388	8,347	250%
36				
7(v): Subcomponents of Operational Expenditure (where known)				
37				
38	Energy efficiency and demand side management, reduction of energy losses	-	-	-
39	Direct billing	-	-	-
40	Research and development	-	615	-
41	Insurance	3,774	3,077	(18%)
42				
43	<i>1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of the Determination</i>			
44	<i>2 From the nominal dollar expenditure forecast and disclosed in the second to last AMP as the year CY+1 forecast</i>			

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-Network Name	Vector

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

**8(i): Billed Quantities by Price Component**

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
ARCL	residential	Standard	102,349	525,071
ARCS	residential	Standard	121,204	1,047,707
ARUL	residential	Standard	30,663	129,533
ARUS	residential	Standard	27,974	204,955
ARCH	residential	Standard	-	-
ARUH	residential	Standard	-	-
ABSN	business	Standard	37,848	771,149
ABSU	business	Standard	1,946	37,174
ALVN	low voltage	Standard	2,027	206,803
ALVH	low voltage	Standard	1,517	575,961
ATXN	transformer	Standard	152	18,973
ATXH	transformer	Standard	840	1,038,784
AHVN	high voltage	Standard	8	678
AHVN	high voltage	Standard	114	403,409
WRCL	residential	Standard	72,688	377,183
WRCS	residential	Standard	92,172	826,794
WRUL	residential	Standard	11,033	54,204
WRUS	residential	Standard	14,448	119,683
WRCH	residential	Standard	-	-
WRUH	residential	Standard	-	-
WBSN	business	Standard	21,517	390,554
WBSU	business	Standard	245	18,830
WLVC	low voltage	Standard	145	50,458
WLVN	low voltage	Standard	662	93,443
WL VH	low voltage	Standard	139	83,026
WTXN	transformer	Standard	132	51,561
WTXN	transformer	Standard	31	4,857
WTXN	transformer	Standard	205	329,591
WHVN	high voltage	Standard	-	-
WHVH	high voltage	Standard	15	88,795
NS	non-standard	Non-standard	51	810,401
<b>Standard consumer totals</b>			540,074	7,449,176
<b>Non-standard consumer totals</b>			51	810,401
<b>Total for all consumers</b>			540,125	8,259,577

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

**Billed quantities by price component**

Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVA/Day	kVA/Day
	37,648,747	525,070,553	-	-	-	-
	43,261,381	1,047,706,946	-	-	-	-
	11,660,954	129,533,043	-	-	-	-
	9,390,050	204,955,267	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	12,633,148	771,148,806	-	-	-	-
	22,622,925	37,174,334	-	-	-	-
	677,268	206,803,378	101,956,464	-	-	306,589
	-	575,960,714	136,566,162	52,482,360	-	7,770,776
	51,082	18,973,206	12,250,809	-	-	35,588
	-	1,038,784,488	197,547,875	84,258,494	-	245,647
	2,008	677,977	546,107	-	-	-
	-	403,408,644	51,757,740	31,485,313	148,905	2,080,834
	26,462,187	377,183,236	-	-	-	-
	33,671,987	826,793,881	-	-	-	-
	4,031,426	54,204,033	-	-	-	-
	5,269,575	119,683,488	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	7,838,341	390,553,535	-	-	-	-
	12,681,238	18,829,828	-	-	-	-
	52,673	50,457,839	11,336,035	-	-	-
	240,762	93,443,448	30,876,441	-	-	349,889
	50,250	83,025,950	13,702,466	6,204,666	-	607,389
	47,995	51,561,463	12,003,340	-	-	-
	11,452	4,856,642	3,937,440	-	-	108,046
	74,686	329,590,661	61,637,730	26,354,121	-	1,602,334
	130	54	-	-	-	-
	5,475	88,795,380	11,041,250	6,141,987	829	248,823
	31,166	8,947,715	54,800	22,272	-	17,878
	228,385,740	7,449,176,794	645,159,859	206,926,941	149,734	13,355,915
	31,166	8,947,715	54,800	22,272	-	17,878
	228,416,906	7,458,124,509	645,214,659	206,949,213	149,734	13,373,793

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

Company Name **Vector**  
 For Year Ended **31 March 2014**  
 Network / Sub-Network Name **Vector**

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

52 **8(ii): Line Charge Revenues (\$000) by Price Component**

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Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)
ARCL	residential	Standard	\$52,451	-
ARCS	residential	Standard	\$95,461	-
ARUL	residential	Standard	\$14,459	-
ARUS	residential	Standard	\$21,132	-
ARCH	residential	Standard	-	-
ARUH	residential	Standard	-	-
ABSN	business	Standard	\$62,223	-
ABSU	business	Standard	\$5,704	-
ALVN	low voltage	Standard	\$17,500	-
ALVH	low voltage	Standard	\$30,643	-
ATXN	transformer	Standard	\$1,617	-
ATXH	transformer	Standard	\$47,514	-
AHVN	high voltage	Standard	\$58	-
AHVN	high voltage	Standard	\$17,348	-
WRCL	residential	Standard	\$38,375	-
WRCS	residential	Standard	\$77,889	-
WRUL	residential	Standard	\$6,042	-
WRUS	residential	Standard	\$12,679	-
WRCH	residential	Standard	-	-
WRUH	residential	Standard	-	-
WBSN	business	Standard	\$33,895	-
WBSU	business	Standard	\$3,290	-
WLVC	low voltage	Standard	\$2,513	-
WLVN	low voltage	Standard	\$7,145	-
WL VH	low voltage	Standard	\$2,982	-
WTXN	transformer	Standard	\$2,293	-
WTXN	transformer	Standard	\$371	-
WTXH	transformer	Standard	\$10,574	-
WHVN	high voltage	Standard	\$1	-
WHVH	high voltage	Standard	\$2,290	-
NS	non-standard	Non-standard	\$25,922	-

<i>Add extra rows for additional consumer groups or price category codes as necessary</i>			
<b>Standard consumer totals</b>	\$566,449	-	-
<b>Non-standard consumer totals</b>	\$25,922	-	-
<b>Total for all consumers</b>	\$592,371	-	-

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$/day, \$/kWh, etc.)
\$36,731	\$15,720	
\$66,851	\$28,610	
\$10,125	\$4,334	
\$14,799	\$6,333	
-	-	
-	-	
\$43,574	\$18,649	
\$3,995	\$1,709	
\$12,255	\$5,245	
\$21,459	\$9,184	
\$1,133	\$484	
\$33,274	\$14,240	
\$41	\$17	
\$12,148	\$5,200	
\$26,157	\$12,218	
\$53,091	\$24,798	
\$4,118	\$1,924	
\$8,642	\$4,037	
-	-	
-	-	
\$23,103	\$10,792	
\$2,243	\$1,047	
\$1,713	\$800	
\$4,870	\$2,275	
\$2,032	\$950	
\$1,563	\$730	
\$253	\$118	
\$7,207	\$3,367	
\$1	-	
\$1,561	\$729	
\$15,020	\$10,902	

<b>Standard consumer totals</b>	\$392,939	\$173,510
<b>Non-standard consumer totals</b>	\$15,020	\$10,902
<b>Total for all consumers</b>	\$407,959	\$184,412

Price component	Line charge revenues (\$000) by price component					
	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVA/Day	
\$5,823	\$46,628	-	-	-	-	
\$30,934	\$64,527	-	-	-	-	
\$1,788	\$12,671	-	-	-	-	
\$6,745	\$14,387	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
\$9,920	\$52,303	-	-	-	-	
\$2,961	\$2,743	-	-	-	-	
\$1,027	\$13,334	\$3,130	-	-	\$9	
-	\$11,102	\$4,380	\$14,606	-	\$555	
\$75	\$1,192	\$349	-	-	\$1	
-	\$18,752	\$6,096	\$22,264	-	\$402	
\$3	\$42	\$13	-	-	-	
-	\$7,185	\$1,589	\$8,380	\$93	\$101	
\$3,966	\$34,409	-	-	-	-	
\$26,916	\$50,973	-	-	-	-	
\$604	\$5,438	-	-	-	-	
\$4,212	\$8,467	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
\$6,266	\$27,629	-	-	-	-	
\$1,647	\$1,643	-	-	-	-	
\$216	\$1,961	\$216	-	-	\$20	
\$1,203	\$5,350	\$569	-	-	\$23	
\$504	\$514	\$236	\$1,688	-	\$40	
\$259	\$1,803	\$201	-	-	\$30	
\$51	\$250	\$63	-	-	\$7	
\$672	\$1,844	\$1,014	\$6,939	-	\$105	
\$1	-	-	-	-	-	
\$48	\$479	\$177	\$1,569	\$1	\$16	
\$25,345	\$196	\$55	\$188	-	\$138	

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

**8(iii): Number of ICPs directly billed**

Number of directly billed ICPs at year end

Check  OK

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-Network Name	Southern

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

**8(i): Billed Quantities by Price Component**

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
ARCL	residential	Standard	102,349	525,071
ARCS	residential	Standard	121,204	1,047,707
ARUL	residential	Standard	30,663	129,533
ARUS	residential	Standard	27,974	204,955
ARCH	residential	Standard	-	-
ARUH	residential	Standard	-	-
ABSN	business	Standard	37,848	771,149
ABSU	business	Standard	1,946	37,174
ALVN	low voltage	Standard	2,027	206,803
ALVH	low voltage	Standard	1,517	575,961
ATXN	transformer	Standard	152	18,973
ATXH	transformer	Standard	840	1,038,784
AHVN	high voltage	Standard	8	678
AH VH	high voltage	Standard	114	403,409
NS	non-standard	Non-standard	40	714,192
<b>Standard consumer totals</b>			<b>326,642</b>	<b>4,960,197</b>
<b>Non-standard consumer totals</b>			<b>40</b>	<b>714,192</b>
<b>Total for all consumers</b>			<b>326,682</b>	<b>5,674,389</b>

Add extra rows for additional consumer groups or price category codes as necessary

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

Price component

**Billed quantities by price component**

Fixed	Variable	Capacity	Demand	Excess demand	Power factor
Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVA/Day
37,648,747	525,070,553	-	-	-	-
43,261,381	1,047,706,946	-	-	-	-
11,660,954	129,533,043	-	-	-	-
9,390,050	204,955,267	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
12,633,148	771,148,806	-	-	-	-
22,622,925	37,174,334	-	-	-	-
677,268	206,803,378	101,956,464	-	-	306,589
-	575,960,714	136,566,162	52,482,360	-	7,770,776
51,082	18,973,206	12,250,809	-	-	35,588
-	1,038,784,488	197,547,875	84,258,494	-	245,647
2,008	677,977	546,107	-	-	-
-	403,408,644	51,757,740	31,485,313	148,905	2,080,834
24,474	8,947,715	54,800	22,272	-	16,068
<b>137,947,563</b>	<b>4,960,197,356</b>	<b>500,625,157</b>	<b>168,226,167</b>	<b>148,905</b>	<b>10,439,434</b>
24,474	8,947,715	54,800	22,272	-	16,068
<b>137,972,037</b>	<b>4,969,145,071</b>	<b>500,679,957</b>	<b>168,248,439</b>	<b>148,905</b>	<b>10,455,502</b>

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



Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-Network Name	Southern

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

**8(ii): Line Charge Revenues (\$000) by Price Component**

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$/day, \$/kWh, etc.)	Line charge revenues (\$000) by price component						
								Fixed	Variable	Capacity	Demand	Excess demand	Power factor	
								Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVA/Day	
ARCL	residential	Standard	\$52,451		\$36,731	\$15,720		\$5,823	\$46,628	-	-	-	-	-
ARCS	residential	Standard	\$95,461		\$66,851	\$28,610		\$30,934	\$64,527	-	-	-	-	-
ARUL	residential	Standard	\$14,459		\$10,125	\$4,334		\$1,788	\$12,671	-	-	-	-	-
ARUS	residential	Standard	\$21,132		\$14,799	\$6,333		\$6,745	\$14,387	-	-	-	-	-
ARCH	residential	Standard	-		-	-		-	-	-	-	-	-	-
ARUH	residential	Standard	-		-	-		-	-	-	-	-	-	-
ABSN	business	Standard	\$62,223		\$43,574	\$18,649		\$9,920	\$52,303	-	-	-	-	-
ABSU	business	Standard	\$5,704		\$3,995	\$1,709		\$2,961	\$2,743	-	-	-	-	-
ALVN	low voltage	Standard	\$17,500		\$12,255	\$5,245		\$1,027	\$13,334	\$3,130	-	-	-	\$9
ALVH	low voltage	Standard	\$30,643		\$21,459	\$9,184		-	\$11,102	\$4,380	\$14,606	-	-	\$555
ATXN	transformer	Standard	\$1,617		\$1,133	\$484		\$75	\$1,192	\$349	-	-	-	\$1
ATXH	transformer	Standard	\$47,514		\$33,274	\$14,240		-	\$18,752	\$6,096	\$22,264	-	-	\$402
AHVN	high voltage	Standard	\$58		\$41	\$17		\$3	\$42	\$13	-	-	-	-
AH VH	high voltage	Standard	\$17,348		\$12,148	\$5,200		-	\$7,185	\$1,589	\$8,380	\$93	-	\$101
NS	non-standard	Non-standard	\$22,627		\$12,708	\$9,919		\$22,063	\$196	\$55	\$188	-	-	\$125
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>														
<b>Standard consumer totals</b>			\$366,110	-	\$256,385	\$109,725		\$59,276	\$244,866	\$15,557	\$45,250	\$93	-	\$1,068
<b>Non-standard consumer totals</b>			\$22,627	-	\$12,708	\$9,919		\$22,063	\$196	\$55	\$188	-	-	\$125
<b>Total for all consumers</b>			\$388,737	-	\$269,093	\$119,644		\$81,339	\$245,062	\$15,612	\$45,438	\$93	-	\$1,193

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

**8(iii): Number of ICPs directly billed**

Number of directly billed ICPs at year end

Check  OK

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-Network Name	Northern

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

**8(i): Billed Quantities by Price Component**

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
WRCL	residential	Standard	72,688	377,183
WRCS	residential	Standard	92,172	826,794
WRUL	residential	Standard	11,033	54,204
WRUS	residential	Standard	14,448	119,683
WRCH	residential	Standard	-	-
WRUH	residential	Standard	-	-
WBSN	business	Standard	21,517	390,554
WBSU	business	Standard	245	18,830
WLVC	low voltage	Standard	145	50,458
WLVN	low voltage	Standard	662	93,443
WL VH	low voltage	Standard	139	83,026
WTXC	transformer	Standard	132	51,561
WTXN	transformer	Standard	31	4,857
WTXH	transformer	Standard	205	329,591
WHVH	high voltage	Standard	-	-
WHVH	high voltage	Standard	15	88,795
NS	non-standard	Non-standard	11	96,209

Add extra rows for additional consumer groups or price category codes as necessary

<b>Standard consumer totals</b>	213,432	2,488,979
<b>Non-standard consumer totals</b>	11	96,209
<b>Total for all consumers</b>	213,443	2,585,188

Price component

**Billed quantities by price component**

Fixed	Variable	Capacity	Demand	Excess demand	Power factor
Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVA/Day
26,462,187	377,183,236	-	-	-	-
33,671,987	826,793,881	-	-	-	-
4,031,426	54,204,033	-	-	-	-
5,269,575	119,683,488	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
7,838,341	390,553,535	-	-	-	-
12,681,238	18,829,828	-	-	-	-
52,673	50,457,839	11,336,035	-	-	-
240,762	93,443,448	30,876,441	-	-	349,889
50,250	83,025,950	13,702,466	6,204,666	-	607,389
47,995	51,561,463	12,003,340	-	-	-
11,452	4,856,642	3,937,440	-	-	108,046
74,686	329,590,661	61,637,730	26,354,121	-	1,602,334
130	54	-	-	-	-
5,475	88,795,380	11,041,250	6,141,987	829	248,823
6,692	-	-	-	-	1,810
90,438,177	2,488,979,438	144,534,702	38,700,774	829	2,916,481
6,692	-	-	-	-	1,810
90,444,869	2,488,979,438	144,534,702	38,700,774	829	2,918,291

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

Company Name **Vector**  
 For Year Ended **31 March 2014**  
 Network / Sub-Network Name **Northern**

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

**8(ii): Line Charge Revenues (\$000) by Price Component**

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$/day, \$/kWh, etc.)	Line charge revenues (\$000) by price component						
								Fixed	Variable	Capacity	Demand	Excess demand	Power factor	
								Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVA/Day	
WRCL	residential	Standard	\$38,375		\$26,157	\$12,218		\$3,966	\$34,409					
WRCS	residential	Standard	\$77,889		\$53,091	\$24,798		\$26,916	\$50,973					
WRUL	residential	Standard	\$6,042		\$4,118	\$1,924		\$604	\$5,438					
WRUS	residential	Standard	\$12,679		\$8,642	\$4,037		\$4,212	\$8,467					
WRCH	residential	Standard	-		-	-		-	-					
WRUH	residential	Standard	-		-	-		-	-					
WBSN	business	Standard	\$33,895		\$23,103	\$10,792		\$6,266	\$27,629					
WBSU	business	Standard	\$3,290		\$2,243	\$1,047		\$1,647	\$1,643					
WLVC	low voltage	Standard	\$2,513		\$1,713	\$800		\$316	\$1,961	\$216				\$20
WLVN	low voltage	Standard	\$7,145		\$4,870	\$2,275		\$1,203	\$5,350	\$569				\$23
WLVH	low voltage	Standard	\$2,982		\$2,032	\$950		\$504	\$514	\$236	\$1,688			\$40
WTXC	transformer	Standard	\$2,293		\$1,563	\$730		\$259	\$1,803	\$201				\$30
WTXN	transformer	Standard	\$371		\$253	\$118		\$51	\$250	\$63				\$7
WTXH	transformer	Standard	\$10,574		\$7,207	\$3,367		\$672	\$1,844	\$1,014	\$6,939			\$105
WHVN	high voltage	Standard	\$1		\$1	-		\$1	-	-	-	-	-	-
WHVH	high voltage	Standard	\$2,290		\$1,561	\$729		\$48	\$479	\$177	\$1,569	\$1		\$16
NS	non-standard	Non-standard	\$3,295		\$2,312	\$983		\$3,282	-	-	-	-	-	\$13
Add extra rows for additional consumer groups or price category codes as necessary														
<b>Standard consumer totals</b>			\$200,339		\$136,554	\$63,785		\$46,665	\$140,760	\$2,476	\$10,196	\$1		\$241
<b>Non-standard consumer totals</b>			\$3,295		\$2,312	\$983		\$3,282	-	-	-	-	-	\$13
<b>Total for all consumers</b>			\$203,634		\$138,866	\$64,768		\$49,947	\$140,760	\$2,476	\$10,196	\$1		\$254

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

**8(iii): Number of ICPs directly billed** Check  OK

Number of directly billed ICPs at year end

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Vector

**SCHEDULE 9a: ASSET REGISTER**

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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Data accuracy	
					year (quantity)	year (quantity)	Net change	1-4
8	All	Overhead Line	Concrete poles / steel structure	No.	108,308	108,914	606	3
9	All	Overhead Line	Wood poles	No.	8,353	8,066	(287)	3
10	All	Overhead Line	Other pole types	No.	1	41	40	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	380	376	(5)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	26	26	(0)	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	295	299	4	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	151	151	0	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	5	5	(0)	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	56	54	(2)	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	30	30	(0)	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	17	17	(0)	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	14	14	-	4
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	98	98	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	7	7	-	4
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	63	9	(54)	4
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	6	2	(4)	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	233	213	(20)	3
28	HV	Zone substation switchgear	33kV RMU	No.	8	11	3	3
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	201	215	14	3
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	210	188	(22)	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	1,320	1,326	6	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	206	206	-	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,836	3,825	(12)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	1,126	1,177	51	4
38	HV	Distribution Cable	Distribution UG PILC	km	2,274	2,273	(2)	4
39	HV	Distribution Cable	Distribution Submarine Cable	km	8	8	(0)	4
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	176	274	98	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	125	125	-	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	8,602	8,757	155	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	3,946	3,916	(30)	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	5,891	5,969	78	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,750	7,692	(58)	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	13,328	13,506	178	3
47	HV	Distribution Transformer	Voltage regulators	No.	12	12	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	12,124	12,226	102	3
49	LV	LV Line	LV OH Conductor	km	4,189	4,168	(21)	3
50	LV	LV Cable	LV UG Cable	km	5,439	5,538	99	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	364	389	25	4
52	LV	Connections	OH/UG consumer service connections	No.	538,013	542,183	4,170	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	3,209	3,201	(8)	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	194	231	37	2
55	All	Capacitor Banks	Capacitors including controls	No.	28	28	-	2
56	All	Load Control	Centralised plant	Lot	32	32	-	4
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	10	10	-	4

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Southern

**SCHEDULE 9a: ASSET REGISTER**

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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Data accuracy	
					year (quantity)	year (quantity)	Net change	1-4
8	All	Overhead Line	Concrete poles / steel structure	No.	45,921	46,201	280	3
9	All	Overhead Line	Wood poles	No.	5,646	5,395	(251)	3
10	All	Overhead Line	Other pole types	No.	-	3	3	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	49	49	0	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	163	167	4	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	148	148	0	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	5	5	(0)	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	55	53	(2)	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	30	30	-	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	17	17	(0)	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	13	13	-	4
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	49	49	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	5	5	-	4
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	63	9	(54)	4
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	N/A
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	115	114	(1)	3
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	5	-	(5)	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	859	859	-	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	125	125	-	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	917	910	(7)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	468	504	36	4
38	HV	Distribution Cable	Distribution UG PILC	km	1,629	1,625	(5)	4
39	HV	Distribution Cable	Distribution Submarine Cable	km	2	2	0	4
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	39	58	19	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	113	113	-	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1,879	1,966	87	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	3,180	3,160	(20)	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	4,498	4,545	47	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,137	2,074	(63)	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	6,372	6,493	121	3
47	HV	Distribution Transformer	Voltage regulators	No.	5	5	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	5,963	6,010	47	3
49	LV	LV Line	LV OH Conductor	km	2,018	1,999	(19)	3
50	LV	LV Cable	LV UG Cable	km	3,419	3,469	50	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	227	233	6	4
52	LV	Connections	OH/UG consumer service connections	No.	325,747	327,691	1,944	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,777	1,777	-	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	111	132	21	2
55	All	Capacitor Banks	Capacitors including controls	No.	26	26	-	2
56	All	Load Control	Centralised plant	Lot	21	21	-	4
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	10	10	-	4

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Northern

**SCHEDULE 9a: ASSET REGISTER**

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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Data accuracy	
					year (quantity)	year (quantity)	Net change	1-4
8	All	Overhead Line	Concrete poles / steel structure	No.	62,387	62,713	326	3
9	All	Overhead Line	Wood poles	No.	2,707	2,671	(36)	3
10	All	Overhead Line	Other pole types	No.	1	38	37	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	331	327	(5)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	26	26	(0)	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	131	132	0	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	3	3	-	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	1	1	(0)	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	0	0	(0)	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	1	1	-	4
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	49	49	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	2	-	4
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	6	2	(4)	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	233	213	(20)	3
28	HV	Zone substation switchgear	33kV RMU	No.	8	11	3	3
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	86	101	15	3
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	205	188	(17)	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	461	467	6	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	81	81	-	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,919	2,915	(4)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	658	673	15	4
38	HV	Distribution Cable	Distribution UG PILC	km	645	648	3	4
39	HV	Distribution Cable	Distribution Submarine Cable	km	7	7	(0)	4
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	137	216	79	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	12	12	-	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6,723	6,791	68	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	766	756	(10)	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1,393	1,424	31	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,613	5,618	5	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	6,956	7,013	57	3
47	HV	Distribution Transformer	Voltage regulators	No.	7	7	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	6,161	6,216	55	3
49	LV	LV Line	LV OH Conductor	km	2,171	2,168	(2)	3
50	LV	LV Cable	LV UG Cable	km	2,020	2,069	49	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	137	156	19	4
52	LV	Connections	OH/UG consumer service connections	No.	212,266	214,492	2,226	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,432	1,424	(8)	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	83	99	16	2
55	All	Capacitor Banks	Capacitors including controls	No.	2	2	-	2
56	All	Load Control	Centralised plant	Lot	11	11	-	4
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	-	-	-	N/A









Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Vector

### SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

9			
10	<b>Circuit length by operating voltage (at year end)</b>	<b>Overhead (km)</b>	<b>Underground (km)</b>
11	> 66kV	26	47
12	50kV & 66kV	-	-
13	33kV	373	394
14	SWER (all SWER voltages)	-	-
15	22kV (other than SWER)	3	161
16	6.6kV to 11kV (inclusive—other than SWER)	3,825	3,426
17	Low voltage (< 1kV)	4,167	5,539
18	<b>Total circuit length (for supply)</b>	<b>8,394</b>	<b>9,567</b>
19			
20	Dedicated street lighting circuit length (km)	17	372
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		3,614
22			
23	<b>Overhead circuit length by terrain (at year end)</b>	<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
24	Urban	4,110	49%
25	Rural	4,284	51%
26	Remote only		-
27	Rugged only		-
28	Remote and rugged		-
29	Unallocated overhead lines		-
30	<b>Total overhead length</b>	<b>8,394</b>	<b>100%</b>
31			
32		<b>Circuit length (km)</b>	<b>(% of total circuit length)</b>
33	Length of circuit within 10km of coastline or geothermal areas (where known)	17,907	99.7%
34		<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
35	Overhead circuit requiring vegetation management	8,394	100%

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Southern

**SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES**

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

sch ref

9			
10	<b>Circuit length by operating voltage (at year end)</b>	<b>Overhead (km)</b>	<b>Underground (km)</b>
11	> 66kV		47
12	50kV & 66kV		-
13	33kV	46	258
14	SWER (all SWER voltages)		-
15	22kV (other than SWER)	3	161
16	6.6kV to 11kV (inclusive—other than SWER)	910	2,098
17	Low voltage (< 1kV)	1,999	3,469
18	<b>Total circuit length (for supply)</b>	<b>2,958</b>	<b>6,033</b>
19			
20	Dedicated street lighting circuit length (km)	5	228
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		2,102
22			
23	<b>Overhead circuit length by terrain (at year end)</b>	<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
24	Urban	2,459	83%
25	Rural	499	17%
26	Remote only		-
27	Rugged only		-
28	Remote and rugged		-
29	Unallocated overhead lines		-
30	<b>Total overhead length</b>	<b>2,958</b>	<b>100%</b>
31			
32		<b>Circuit length (km)</b>	<b>(% of total circuit length)</b>
33	Length of circuit within 10km of coastline or geothermal areas (where known)	8,992	100.0%
34		<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
35	Overhead circuit requiring vegetation management	2,958	100%

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Northern

**SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES**

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

sch ref

9			
10	<b>Circuit length by operating voltage (at year end)</b>	<b>Overhead (km)</b>	<b>Underground (km)</b>
11	> 66kV	26	
12	50kV & 66kV		
13	33kV	327	136
14	SWER (all SWER voltages)		
15	22kV (other than SWER)		
16	6.6kV to 11kV (inclusive—other than SWER)	2,915	1,328
17	Low voltage (< 1kV)	2,168	2,070
18	<b>Total circuit length (for supply)</b>	<b>5,436</b>	<b>3,534</b>
19			
20	Dedicated street lighting circuit length (km)	12	144
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			1,512
23	<b>Overhead circuit length by terrain (at year end)</b>	<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
24	Urban	1,651	30%
25	Rural	3,785	70%
26	Remote only		-
27	Rugged only		-
28	Remote and rugged		-
29	Unallocated overhead lines		-
30	<b>Total overhead length</b>	<b>5,436</b>	<b>100%</b>
31			
32		<b>Circuit length (km)</b>	<b>(% of total circuit length)</b>
33	Length of circuit within 10km of coastline or geothermal areas (where known)	8,915	99.4%
34		<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
35	Overhead circuit requiring vegetation management	5,436	100%

Company Name **Vector**  
 For Year Ended **31 March 2014**

**SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS**

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

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

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

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Vector

**SCHEDULE 9e: REPORT ON NETWORK DEMAND**

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

sch ref

8	<b>9e(i): Consumer Connections</b>		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	<b>Number of connections (ICPs)</b>	
11	Residential	2,383	
12	Commercial	3,594	
13	[EDB consumer type]		
14	[EDB consumer type]		
15	[EDB consumer type]		
16	* include additional rows if needed		
17	<b>Connections total</b>	<b>5,977</b>	
18			
19	<b>Distributed generation</b>		
20	Number of connections made in year	517	connections
21	Capacity of distributed generation installed in year	1.69	MVA
22	<b>9e(ii): System Demand</b>		
23			
24		<b>Demand at time of maximum coincident demand (MW)</b>	
25	<b>Maximum coincident system demand</b>		
26	GXP demand	1,736	
27	plus Distributed generation output at HV and above	10	
28	<b>Maximum coincident system demand</b>	<b>1,746</b>	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	<b>Demand on system for supply to consumers' connection points</b>	<b>1,746</b>	
31	<b>Electricity volumes carried</b>	<b>Energy (GWh)</b>	<b>Energy (GWh)</b>
32	Electricity supplied from GXPs	8,520	
33	less Electricity exports to GXPs		
34	plus Electricity supplied from distributed generation	96	
35	less Net electricity supplied to (from) other EDBs		
36	<b>Electricity entering system for supply to consumers' connection points</b>	<b>8,616</b>	
37	less Total energy delivered to ICPs	8,260	
38	<b>Electricity losses (loss ratio)</b>	<b>356</b>	<b>4.1%</b>
39			
40	<b>Load factor</b>	<b>0.56</b>	
41	<b>9e(iii): Transformer Capacity</b>		
42		<b>(MVA)</b>	
43	Distribution transformer capacity (EDB owned)	4,051	
44	Distribution transformer capacity (Non-EDB owned)	496	
45	<b>Total distribution transformer capacity</b>	<b>4,547</b>	
46			
47	<b>Zone substation transformer capacity</b>	<b>4,278</b>	

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Southern

**SCHEDULE 9e: REPORT ON NETWORK DEMAND**

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

sch ref

8	<b>9e(i): Consumer Connections</b>		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	<b>Number of connections (ICPs)</b>	
11	Residential	1,419	
12	Commercial	1,641	
13	[EDB consumer type]		
14	[EDB consumer type]		
15	[EDB consumer type]		
16	* include additional rows if needed		
17	<b>Connections total</b>	<b>3,060</b>	
18			
19	<b>Distributed generation</b>		
20	Number of connections made in year	204	connections
21	Capacity of distributed generation installed in year	0.73	MVA
22	<b>9e(ii): System Demand</b>		
23			
24		<b>Demand at time of maximum coincident demand (MW)</b>	
25	<b>Maximum coincident system demand</b>		
26	GXP demand	1,129	
27	plus Distributed generation output at HV and above	2	
28	<b>Maximum coincident system demand</b>	<b>1,131</b>	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	<b>Demand on system for supply to consumers' connection points</b>	<b>1,131</b>	
31	<b>Electricity volumes carried</b>	<b>Energy (GWh)</b>	<b>Energy (GWh)</b>
32	Electricity supplied from GXPs	5,875	
33	less Electricity exports to GXPs		
34	plus Electricity supplied from distributed generation	27	
35	less Net electricity supplied to (from) other EDBs		
36	<b>Electricity entering system for supply to consumers' connection points</b>	<b>5,901</b>	
37	less Total energy delivered to ICPs	5,674	
38	<b>Electricity losses (loss ratio)</b>	<b>227</b>	<b>3.8%</b>
39			
40	<b>Load factor</b>	<b>0.60</b>	
41	<b>9e(iii): Transformer Capacity</b>		
42		<b>(MVA)</b>	
43	Distribution transformer capacity (EDB owned)	2,588	
44	Distribution transformer capacity (Non-EDB owned)	286	
45	<b>Total distribution transformer capacity</b>	<b>2,874</b>	
46			
47	<b>Zone substation transformer capacity</b>	<b>2,894</b>	

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Northern

**SCHEDULE 9e: REPORT ON NETWORK DEMAND**

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

sch ref

8	<b>9e(i): Consumer Connections</b>		
9	Number of ICPs connected in year by consumer type		
10			<b>Number of connections (ICPs)</b>
11	Consumer types defined by EDB*		
12	Residential		964
13	Commercial		1,953
14	[EDB consumer type]		
15	[EDB consumer type]		
16	[EDB consumer type]		
17	* include additional rows if needed		
18	<b>Connections total</b>		<b>2,917</b>
19	<b>Distributed generation</b>		
20	Number of connections made in year	313	connections
21	Capacity of distributed generation installed in year	0.96	MVA
22	<b>9e(ii): System Demand</b>		
23			
24			<b>Demand at time of maximum coincident demand (MW)</b>
25	<b>Maximum coincident system demand</b>		
26	GXP demand	625	
27	plus Distributed generation output at HV and above	8	
28	<b>Maximum coincident system demand</b>	<b>633</b>	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	<b>Demand on system for supply to consumers' connection points</b>	<b>633</b>	
31	<b>Electricity volumes carried</b>		<b>Energy (GWh)</b>
32	Electricity supplied from GXPs	2,645	
33	less Electricity exports to GXPs		
34	plus Electricity supplied from distributed generation	69	
35	less Net electricity supplied to (from) other EDBs		
36	<b>Electricity entering system for supply to consumers' connection points</b>	<b>2,714</b>	
37	less Total energy delivered to ICPs	2,585	
38	<b>Electricity losses (loss ratio)</b>	<b>129</b>	<b>4.8%</b>
39			
40	<b>Load factor</b>	<b>0.49</b>	
41	<b>9e(iii): Transformer Capacity</b>		
42			<b>(MVA)</b>
43	Distribution transformer capacity (EDB owned)	1,464	
44	Distribution transformer capacity (Non-EDB owned)	210	
45	<b>Total distribution transformer capacity</b>	<b>1,674</b>	
46			
47	<b>Zone substation transformer capacity</b>	<b>1,384</b>	



Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Vector

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

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

sch ref

**10(i): Interruptions**

**Interruptions by class**

**Number of interruptions**

Class A (planned interruptions by Transpower)	
Class B (planned interruptions on the network)	1,249
Class C (unplanned interruptions on the network)	1,423
Class D (unplanned interruptions by Transpower)	25
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)	
<b>Total</b>	<b>2,697</b>

**Interruption restoration**

**≤3Hrs >3hrs**

Class C interruptions restored within	824	599
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**SAIFI and SAIDI by class**

**SAIFI SAIDI**

Class A (planned interruptions by Transpower)		
Class B (planned interruptions on the network)	0.14	23
Class C (unplanned interruptions on the network)	1.31	128
Class D (unplanned interruptions by Transpower)	0.14	7
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)		
<b>Total</b>	<b>1.59</b>	<b>158</b>

**Normalised SAIFI and SAIDI**

**Normalised SAIFI Normalised SAIDI**

Classes B & C (interruptions on the network)	1.45	141
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**Quality path normalised reliability limit**

**SAIFI reliability limit SAIDI reliability limit**

SAIFI and SAIDI limits applicable to disclosure year*	1.86	127
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\* not applicable to exempt EDBs

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

**Cause**

**SAIFI SAIDI**

Lightning	0.02	1.1
Vegetation	0.25	29.8
Adverse weather	0.05	8.7
Adverse environment	0.00	0.3
Third party interference	0.18	13.7
Wildlife	0.06	4.0
Human error	0.02	1.0
Defective equipment	0.49	54.7
Cause unknown	0.24	14.7

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

**Main equipment involved**

**SAIFI SAIDI**

Subtransmission lines	0.00	0.1
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.01	1.8
Distribution cables (excluding LV)	0.01	1.8
Distribution other (excluding LV)	0.12	19.4

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

**Main equipment involved**

**SAIFI SAIDI**

Subtransmission lines	0.17	4.7
Subtransmission cables	0.02	1.5
Subtransmission other	0.13	18.9
Distribution lines (excluding LV)	0.62	67.2
Distribution cables (excluding LV)	0.19	16.9
Distribution other (excluding LV)	0.18	18.6

**10(v): Fault Rate**

**Main equipment involved**

**Number of Faults Circuit length (km)**

**Fault rate (faults per 100km)**

Subtransmission lines	28	402	6.96
Subtransmission cables	6	570	1.05
Subtransmission other	23		
Distribution lines (excluding LV)	798	3,824	20.87
Distribution cables (excluding LV)	216	3,458	6.25
Distribution other (excluding LV)	352		
<b>Total</b>	<b>1,423</b>		

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Southern

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

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

sch ref

**10(i): Interruptions**

**Interruptions by class**

Number of interruptions	
Class A (planned interruptions by Transpower)	
Class B (planned interruptions on the network)	524
Class C (unplanned interruptions on the network)	459
Class D (unplanned interruptions by Transpower)	6
Class E (unplanned interruptions of EDB owned generation)	
Class F (unplanned interruptions of generation owned by others)	
Class G (unplanned interruptions caused by another disclosing entity)	
Class H (planned interruptions caused by another disclosing entity)	
Class I (interruptions caused by parties not included above)	
<b>Total</b>	<b>989</b>

**Interruption restoration**

	≤3Hrs	>3hrs
Class C interruptions restored within	288	171

**SAIFI and SAIDI by class**

	SAIFI	SAIDI
Class A (planned interruptions by Transpower)		
Class B (planned interruptions on the network)	0.09	5.3
Class C (unplanned interruptions on the network)	0.80	62.0
Class D (unplanned interruptions by Transpower)	0.11	5.7
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)		
<b>Total</b>	<b>1.00</b>	<b>73.0</b>

**Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
Classes B & C (interruptions on the network)	0.89	67.4

**Quality path normalised reliability limit**

	SAIFI reliability limit	SAIDI reliability limit
SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A

\* not applicable to exempt EDBs

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

**Cause**

	SAIFI	SAIDI
Lightning	0.01	1.3
Vegetation	0.15	12.8
Adverse weather	0.03	3.5
Adverse environment	0.01	0.6
Third party interference	0.10	8.6
Wildlife	0.05	1.9
Human error	0.00	0.1
Defective equipment	0.36	29.0
Cause unknown	0.08	4.3

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

**Main equipment involved**

	SAIFI	SAIDI
Subtransmission lines		
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.00	0.2
Distribution cables (excluding LV)	0.01	0.2
Distribution other (excluding LV)	0.08	4.9

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

**Main equipment involved**

	SAIFI	SAIDI
Subtransmission lines	0.05	0.5
Subtransmission cables	0.02	1.9
Subtransmission other	0.01	1.2
Distribution lines (excluding LV)	0.38	31.7
Distribution cables (excluding LV)	0.25	20.1
Distribution other (excluding LV)	0.09	6.7

**10(v): Fault Rate**

**Main equipment involved**

	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	7	49	14.28
Subtransmission cables	4	434	0.92
Subtransmission other	1		
Distribution lines (excluding LV)	242	910	26.61
Distribution cables (excluding LV)	126	2,130	5.91
Distribution other (excluding LV)	79		
<b>Total</b>	<b>459</b>		

Company Name	Vector
For Year Ended	31 March 2014
Network / Sub-network Name	Northern

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

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

sch ref

**10(i): Interruptions**

**Interruptions by class**

Number of interruptions	
Class A (planned interruptions by Transpower)	
Class B (planned interruptions on the network)	725
Class C (unplanned interruptions on the network)	964
Class D (unplanned interruptions by Transpower)	19
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)	
<b>Total</b>	<b>1,708</b>

**Interruption restoration**

	≤3Hrs	>3hrs
Class C interruptions restored within	536	428

**SAIFI and SAIDI by class**

	SAIFI	SAIDI
Class A (planned interruptions by Transpower)		
Class B (planned interruptions on the network)	0.22	50.2
Class C (unplanned interruptions on the network)	2.10	229
Class D (unplanned interruptions by Transpower)	0.18	8.2
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)		
<b>Total</b>	<b>2.50</b>	<b>287.4</b>

**Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
Classes B & C (interruptions on the network)	2.31	250

**Quality path normalised reliability limit**

	SAIFI reliability limit	SAIDI reliability limit
SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A

\* not applicable to exempt EDBs

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

**Cause**

	SAIFI	SAIDI
Lightning	0.02	0.75
Vegetation	0.40	55.9
Adverse weather	0.06	16.5
Adverse environment		
Third party interference	0.30	21.5
Wildlife	0.09	7.1
Human error	0.05	2.3
Defective equipment	0.69	94.0
Cause unknown	0.48	30.6

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

**Main equipment involved**

	SAIFI	SAIDI
Subtransmission lines	-	0.2
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.01	4.2
Distribution cables (excluding LV)	0.02	4.2
Distribution other (excluding LV)	0.18	41.6

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

**Main equipment involved**

	SAIFI	SAIDI
Subtransmission lines	0.36	11.1
Subtransmission cables	0.02	0.9
Subtransmission other	0.30	46.1
Distribution lines (excluding LV)	0.99	122
Distribution cables (excluding LV)	0.10	12.0
Distribution other (excluding LV)	0.31	36.8

**10(v): Fault Rate**

**Main equipment involved**

	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	21	353	5.94
Subtransmission cables	2	137	1.46
Subtransmission other	22		
Distribution lines (excluding LV)	556	2,915	19.07
Distribution cables (excluding LV)	90	1,328	6.78
Distribution other (excluding LV)	273		
<b>Total</b>	<b>964</b>		