



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

Company Name	<input type="text" value="Vector"/>
Disclosure Date	<input type="text" value="21 August 2013"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2013"/>

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

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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 start of the disclosure year and a copy provided to the Commission within 5 working days of being disclosed to the public.

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 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

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

The template for schedule 8 may require additional columns to be inserted. To avoid interfering with the title block entries, these should be inserted to the left of column S.

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 subnetwork 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-5i
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

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 Gas Transmission 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

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. The CY-1 and CY-2 columns do not need to be completed until the 2013 and 2014 disclosure years respectively.

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 2013**

SCHEDULE 1: ANALYTICAL RATIOS

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

sch ref

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)
Operational expenditure	11,348	177	55,589	5,329	23,707
Network	3,831	60	18,765	1,799	8,003
Non-network	7,517	118	36,823	3,530	15,704
Expenditure on assets	17,686	277	86,635	8,305	36,947
Network	16,474	258	80,698	7,736	34,415
Non-network	1,212	19	5,937	569	2,532

17 1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	72,499	1,133
Standard consumer line charge revenue	69,693	1,090
Non-standard consumer line charge revenue	2,805	44

23 1(iii): Service intensity measures

Demand density	96	Maximum coincident system demand per km circuit length (for supply) (kW/km)
Volume density	470	Total energy delivered to ICPs per km circuit length (for supply) (MWh/km)
Connection point density	30	Average number of ICPs per km circuit length (for supply) (ICPs/km)
Energy intensity	15,635	Total energy delivered to ICPs per Average number of ICPs (kWh/ICP)

31 1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	95,112	15.57%
Pass-through and recoverable costs	188,980	30.94%
Total depreciation	84,718	13.87%
Total revaluation	21,339	3.49%
Regulatory tax allowance	68,039	11.14%
Regulatory profit/loss	194,714	31.88%
Total regulatory income	610,726	

41 1(v): Reliability

	Interruptions per 100 circuit km
Interruption rate	12.05

Company Name **Vector**
 For Year Ended **31 March 2013**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

sch ref

		CY-2	CY-1	Current Year CY
		31 Mar 11	31 Mar 12	31 Mar 13
		%	%	%
7	2(i): Return on Investment			
8				
9	Post tax WACC			
10	ROI—comparable to a post tax WACC		7.34%	6.89%
11				
12	Mid-point estimate of post tax WACC		6.40%	5.85%
13	25th percentile estimate		5.68%	5.13%
14	75th percentile estimate		7.11%	6.56%
15				
16				
17	Vanilla WACC			
18	ROI—comparable to a vanilla WACC		8.17%	7.67%
19				
20	Mid-point estimate of vanilla WACC		7.22%	6.62%
21	25th percentile estimate		6.51%	5.91%
22	75th percentile estimate		7.94%	7.34%
23				
24	2(ii): Information Supporting the ROI			
25				
26	Total opening RAB value	2,489,280		
27	plus Opening deferred tax	(30,820)		
28	Opening RIV		2,458,460	
29				
30	Operating surplus / (deficit)	326,634		
31	less Regulatory tax allowance	68,039		
32	less Assets commissioned	113,902		
33	plus Asset disposals	3,348		
34	Notional net cash flows		148,041	
35				
36	Total closing RAB value	2,536,404		
37	less Adjustment resulting from asset allocation	(51)		
38	less Lost and found assets adjustment	-		
39	plus Closing deferred tax	(43,155)		
40	Closing RIV		2,493,300	
41				
42	ROI—comparable to a vanilla WACC		7.67%	
43				
44	Leverage (%)		44%	
45	Cost of debt assumption (%)		6.31%	
46	Corporate tax rate (%)		28%	
47				
48	ROI—comparable to a post tax WACC		6.89%	

Company Name	Vector
For Year Ended	31 March 2013

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

sch ref

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	48,309	25,667		6,501	357	16,498
May	55,477	23,740		5,340	195	26,592
June	59,692	21,526		14,094	234	24,306
July	64,640	25,119		6,956	211	32,776
August	61,910	24,598		9,682	349	27,979
September	55,732	24,397		8,423	319	23,231
October	51,335	24,559		10,241	275	16,810
November	45,512	24,321	6,804	8,828	569	6,128
December	43,746	24,127		8,741	127	11,005
January	42,123	21,760		5,969	299	14,693
February	40,390	24,110		9,587	137	6,830
March	41,860	20,168	61,235	19,540	276	(58,807)
Total	610,726	284,092	68,039	113,902	3,348	148,041

	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	2,489,280			(30,820)	43,123	2,501,583
Monthly ROI -closing RIV	2,536,404	(51)	-	(43,155)	41,860	2,535,059
Monthly ROI -closing RIV less term credit spread differential allowance						2,534,557
Monthly ROI—comparable to a vanilla WACC						7.60%
Monthly ROI—comparable to a post-tax WACC						6.82%

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

Year-end ROI—comparable to a vanilla WACC	7.74%
Year-end ROI—comparable to a post-tax WACC	6.96%

* 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 2013**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete 3(i), 3(iv) and 3(v) and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

Non-exempt EDBs must also complete sections 3(ii) and 3(iii).

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

sch ref

3(i): Regulatory Profit		(5000)
7	Income	
8	Line charge revenue	607,644
9	<i>plus</i> Gains / (losses) on asset disposals	(3,008)
10	<i>plus</i> Other regulated income (other than gains / (losses) on asset disposals)	6,090
11		
12		
13	Total regulatory income	610,726
14	Expenses	
15	<i>less</i> Operational expenditure	95,112
16		
17	<i>less</i> Pass-through and recoverable costs	188,980
18		
19	Operating surplus / (deficit)	326,634
20		
21	<i>less</i> Total depreciation	84,718
22		
23	<i>plus</i> Total revaluation	21,339
24		
25	Regulatory profit / (loss) before tax & term credit spread differential allowance	263,255
26		
27	<i>less</i> Term credit spread differential allowance	501
28		
29	Regulatory profit / (loss) before tax	262,753
30		
31	<i>less</i> Regulatory tax allowance	68,039
32		
33	Regulatory profit / (loss)	194,714
34		
35	3(ii): Pass-Through and Recoverable Costs	(5000)
36	Pass-through costs	
37	Rates	5,091
38	Commerce Act levies	594
39	Electricity Authority levies	1,482
40	Other specified pass-through costs	303
41	Recoverable costs	
42	Net recoverable costs allowed under incremental rolling incentive scheme	-
43	Non-exempt EDB electricity lines service charge payable to Transpower	160,479
44	Transpower new investment contract charges	5,025
45	System operator services	6,090
46	Avoided transmission charge	9,916
47	Input Methodology claw-back	-
48	Recoverable customised price-quality path costs	-
49	Pass-through and recoverable costs	188,980

Company Name **Vector**
 For Year Ended **31 March 2013**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete 3(i), 3(iv) and 3(v) and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

Non-exempt EDBs must also complete sections 3(ii) and 3(iii).

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

sch ref

		(\$000)	
		CY-1	CY
		31 March 2012	31 March 2013
57	3(iii): Incremental Rolling Incentive Scheme		
58			
59			
60	Allowed controllable opex	-	-
61	Actual controllable opex	-	-
62			
63	Incremental change in year		-
64			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
65			
66	CY-5 31 Mar 08	-	-
67	CY-4 31 Mar 09	-	-
68	CY-3 31 Mar 10	-	-
69	CY-2 31 Mar 11	-	-
70	CY-1 31 Mar 12	-	-
71	Net incremental rolling incentive scheme		-
72			
73	Net recoverable costs allowed under incremental rolling incentive scheme		-
74	3(iv): Merger and Acquisition Expenditure		
75	Merger and acquisition expenses		-
76			
77	Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)		
78	3(v): Other Disclosures		
79	Self-insurance allowance		-

Company Name **Vector**
 For Year Ended **31 March 2013**

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

	RAB CY-4 (\$000)	RAB CY-3 (\$000)	RAB CY-2 (\$000)	RAB CY-1 (\$000)	RAB CY (\$000)
4(i): Regulatory Asset Base Value (Rolled Forward)					
Total opening RAB value	2,273,866	2,364,452	2,364,452	2,453,324	2,489,280
less Total depreciation		80,507	82,989	87,420	84,718
plus Total revaluations		46,435	56,914	38,147	21,339
plus Assets commissioned		131,577	121,346	102,442	113,902
less Asset disposals		6,879	7,255	17,091	3,348
plus Lost and found assets adjustment					
plus Adjustment resulting from asset allocation		(40)	856	(122)	(51)
Total closing RAB value		2,364,452	2,453,324	2,489,280	2,536,404

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
4(ii): Unallocated Regulatory Asset Base				
Total opening RAB value		2,499,696		2,489,280
less Total depreciation		88,808		84,718
plus Total revaluations		21,418		21,339
plus Assets commissioned (other than below)	117,497		113,902	
Assets acquired from a regulated supplier				
Assets acquired from a related party				
Assets commissioned		117,497		113,902
less Asset disposals (other than below)	3,349		3,348	
Asset disposals to a regulated supplier				
Asset disposals to a related party				
Asset disposals		3,349		3,348
plus Lost and found assets adjustment				
plus Adjustment resulting from asset allocation				(51)
Total closing RAB value		2,546,454		2,536,404

* 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.

4(iii): Calculation of Revaluation Rate and Revaluation of Assets		
CPI _t		1,174
CPI _{t-4}		1,164
Revaluation rate (%)		0.86%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	2,499,696		2,489,280	
less Opening RAB value of fully depreciated, disposed and lost assets	6,632		5,460	
Total opening RAB value subject to revaluation	2,493,064		2,483,820	
Total revaluations		21,418		21,339

	Unallocated works under construction		Allocated works under construction	
4(iv): Roll Forward of Works Under Construction				
Works under construction—preceding disclosure year		46,188		46,058
plus Capital expenditure	130,964		126,902	
less Assets commissioned	117,497		113,902	
plus Adjustment resulting from asset allocation			14	
Works under construction - current disclosure year		59,655		59,072
Highest rate of capitalised finance applied				6.56%

Company Name **Vector**
 For Year Ended **31 March 2013**

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	75,102	-	75,102	-
92 Depreciation - no standard life assets	13,706	-	9,616	-
93 Depreciation - modified life assets				
94 Depreciation - alternative depreciation in accordance with CPP				
95 Total depreciation		88,808		84,718

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

(\$000 unless otherwise specified)

98 Asset or assets with changes to depreciation*	99 Reason for non-standard depreciation (text entry)	Closing RAB value	
		Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation
100			
101			
102			
103			
104			
105			
106			

* 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 Total opening RAB value										-
111 less Total depreciation										-
112 plus Total revaluations										-
113 plus Assets commissioned										-
114 less Asset disposals										-
115 plus Lost and found assets adjustment										-
116 plus Adjustment resulting from asset allocation										-
117 plus Asset category transfers										-
118 Total closing RAB value	83,671	411,331	202,404	264,808	728,362	248,515	136,838	431,637	28,838	2,536,404
120 Asset Life										
121 Weighted average remaining asset life	48.3	49.7	35.4	40.7	37.7	37.2	28.2	31.9	11.7	(years)
122 Weighted average expected total asset life	59.1	69.1	44.7	57.9	60.8	45.0	38.8	41.7	17.2	(years)

Company Name **Vector**
For Year Ended **31 March 2013**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

sch ref

7	5a(i): Regulatory Tax Allowance		(\$000)
8	Regulatory profit / (loss) before tax		262,753
9			
10	<i>plus</i> 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	196 *	
12	Amortisation of initial differences in asset values	35,370	
13	Amortisation of revaluations	4,598	
14			49,016
15			
16	<i>less</i> Income included in regulatory profit / (loss) before tax but not taxable	14 *	
17	Discretionary discounts and consumer rebates	-	
18	Expenditure or loss deductible but not in regulatory profit / (loss) before tax**	- *	
19	Notional deductible interest	68,758	
20			68,772
21			
22	Regulatory taxable income		242,997
23			
24	<i>less</i> Utilised tax losses	-	
25	Regulatory net taxable income		242,997
26			
27	Corporate tax rate (%)	0.28	
28	Regulatory tax allowance		68,039
29			
30	* Workings to be provided in Schedule 14		
31	** Excluding discretionary discounts and consumer rebates		
32	5a(ii): Disclosure of Permanent Differences		
33	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).		
34	5a(iii): Amortisation of Initial Difference in Asset Values		(\$000)
35			
36	Opening unamortised initial differences in asset values	1,298,795	
37	Amortisation of initial differences in asset values	35,370	
38	Adjustment for unamortised initial differences in assets acquired	-	
39	Adjustment for unamortised initial differences in assets disposed	115	
40	Closing unamortised initial differences in asset values		1,263,539
41			
42	Opening weighted average remaining asset life (years)		37
43	5a(iv): Amortisation of Revaluations		(\$000)
44			
45	Opening Sum of RAB values without revaluations	2,347,029	
46			
47	Adjusted depreciation	80,120	
48	Total depreciation	84,718	
49	Amortisation of revaluations		4,598
50			
51			
52			
53			
54			
55			
56			
57	5a(v): Reconciliation of Tax Losses		(\$000)
58			
59	Opening tax losses	-	
60	<i>plus</i> Current period tax losses	-	
61	<i>less</i> Utilised tax losses	-	
62	Closing tax losses		-

Company Name **Vector**
 For Year Ended **31 March 2013**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

sch ref

63	5a(vi): Calculation of Deferred Tax Balance		(\$000)
64			
65	Opening deferred tax	(30,820)	
66			
67	<i>plus</i> Tax effect of adjusted depreciation	22,434	
68			
69	<i>less</i> Tax effect of total tax depreciation	23,879	
70			
71	<i>plus</i> Tax effect of other temporary differences*	(1,166)	
72			
73	<i>less</i> Tax effect of amortisation of initial differences in asset values	9,904	
74			
75	<i>plus</i> Deferred tax balance relating to assets acquired in the disclosure year	-	
76			
77	<i>less</i> Deferred tax balance relating to assets disposed in the disclosure year	46	
78			
79	<i>plus</i> Deferred tax cost allocation adjustment	226	
80			
81	Closing deferred tax		(43,155)
82			
83	5a(vii): Disclosure of Temporary Differences		
84	In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).		
85			
86	5a(viii): Regulatory Tax Asset Base Roll-Forward		
87			(\$000)
88	Opening sum of regulatory tax asset values	939,978	
89	<i>less</i> Tax depreciation	85,282	
90	<i>plus</i> Regulatory tax asset value of assets commissioned	115,400	
91	<i>less</i> Regulatory tax asset value of asset disposals	3,510	
92	<i>plus</i> Lost and found assets adjustment	-	
93	<i>plus</i> Other adjustments to the RAB tax value	378	
94	Closing sum of regulatory tax asset values		966,964

Company Name **Vector**
 For Year Ended **31 March 2013**

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

5b(i): Summary—Related Party Transactions		(\$000)
7	Total regulatory income	-
8	Operational expenditure	10,412
9	Capital expenditure	-
10	Market value of asset disposals	-
11	Other related party transactions	-
12		-

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

** include additional rows if needed*

5b(iii): Related Party Transactions					
Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value	
22				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.	
23	Vector Communications Limited	Opex	Purchase of telecommunications services	6,223	
24	Tree Scape Limited	Opex	Purchase of vegetation management services	4,189	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.

** include additional rows if needed*

Company Name **Vector**
 For Year Ended **31 March 2013**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

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

sch ref

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9

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

10
11

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-May-09	5.4	7.8	150,000	155,935	[]VCI	[]VCI	[]VCI
Capital bonds – fixed coupon		14-Jun-12	5.0	7	262,651	262,076	[]VCI	[]VCI	[]VCI
Floating rate notes		4-Apr-07	10	BKBM + []VCI	200,000		[]VCI	[]VCI	[]VCI
		26-Oct-05	10	BKBM + []VCI	250,000		[]VCI	[]VCI	[]VCI
		26-Oct-05	12	BKBM + []VCI	400,000		[]VCI	[]VCI	[]VCI
		26-Oct-05	15	BKBM + []VCI	350,000		[]VCI	[]VCI	[]VCI
Subtotal of floating rate notes					1,200,000	1,150,712			
Medium term notes – GBP fixed rate		8-Apr-08	10.8	7.625	285,614	222,050	[]VCI	[]VCI	[]VCI
Senior notes - USD fixed rate		19-Jul-04	8	5.04	22,817		[]VCI	[]VCI	[]VCI
Senior notes - USD fixed rate		19-Jul-04	12	5.51	98,875		[]VCI	[]VCI	[]VCI
Senior notes - USD fixed rate		19-Jul-04	15	5.75	296,623		[]VCI	[]VCI	[]VCI
Senior notes - USD fixed rate		22-Sep-10	12	[]VCI	250,516		[]VCI	[]VCI	[]VCI
Subtotal of senior notes - USD fixed rate					668,831	665,265			
Bank loans		3-Feb-12	3	BKBM + []VCI					
		3-Feb-12	3	BKBM + []VCI					
		29-Jul-10	3	BKBM + []VCI					
Subtotal of bank loans							(299)		
Working capital loans		17-Dec-10	3	BKBM + []VCI					
		17-Dec-10	3	BKBM + []VCI					
Subtotal of working capital loan							(328)		
Total									
					2,455,411		[]VCI	[]VCI	[]VCI

12
13
14
15
16
17

* include additional rows if needed

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

18
19
20
21
22
23
24
25
26
27

Gross term credit spread differential	1,114
Total book value of interest bearing debt	2,455,411
Leverage	44%
Average opening and closing RAB values	2,512,842
Attribution Rate (%)	45%
Term credit spread differential allowance	501

Company Name **Vector**
 For Year Ended **31 March 2013**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

5d(i): Operating Cost Allocations

	Value allocated (\$000s)			
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total
Service interruptions and emergencies				
Directly attributable		7,924		
Not directly attributable				
Total attributable to regulated service		7,924		
Vegetation management				
Directly attributable				
Not directly attributable				
Total attributable to regulated service				
Routine and corrective maintenance and inspection				
Directly attributable		14,344		
Not directly attributable				
Total attributable to regulated service		14,344		
Asset replacement and renewal				
Directly attributable		9,839		
Not directly attributable				
Total attributable to regulated service		9,839		
System operations and network support				
Directly attributable		33,120		
Not directly attributable		3,098	1,325	4,423
Total attributable to regulated service		36,218		
Business support				
Directly attributable		425		
Not directly attributable		26,362	19,790	46,152
Total attributable to regulated service		26,787		
Operating costs directly attributable		65,652		
Operating costs not directly attributable		29,460	21,115	50,575
Operating expenditure		95,112		

5d(ii): Other Cost Allocations

Pass through and recoverable costs				
Pass through costs				
Directly attributable		7,470		
Not directly attributable				
Total attributable to regulated service		7,470		
Recoverable costs				
Directly attributable		181,510		
Not directly attributable				
Total attributable to regulated service		181,510		

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

			(\$000)	
			CY-1	Current Year (CY)
			31 Mar 12	31 Mar 13
Change in cost allocation 1				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference		
Rationale for change				
Change in cost allocation 2				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference		
Rationale for change				
Change in cost allocation 3				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference		
Rationale for change				

* 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 2013**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

5e(i): Regulated Service Asset Values		Value allocated (\$000s) Electricity distribution services
7		
8		
9		
10	Subtransmission lines	
11	Directly attributable	83,671
12	Not directly attributable	-
13	Total attributable to regulated service	83,671
14	Subtransmission cables	
15	Directly attributable	411,331
16	Not directly attributable	-
17	Total attributable to regulated service	411,331
18	Zone substations	
19	Directly attributable	202,404
20	Not directly attributable	-
21	Total attributable to regulated service	202,404
22	Distribution and LV lines	
23	Directly attributable	264,808
24	Not directly attributable	-
25	Total attributable to regulated service	264,808
26	Distribution and LV cables	
27	Directly attributable	728,362
28	Not directly attributable	-
29	Total attributable to regulated service	728,362
30	Distribution substations and transformers	
31	Directly attributable	248,515
32	Not directly attributable	-
33	Total attributable to regulated service	248,515
34	Distribution switchgear	
35	Directly attributable	136,838
36	Not directly attributable	-
37	Total attributable to regulated service	136,838
38	Other network assets	
39	Directly attributable	431,637
40	Not directly attributable	-
41	Total attributable to regulated service	431,637
42	Non-network assets	
43	Directly attributable	10,759
44	Not directly attributable	18,079
45	Total attributable to regulated service	28,838
46		
47	Regulated service asset value directly attributable	2,518,325
48	Regulated service asset value not directly attributable	18,079
49	Total closing RAB value	2,536,404

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
		31 Mar 12	31 Mar 13
57			
58			
59			
60	Change in asset value allocation 1		
61	Asset category	-	-
62	Original allocator or line items	-	-
63	New allocator or line items	-	-
64			
65	Rationale for change		
66			
67			
68	Change in asset value allocation 2		
69	Asset category	-	-
70	Original allocator or line items	-	-
71	New allocator or line items	-	-
72			
73	Rationale for change		
74			
75			
76			
77	Change in asset value allocation 3		
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 2013**

SCHEDULE 5h: REPORT ON TRANSITIONAL FINANCIAL INFORMATION

This schedule requires information on:

- the calculation of the initial RAB value for the EDB, as of 31 March 2009;
- how the initial RAB value has been rolled forward to 31 March 2011 and 2012;
- a summary of revaluations,
- the value of works under construction, and
- regulatory tax.

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

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

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

	Unallocated Initial RAB	
	(\$000)	(\$000)
2009 disclosed assets - 'Total Regulatory Asset Base Value (Excluding FDC)' as of 31 March 2009		2,067,750
2009 modified asset values (adjusted for results of asset adjustment process)		2,209,552
Adjustment to reinstate 2009 modified asset values to unallocated amounts	23,006	
Unallocated 2009 modified asset values		2,232,558
<i>less</i> (to the extent included in row 13)		
Assets not used to supply electricity distribution services		
Easement land		
Non-qualifying intangible assets		
Works under construction		
Unallocated asset values excluded from unallocated 2009 modified asset values		-
<i>plus</i> FDC allowance of 2.45% (Network assets)		53,794
Unallocated initial RAB values		2,286,352

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

	2010		2011		2012	
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value		2,286,352		2,375,031		2,462,780
<i>less</i>						
Total depreciation		85,660		87,555		92,153
<i>plus</i>						
Total revaluations		46,609		57,111		38,269
<i>plus</i>						
Assets commissioned (other than below)	134,609		125,461		107,890	
Assets acquired from a regulated supplier	-		-		-	
Assets acquired from a related party	-		-		-	
Assets commissioned		134,609		125,461		107,890
<i>less</i>						
Asset disposals (other than below)	6,879		7,268		5,651	
Assets disposed of to a regulated supplier	-		-		11,439	
Assets disposed of to a related party	-		-		-	
Asset disposals		6,879		7,268		17,090
<i>plus</i> Lost and found assets adjustment		-		-		-
Total closing RAB value		2,375,031		2,462,780		2,499,696

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

	(\$000 unless otherwise specified)		
	2010	2011	2012
CPI at CPI reference date—preceding disclosure year	1,097	1,119	1,146
CPI at CPI reference date—current disclosure year	1,119	1,146	1,164
Revaluation rate (%)	2.05%	2.42%	1.57%
<i>less</i>			
Total opening RAB value	2,286,352	2,375,031	2,462,780
Opening RAB value of fully depreciated, disposed and lost assets	12,686	13,745	26,494
Total opening RAB value subject to revaluation	2,273,666	2,361,286	2,436,286
Total revaluations		46,531	
			57,104
			38,266

Company Name **Vector**
 For Year Ended **31 March 2013**

SCHEDULE 5h: REPORT ON TRANSITIONAL FINANCIAL INFORMATION

This schedule requires information on:

- the calculation of the initial RAB value for the EDB, as of 31 March 2009;
- how the initial RAB value has been rolled forward to 31 March 2011-2012;
- a summary of revaluations,
- the value of works under construction, and
- regulatory tax.

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

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

71

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

	Unallocated works under construction	Allocated works under construction
Works under construction—year ended 2009	71,831	71,495
plus Capital expenditure—year ended 2010	102,862	99,182
less Assets commissioned—year ended 2010	134,609	131,577
plus Adjustment resulting from asset allocation—year ended 2010		(99)
Works under construction—year ended 2010	40,084	39,001
plus Capital expenditure—year ended 2011	132,595	128,130
less Assets commissioned—year ended 2011	125,461	121,346
plus Adjustment resulting from asset allocation—year ended 2011		(456)
Works under construction—year ended 2011	47,218	45,329
plus Capital expenditure—year ended 2012	106,860	102,972
less Assets commissioned—year ended 2012	107,890	102,442
plus Adjustment resulting from asset allocation—year ended 2012		199
Works under construction—year ended 2012	46,188	46,058

89 **5h(v): Initial Difference in Asset Values and Amortisation**

	2010	2011	2012
Sum of initial RAB values	2,273,866		
Sum of regulatory tax asset values	847,254		
Sum of initial differences in asset values	1,426,612		
Opening unamortised initial differences in asset values	1,426,612	1,387,248	1,347,910
less Amortisation of initial difference in asset values	35,800	35,653	35,640
Adjustment for unamortised initial differences in assets acquired	-	-	-
Adjustment for unamortised initial differences in assets disposed	(3,564)	(3,686)	(13,475)
Closing unamortised initial differences in asset values	1,387,248	1,347,910	1,298,795
Opening weighted-average-remaining-asset-life (years) weighted average remaining useful life of relevant assets (years)	40	39	38

109 **5h(vi): Reconciliation of Tax Losses (EDB Business)**

	2010	2011	2012
Opening tax losses		-	-
plus Current period tax losses	-	-	-
less Utilised tax losses	-	-	-
Closing tax losses	-	-	-

115 **5h(vii): Calculation of Deferred Tax Balance**

	2010	2011	2012
Opening deferred tax		(8,395)	(20,623)
plus Tax effect of adjusted depreciation	24,152	24,367	23,443
plus Tax effect of total tax depreciation - [PER ISSUES REGISTER #253 - ENTER AS A NEGATIVE NUMBER]	(24,817)	(26,198)	(24,452)
plus Tax effect of other temporary differences *	1,011	(572)	115
less Tax effect of amortisation of initial differences in asset values	10,740	10,696	9,979
plus Deferred tax balance relating to assets acquired / [disposed] in the disclosure year	1,906	1,093	570
plus Deferred tax cost allocation adjustment	93	(222)	106
Closing deferred tax	(8,395)	(20,623)	(30,820)

Vector:
manually corrected the formula for 2010 and 2011 based on Issue Register #265 (rate and column linked incorrect).

Vector:
Error corrected in formula for 2011 and 2012 not picking up opening balance.

131 **5h(viii): Disclosure of Temporary Differences**

In Schedule 14, provide descriptions and workings of items recorded in the asterisked category in Schedule 5h(vii) (Tax effect of other temporary differences).

133 **5h(ix): Regulatory Tax Asset Base Roll-Forward**

	2010	2011	2012
Sum of unallocated initial RAB values	2,286,352		
Sum of adjusted tax values	858,759		
Sum of tax asset values	858,759		
Result of asset allocation ratio	0.9866		
Opening Sum of regulatory tax asset values	847,254	900,957	937,034
less Regulatory tax depreciation	82,724	87,327	87,329
plus Regulatory tax asset value of assets commissioned	139,742	126,665	94,630
less Regulatory tax asset value of asset disposals	3,315	3,570	3,616
plus Lost and found assets adjustment	-	-	-
plus Other adjustments to the RAB tax value	-	309	(741)
Closing sum of regulatory tax asset values	900,957	937,034	939,978

Company Name **Vector**
 For Year Ended **31 March 2013**

SCHEDULE 5i: REPORT ON INITIAL RAB ADJUSTMENT

Under clause 2.2.1 of the IM determination an EDB may undertake an asset adjustment process in setting their initial RAB.
 If the EDB has adjusted its RAB in accordance with clause 2.2.1 of the IM determination, it must complete this schedule when disclosing information relating to the year ending 31 March 2012.

sch ref

7 Summary of Engineer's Valuation Adjustments (at time asset enters regulatory asset register)		2004 *	2005	2006	2007	2008	2009
8		(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
9	Asset adjustment process - adjustments						
10							
11	Include load control relays						-
12	Correct asset register errors for 2004 ODV assets						
13	Adjustment to correct road classifications of LV cables - Impact on traffic multiplier	1,793					
14	Adjustment to correct road classifications of LV cables - Impact on business district multiplier	2,843					
15	Adjustment to correct remaining life calculation	1,314					
16	Intangible assets (excluding goodwill)	7,174					
17	Intangible assets disallowed	(1,023)					
18		12,101					
19	Correct asset register errors for 2005 – 2009 assets						
20							
21							
22	Re-apply an existing multiplier to 2004 ODV assets						
23	Adjustment to rocky ground multiplier for cables	24,742					
24							
25							
26		24,742					
27	Re-apply a modified multiplier to 2004 ODV assets						
28	Adjustment to business district multiplier for cables	80,665					
29							
30							
31		80,665					
32	Re-apply optimisation or EV tests to 2004 ODV assets						
33							
34							
35							
36							
37							
38	Total value of adjustments by disclosure year	117,508	-	-	-	-	-

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

Company Name **Vector**
 For Year Ended **31 March 2013**

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

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

sch ref

7	6a(i): Expenditure on Assets		(\$000)	(\$000)
8	Consumer connection			20,531
9	System growth			40,611
10	Asset replacement and renewal			58,383
11	Asset relocations			18,185
12	Reliability, safety and environment:			
13	Quality of supply		364	
14	Legislative and regulatory		-	
15	Other reliability, safety and environment		-	
16	Total reliability, safety and environment			364
17	Expenditure on network assets			138,074
18	Non-network assets			10,158
19				
20	Expenditure on assets			148,232
21	plus Cost of financing			2,559
22	less Value of capital contributions			23,889
23	plus Value of vested assets			-
24				
25	Capital expenditure			126,902
26	6a(ii): Subcomponents of Expenditure on Assets (where known)			(\$000)
27	Energy efficiency and demand side management, reduction of energy losses			-
28	Overhead to underground conversion			11,618
29	Research and development			-
30	6a(iii): Consumer Connection			
31	Consumer types defined by EDB*		(\$000)	(\$000)
32				
33				
34				
35				
36				
37	* include additional rows if needed			
38	Consumer connection expenditure			-
39				
40	less Capital contributions funding consumer connection expenditure			-
41	Consumer connection less capital contributions			-
42	6a(iv): System Growth and Asset Replacement and Renewal			
43			System Growth	Asset Replacement and
44			(\$000)	Renewal
45	Subtransmission			
46	Zone substations			
47	Distribution and LV lines			
48	Distribution and LV cables			
49	Distribution substations and transformers			
50	Distribution switchgear			
51	Other network assets			
52	System growth and asset replacement and renewal expenditure			-
53	less Capital contributions funding system growth and asset replacement and renewal			-
54	System growth and asset replacement and renewal less capital contributions			-
55				
56	6a(v): Asset Relocations			
57	Project or programme*		(\$000)	(\$000)
58				
59				
60				
61				
62				
63	* include additional rows if needed			
64	All other asset relocations projects or programmes			
65	Asset relocations expenditure			-
66	less Capital contributions funding asset relocations			-
67	Asset relocations less capital contributions			-
75	6a(vi): Quality of Supply			
76	Project or programme*		(\$000)	(\$000)
77				
78				

Company Name **Vector**
 For Year Ended **31 March 2013**

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

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

sch ref				
79				
80				
81				
82				
	<i>* include additional rows if needed</i>			
83	All other quality of supply projects or programmes			
84	Quality of supply expenditure			-
85	<i>less</i> Capital contributions funding quality of supply			
86	Quality of supply less capital contributions			-
87	6a(vii): Legislative and Regulatory			
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			
96	Legislative and regulatory expenditure			-
97	<i>less</i> Capital contributions funding legislative and regulatory			
98	Legislative and regulatory less capital contributions			-
99	6a(viii): Other Reliability, Safety and Environment			
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	Other reliability, safety and environment expenditure			-
109	<i>less</i> Capital contributions funding other reliability, safety and environment			
110	Other reliability, safety and environment less capital contributions			-
111				
112	6a(ix): Non-Network Assets			
113	Routine expenditure			
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			
122	Routine expenditure			-
123	Atypical expenditure			
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			
132	Atypical expenditure			-
133				
134	Non-network assets expenditure			-

Company Name **Vector**
 For Year Ended **31 March 2013**

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

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

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

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	7,924	
9	Vegetation management	-	
10	Routine and corrective maintenance and inspection	14,344	
11	Asset replacement and renewal	9,839	
12	Network opex		32,107
13	System operations and network support	36,218	
14	Business support	26,787	
15	Non-network opex		63,005
16			
17	Operational expenditure		95,112
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		-
20	Direct billing*		-
21	Research and development		-
22	Insurance		-
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Vector
For Year Ended	31 March 2013

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

	Target (\$000) ¹	Actual (\$000)	% variance
7(i): Revenue			
Line charge revenue	-	607,644	-
7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
Consumer connection		20,531	-
System growth		40,611	-
Asset replacement and renewal		58,383	-
Asset relocations		18,185	-
Reliability, safety and environment:			
Quality of supply		364	-
Legislative and regulatory		-	-
Other reliability, safety and environment		-	-
Total reliability, safety and environment	-	364	-
Expenditure on network assets	179,100	138,074	(23%)
Non-network capex		10,158	-
Expenditure on assets		148,232	-
7(iii): Operational Expenditure			
Service interruptions and emergencies		7,924	-
Vegetation management		-	-
Routine and corrective maintenance and inspection		14,344	-
Asset replacement and renewal		9,839	-
Network opex	44,200	32,107	(27%)
System operations and network support		36,218	-
Business support		26,787	-
Non-network opex	-	63,005	-
Operational expenditure		95,112	-
7(iv): Subcomponents of Expenditure on Assets (where known)			
Energy efficiency and demand side management, reduction of energy losses		-	-
Overhead to underground conversion	13,200	11,618	(12%)
Research and development		-	-
7(v): Subcomponents of Operational Expenditure (where known)			
Energy efficiency and demand side management, reduction of energy losses		-	-
Direct billing		-	-
Research and development		-	-
Insurance		-	-

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

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

Company Name	Vector
For Year Ended	31 March 2013
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)	Price component Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Billed quantities by price component						Add extra columns for additional billed quantities by price component as necessary
						Fixed Day	Variable kWh	Capacity kVA/day	Demand kVA/day	Excess demand kVA/day	Power Factor kVAr/day	
A100	Residential	Standard	56,268	328,463		20,496,859	328,463,044	-	-	-	-	-
A102	Residential	Standard	224,433	1,624,502		81,378,758	1,624,501,892	-	-	-	-	-
ARCH	Residential	Standard	-	-		-	-	-	-	-	-	-
ARUH	Residential	Standard	-	-		-	-	-	-	-	-	-
ABSN	Business	Standard	37,460	770,483		12,750,465	770,483,500	-	-	-	-	-
ABSU	Business	Standard	1,946	34,640		21,664,573	34,639,859	-	-	-	-	-
ALVC	Low Voltage	Standard	428	56,144		-	56,144,449	33,461,560	-	-	-	-
ALVH	Low Voltage	Standard	1,520	577,906		-	577,906,341	136,684,516	53,064,082	-	8,096,667	-
ALVN	Low Voltage	Standard	1,567	166,462		537,500	166,462,394	68,834,841	-	-	-	141,094
ATXH	Transformer	Standard	832	1,026,653		-	1,026,653,250	197,899,247	83,993,778	-	-	8,123,112
ATXN	Transformer	Standard	146	19,155		49,356	19,154,747	12,086,587	-	-	-	9,862
AHVN	High Voltage	Standard	115	461,620		-	461,619,729	53,522,485	34,094,478	117,698	-	2,284,957
AHVN	High Voltage	Standard	6	396		1,228	395,654	467,008	-	-	-	-
W100	Residential	Standard	23,020	163,594		8,382,376	163,593,928	-	-	-	-	-
W102	Residential	Standard	165,594	1,255,300		60,419,655	1,255,299,576	-	-	-	-	-
WRCH	Residential	Standard	-	-		-	-	-	-	-	-	-
WRUH	Residential	Standard	-	-		-	-	-	-	-	-	-
WBSN	Business	Standard	21,173	390,726		7,714,847	390,725,506	-	-	-	-	-
WBSU	Business	Standard	242	18,713		12,637,145	18,712,522	-	-	-	-	-
WLVC	Low voltage	Standard	155	56,638		56,455	56,638,302	12,262,344	-	-	-	-
WLVH	Low voltage	Standard	118	74,141		42,295	74,141,452	11,737,022	5,574,252	-	-	611,319
WLVN	Low voltage	Standard	633	94,776		230,489	94,776,272	29,407,025	-	-	-	395,606
WTXC	Transformer	Standard	139	54,070		50,643	54,069,912	12,571,390	-	-	-	-
WTXN	Transformer	Standard	198	320,294		72,170	320,293,584	61,151,370	25,789,922	-	-	1,571,560
WTXN	Transformer	Standard	30	4,494		10,791	4,493,603	3,794,540	-	-	-	90,842
WHVN	High voltage	Standard	14	81,922		5,047	81,921,779	10,571,850	5,665,131	1,712	-	287,361
WHVN	High voltage	Standard	-	-		-	-	-	-	-	-	-
Non-Standard	Non-Standard	Non-Standard	51	800,369		37,452	5,121,088	730	-	8,516	-	4,745
Add extra rows for additional consumer groups or price category codes as necessary												
Standard consumer totals			536,035	7,581,091		226,500,652	7,581,091,295	644,451,785	208,181,643	119,410	-	21,612,380
Non-standard consumer totals			51	800,369		37,452	5,121,088	730	-	8,516	-	4,745
Total for all consumers			536,086	8,381,461		226,538,104	7,586,212,383	644,452,515	208,181,643	127,926	-	21,617,125

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)	Price component Rate (eg, \$/day, \$/kWh, etc.)	Line charge revenues by price component						Add extra columns for additional line charge revenues by price component as necessary
								Fixed \$/day	Variable \$/kWh	Capacity \$/kVA/day	Demand \$/kVA/day	Excess demand \$/kVA/day	Power factor \$/kVAr/day	
A100	Residential	Standard	\$36,969		\$26,248	\$10,721		\$3,029	\$33,940	-	-	-	-	-
A102	Residential	Standard	\$152,255		\$108,101	\$44,154		\$12,069	\$140,186	-	-	-	-	-
ARCH	Residential	Standard	-		-	-		-	-	-	-	-	-	-
ARUH	Residential	Standard	-		-	-		-	-	-	-	-	-	-
ABSN	Business	Standard	\$64,829		\$46,029	\$18,800		\$6,016	\$58,813	-	-	-	-	-
ABSU	Business	Standard	\$4,761		\$3,380	\$1,381		\$2,310	\$2,451	-	-	-	-	-
ALVC	Low Voltage	Standard	\$4,754		\$3,375	\$1,379		-	\$3,708	\$1,046	-	-	-	-
ALVH	Low Voltage	Standard	\$28,604		\$20,309	\$8,295		-	\$10,610	\$4,415	\$13,316	-	-	\$263
ALVN	Low Voltage	Standard	\$13,667		\$9,704	\$3,963		\$587	\$11,044	\$2,036	-	-	-	-
ATXH	Transformer	Standard	\$44,370		\$31,503	\$12,867		-	\$17,480	\$6,069	\$20,706	-	-	\$115
ATXN	Transformer	Standard	\$1,625		\$1,154	\$471		\$52	\$1,244	\$329	-	-	-	-
AHVN	High Voltage	Standard	\$19,455		\$13,813	\$5,642		-	\$8,366	\$1,788	\$9,223	\$69	-	\$9
AHVN	High Voltage	Standard	\$37		\$26	\$11		\$1	\$28	\$8	-	-	-	-
W100	Residential	Standard	\$20,300		\$14,210	\$6,090		\$1,246	\$19,054	-	-	-	-	-
W102	Residential	Standard	\$130,801		\$91,561	\$39,240		\$8,980	\$121,821	-	-	-	-	-
WRCH	Residential	Standard	-		-	-		-	-	-	-	-	-	-
WRUH	Residential	Standard	-		-	-		-	-	-	-	-	-	-
WBSN	Business	Standard	\$32,246		\$22,572	\$9,674		\$6,192	\$26,054	-	-	-	-	-
WBSU	Business	Standard	\$3,007		\$2,105	\$902		\$1,380	\$1,627	-	-	-	-	-
WLVC	Low voltage	Standard	\$2,295		\$1,607	\$687		\$341	\$1,745	\$209	-	-	-	-
WLVH	Low voltage	Standard	\$2,844		\$1,991	\$854		\$843	\$499	\$180	\$1,321	-	-	\$1
WLVN	Low voltage	Standard	\$7,399		\$5,179	\$2,220		\$1,112	\$5,798	\$489	-	-	-	-
WTXC	Transformer	Standard	\$1,965		\$1,376	\$589		\$275	\$1,500	\$190	-	-	-	-
WTXN	Transformer	Standard	\$9,646		\$6,753	\$2,892		\$1,295	\$1,963	\$902	\$5,484	-	-	\$2
WTXN	Transformer	Standard	\$347		\$243	\$104		\$47	\$248	\$52	-	-	-	-
WHVN	High voltage	Standard	\$1,955		\$1,369	\$586		\$89	\$492	\$152	\$1,217	\$1	-	\$4
WHVN	High voltage	Standard	-		-	-		-	-	-	-	-	-	-
Non-Standard	Non-Standard	Non-Standard	\$23,514		\$14,901	\$8,613		\$23,206	\$97	\$43	-	\$105	-	\$63
Add extra rows for additional consumer groups or price category codes as necessary														
Standard consumer totals			\$584,130		\$412,608	\$171,522		\$45,864	\$468,671	\$17,865	\$51,267	\$70	-	\$394
Non-standard consumer totals			\$23,514		\$14,901	\$8,613		\$23,206	\$97	\$43	-	\$105	-	\$63
Total for all consumers			\$607,644		\$427,509	\$180,135		\$69,070	\$468,768	\$17,908	\$51,267	\$175	-	\$457

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end	52	Check	<input checked="" type="checkbox"/> OK
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Company Name	Vector
For Year Ended	31 March 2013
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)	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	kVAr/day	
A100	Residential	Standard	56,268	328,463			20,496,859	328,463,044	-	-	-	
A102	Residential	Standard	224,433	1,624,502			81,378,758	1,624,501,892	-	-	-	
ARCH	Residential	Standard	-	-			-	-	-	-	-	
ARUH	Residential	Standard	-	-			-	-	-	-	-	
ABSN	Business	Standard	37,460	770,484			12,750,465	770,483,500	-	-	-	
ABSU	Business	Standard	1,946	34,640			21,664,573	34,639,859	-	-	-	
ALVC	Low Voltage	Standard	428	56,144			-	56,144,449	33,461,560	-	-	
ALVH	Low Voltage	Standard	1,520	577,906			-	577,906,341	136,684,516	53,064,082	8,096,667	
ALVN	Low Voltage	Standard	1,567	166,462			537,500	166,462,394	68,834,841	-	141,094	
ATXH	Transformer	Standard	832	1,026,653			-	1,026,653,250	197,899,247	83,993,778	8,123,112	
ATXN	Transformer	Standard	146	19,155			49,356	19,154,747	12,086,587	-	9,862	
AHVN	High Voltage	Standard	115	461,620			-	461,619,729	53,522,485	34,094,478	117,698	
AHVN	High Voltage	Standard	6	396			1,228	395,654	467,008	-	-	
Non-Standard	Non-Standard	Non-Standard	40	703,218			25,851	5,121,088	730	8,516	4,745	
Add extra rows for additional consumer groups or price category codes as necessary												
Standard consumer totals			324,720	5,066,425			136,878,739	5,066,424,859	502,956,244	171,152,338	117,698	18,655,692
Non-standard consumer totals			40	703,218			25,851	5,121,088	730	8,516	4,745	
Total for all consumers			324,760	5,769,643			136,904,590	5,071,545,947	502,956,974	171,152,338	126,214	18,660,437

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

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$/day, \$/kWh, etc.)	Line charge revenues by price component					
								Price component	Fixed	Variable	Capacity	Demand	Excess demand
								\$/day	\$/kWh	\$/kVA/day	\$/kVA/day	\$/kVA/day	\$/kVAr/day
A100	Residential	Standard	\$36,969		\$26,248	\$10,721		\$3,029	\$33,940	-	-	-	-
A102	Residential	Standard	\$152,255		\$108,101	\$44,154		\$12,069	\$140,186	-	-	-	-
ARCH	Residential	Standard	-		-	-		-	-	-	-	-	-
ARUH	Residential	Standard	-		-	-		-	-	-	-	-	-
ABSN	Business	Standard	\$64,829		\$46,029	\$18,800		\$6,016	\$58,813	-	-	-	-
ABSU	Business	Standard	\$4,761		\$3,380	\$1,381		\$2,310	\$2,451	-	-	-	-
ALVC	Low Voltage	Standard	\$4,754		\$3,375	\$1,379		-	\$3,708	\$1,046	-	-	-
ALVH	Low Voltage	Standard	\$28,604		\$20,309	\$8,295		-	\$10,610	\$4,415	\$13,316	-	\$263
ALVN	Low Voltage	Standard	\$13,667		\$9,704	\$3,963		\$587	\$11,044	\$2,036	-	-	-
ATXH	Transformer	Standard	\$44,370		\$31,503	\$12,867		-	\$17,480	\$6,069	\$20,706	-	\$115
ATXN	Transformer	Standard	\$1,625		\$1,154	\$471		\$52	\$1,244	\$329	-	-	-
AHVN	High Voltage	Standard	\$19,455		\$13,813	\$5,642		-	\$8,366	\$1,788	\$9,223	\$69	\$9
AHVN	High Voltage	Standard	\$37		\$26	\$11		\$1	\$28	\$8	-	-	-
Non-Standard	Non-Standard	Non-Standard	\$20,407		\$12,205	\$8,202		\$20,099	\$97	\$43	-	\$105	\$63
Add extra rows for additional consumer groups or price category codes as necessary													
Standard consumer totals			\$371,326		\$263,642	\$107,684		\$24,064	\$287,870	\$15,691	\$43,245	\$69	\$387
Non-standard consumer totals			\$20,407		\$12,205	\$8,202		\$20,099	\$97	\$43	-	\$105	\$63
Total for all consumers			\$391,733		\$275,847	\$115,886		\$44,163	\$287,967	\$15,734	\$43,245	\$174	\$450

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 2013
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.

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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)
W100	Residential	Standard	23,020	163,594
W102	Residential	Standard	165,594	1,255,300
WRCH	Residential	Standard	-	-
WRUH	Residential	Standard	-	-
WBSN	Business	Standard	21,173	390,726
WBSU	Business	Standard	242	18,713
WLVC	Low voltage	Standard	155	56,638
WLVH	Low voltage	Standard	118	74,141
WLVN	Low voltage	Standard	633	94,776
WTXC	Transformer	Standard	139	54,070
WTXH	Transformer	Standard	198	320,294
WTXN	Transformer	Standard	30	4,494
WHVH	High voltage	Standard	14	81,922
WHVN	High voltage	Standard	-	-
Non-Standard	Non-Standard	Non-Standard	11	97,151
Standard consumer totals			211,315	2,514,666
Non-standard consumer totals			11	97,151
Total for all consumers			211,326	2,611,818

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.)

Billed quantities by price component						
Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power Factor
	Day	kWh	kVA/day	kVA/day	kVA/day	kVAr/day
W100	8,382,376	163,593,928	-	-	-	-
W102	60,419,655	1,255,299,576	-	-	-	-
WRCH	-	-	-	-	-	-
WRUH	-	-	-	-	-	-
WBSN	7,714,847	390,725,506	-	-	-	-
WBSU	12,637,145	18,712,522	-	-	-	-
WLVC	56,455	56,638,302	12,262,344	-	-	-
WLVH	42,295	74,141,452	11,737,022	5,574,252	-	611,319
WLVN	230,489	94,776,272	29,407,025	-	-	395,606
WTXC	50,643	54,069,912	12,571,390	-	-	-
WTXH	72,170	320,293,584	61,151,370	25,789,922	-	1,571,560
WTXN	10,791	4,493,603	3,794,540	-	-	90,842
WHVH	5,047	81,921,779	10,571,850	5,665,131	1,712	287,361
WHVN	-	-	-	-	-	-
Non-Standard	11,601	-	-	-	-	-
Standard consumer totals	89,621,913	2,514,666,436	141,495,541	37,029,305	1,712	2,956,688
Non-standard consumer totals	11,601	-	-	-	-	-
Total for all consumers	89,633,514	2,514,666,436	141,495,541	37,029,305	1,712	2,956,688

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

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)
W100	Residential	Standard	\$20,300	-
W102	Residential	Standard	\$130,801	-
WRCH	Residential	Standard	-	-
WRUH	Residential	Standard	-	-
WBSN	Business	Standard	\$32,246	-
WBSU	Business	Standard	\$3,007	-
WLVC	Low voltage	Standard	\$2,295	-
WLVH	Low voltage	Standard	\$2,844	-
WLVN	Low voltage	Standard	\$7,399	-
WTXC	Transformer	Standard	\$1,965	-
WTXH	Transformer	Standard	\$9,646	-
WTXN	Transformer	Standard	\$347	-
WHVH	High voltage	Standard	\$1,955	-
WHVN	High voltage	Standard	-	-
Non-Standard	Non-Standard	Non-Standard	\$3,107	-
Standard consumer totals			\$212,804.00	-
Non-standard consumer totals			\$3,107.00	-
Total for all consumers			\$215,911	-

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

Total distribution line charge revenue

Total transmission line charge revenue (if available)

Rate (eg, \$/day, \$/kWh, etc.)

Line charge revenues by price component						
Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
	\$/day	\$/kWh	\$/kVA/day	\$/kVA/day	\$/kVA/day	\$/kVAr/day
W100	\$1,246	\$19,054	-	-	-	-
W102	\$8,980	\$121,821	-	-	-	-
WRCH	-	-	-	-	-	-
WRUH	-	-	-	-	-	-
WBSN	\$6,192	\$26,054	-	-	-	-
WBSU	\$1,380	\$1,627	-	-	-	-
WLVC	\$341	\$1,745	\$209	-	-	-
WLVH	\$843	\$499	\$180	\$1,321	-	\$1
WLVN	\$1,112	\$5,798	\$489	-	-	-
WTXC	\$275	\$1,500	\$190	-	-	-
WTXH	\$1,295	\$1,963	\$902	\$5,484	-	\$2
WTXN	\$47	\$248	\$52	-	-	-
WHVH	\$89	\$492	\$152	\$1,217	\$1	\$4
WHVN	-	-	-	-	-	-
Non-Standard	\$3,107	-	-	-	-	-
Standard consumer totals	\$21,799	\$180,801	\$2,174	\$8,022	\$1	\$7
Non-standard consumer totals	\$3,107	-	-	-	-	-
Total for all consumers	\$24,906	\$180,801	\$2,174	\$8,022	\$1	\$7

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

Company Name	Vector Ltd
For Year Ended	31 March 2013
Network / Sub-network Name	Vector Network

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.	108,050	108,308	258	3
9	All	Overhead Line	Wood poles	No.	8,703	8,353	(350)	3
10	All	Overhead Line	Other pole types	No.	-	1	1	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	380	380	(0)	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	290	294	4	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	152	151	(0)	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	5	5	-	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	61	56	(5)	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	-	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	63	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	6	6	-	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	236	233	(3)	3
28	HV	Zone substation switchgear	33kV RMU	No.	8	8	-	3
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	172	201	29	3
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	211	210	(1)	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	1,312	1,320	8	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.	205	206	1	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,843	3,836	(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	1,082	1,120	38	4
38	HV	Distribution Cable	Distribution UG PILC	km	2,285	2,280	(4)	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.	178	176	(2)	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.	8,490	8,601	111	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	3,939	3,946	7	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	5,749	5,882	133	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,613	7,750	137	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	13,015	13,328	313	3
47	HV	Distribution Transformer	Voltage regulators	No.	13	12	(1)	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	12,024	12,124	100	3
49	LV	LV Line	LV OH Conductor	km	4,195	4,189	(6)	3
50	LV	LV Cable	LV UG Cable	km	5,370	5,439	70	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	364	364	-	4
52	LV	Connections	OH/UG consumer service connections	No.	534,713	538,011	3,298	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	3,092	3,209	117	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	184	194	10	2
55	All	Capacitor Banks	Capacitors including controls	No.	27	28	1	4
56	All	Load Control	Centralised plant	Lot	5	5	-	4
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	10	10	(0)	4

Company Name	Vector Ltd
For Year Ended	31 March 2013
Network / Sub-network Name	Southern Network

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.	45,771	45,921	150	3
9	All	Overhead Line	Wood poles	No.	5,955	5,646	(309)	3
10	All	Overhead Line	Other pole types	No.	-	-	-	N/A
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	161	164	3	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	149	149	(0)	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	5	5	-	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	60	55	(4)	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	-	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	63	-	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.	109	115	6	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.	867	859	(8)	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	921	917	(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	454	473	19	4
38	HV	Distribution Cable	Distribution UG PILC	km	1,650	1,646	(4)	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	39	-	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.	1,809	1,879	70	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	3,176	3,180	4	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	4,390	4,489	99	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,095	2,137	42	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	6,184	6,372	188	3
47	HV	Distribution Transformer	Voltage regulators	No.	6	5	(1)	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	5,907	5,963	56	3
49	LV	LV Line	LV OH Conductor	km	2,026	2,018	(8)	3
50	LV	LV Cable	LV UG Cable	km	3,340	3,368	28	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	227	227	-	4
52	LV	Connections	OH/UG consumer service connections	No.	323,994	325,745	1,751	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,744	1,777	33	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	105	111	6	2
55	All	Capacitor Banks	Capacitors including controls	No.	26	26	-	4
56	All	Load Control	Centralised plant	Lot	5	5	-	4
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	10	10	(0)	4

Company Name	Vector Ltd
For Year Ended	31 March 2013
Network / Sub-network Name	Northern Network

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.	62,279	62,387	108	3
9	All	Overhead Line	Wood poles	No.	2,748	2,707	(41)	3
10	All	Overhead Line	Other pole types	No.	-	1	1	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	331	331	(0)	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	129	130	1	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	3	3	(0)	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	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	6	-	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	236	233	(3)	3
28	HV	Zone substation switchgear	33kV RMU	No.	8	8	-	3
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	63	86	23	3
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	206	205	(1)	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	445	461	16	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.	80	81	1	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,922	2,919	(3)	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	628	647	19	4
38	HV	Distribution Cable	Distribution UG PILC	km	635	634	(0)	4
39	HV	Distribution Cable	Distribution Submarine Cable	km	6	7	0	4
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	139	137	(2)	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.	6,681	6,722	41	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	763	766	3	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1,359	1,393	34	2
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,518	5,613	95	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	6,831	6,956	125	3
47	HV	Distribution Transformer	Voltage regulators	No.	7	7	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	6,117	6,161	44	3
49	LV	LV Line	LV OH Conductor	km	2,169	2,171	2	3
50	LV	LV Cable	LV UG Cable	km	2,029	2,071	42	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	137	137	-	4
52	LV	Connections	OH/UG consumer service connections	No.	210,719	212,266	1,547	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,348	1,432	84	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	79	83	4	2
55	All	Capacitor Banks	Capacitors including controls	No.	1	2	1	4
56	All	Load Control	Centralised plant	Lot	-	-	-	N/A
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name	Vector
For Year Ended	31 March 2013
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	Circuit length by operating voltage (at year end)		Overhead (km)	Underground (km)
11	> 66kV		26	47
12	50kV & 66kV		-	-
13	33kV		378	394
14	SWER (all SWER voltages)		-	-
15	22kV (other than SWER)		3	159
16	6.6kV to 11kV (inclusive—other than SWER)		3,836	3,377
17	Low voltage (< 1kV)		4,189	5,440
18	Total circuit length (for supply)		8,432	9,417
19				Total circuit length (km)
20	Dedicated street lighting circuit length (km)		17	347
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			-
22				
23	Overhead circuit length by terrain (at year end)		(% of total overhead length)	
24	Urban		4,160	49%
25	Rural		4,272	51%
26	Remote only			-
27	Rugged only			-
28	Remote and rugged			-
29	Unallocated overhead lines			-
30	Total overhead length		8,432	100%
31				
32			(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)		17,795	99.7%
34			(% of total overhead length)	
35	Overhead circuit requiring vegetation management		1,176	14%

Company Name	Vector
For Year Ended	31 March 2013
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

sch ref		Overhead (km)	Underground (km)	Total circuit length (km)
9				
10	Circuit length by operating voltage (at year end)			
11	> 66kV	-	47	47
12	50kV & 66kV	-	-	-
13	33kV	46	258	304
14	SWER (all SWER voltages)	-	-	-
15	22kV (other than SWER)	3	159	162
16	6.6kV to 11kV (inclusive—other than SWER)	917	2,068	2,985
17	Low voltage (< 1kV)	2,018	3,419	5,438
18	Total circuit length (for supply)	2,984	5,950	8,935
19				
20	Dedicated street lighting circuit length (km)	5	222	227
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			-
22				
23	Overhead circuit length by terrain (at year end)			
24	Urban	2,485		83%
25	Rural	499		17%
26	Remote only			-
27	Rugged only			-
28	Remote and rugged			-
29	Unallocated overhead lines			-
30	Total overhead length	2,984		100%
31				
32				
33	Length of circuit within 10km of coastline or geothermal areas (where known)	8,935		100%
34				
35	Overhead circuit requiring vegetation management	127		4%

Company Name	Vector
For Year Ended	31 March 2013
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	Circuit length by operating voltage (at year end)			Total circuit length (km)
11	> 66kV	Overhead (km)	Underground (km)	26
12	50kV & 66kV	-	-	-
13	33kV	331	136	468
14	SWER (all SWER voltages)	-	-	-
15	22kV (other than SWER)	-	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	2,919	1,310	4,229
17	Low voltage (< 1kV)	2,171	2,020	4,191
18	Total circuit length (for supply)	5,448	3,466	8,914
19				
20	Dedicated street lighting circuit length (km)	12	125	137
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			-
22				
23	Overhead circuit length by terrain (at year end)	(% of total)		
24	Urban	Circuit length (km)	overhead length	31%
25	Rural	1,675		69%
26	Remote only	3,773		-
27	Rugged only			-
28	Remote and rugged			-
29	Unallocated overhead lines			-
30	Total overhead length	5,448		100%
31				
32		(% of total circuit length)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)	Circuit length (km)		99.4%
34		8,859		
35		(% of total overhead length)		
	Overhead circuit requiring vegetation management	Circuit length (km)	overhead length	19%
		1,048		

Company Name **Vector**
 For Year Ended **31 March 2013**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26	* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network		

Company Name	Vector
For Year Ended	31 March 2013
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	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	Number of connections (ICPs)	
11	Residential	1,811	
12	Commercial	3,419	
13	[EDB consumer type]		
14	[EDB consumer type]		
15	[EDB consumer type]		
16	* include additional rows if needed		
17	Connections total	5,230	
18			
19	Distributed generation		
20	Number of connections made in year	92	connections
21	Capacity of distributed generation installed in year	0.34	MVA
22	9e(ii): System Demand		
23			
24		Demand at time of maximum coincident demand (MW)	
25	Maximum coincident system demand		
26	GXP demand	1,698	
27	plus Distributed generation output at HV and above	13	
28	Maximum coincident system demand	1,711	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	Demand on system for supply to consumers' connection points	1,711	
31	Electricity volumes carried	Energy (GWh)	Energy (GWh)
32	Electricity supplied from GXPs	8,585	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	105	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	8,690	
37	less Total energy delivered to ICPs	8,381	
38	Electricity losses (loss ratio)	308	3.6%
39			
40	Load factor	0.58	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	4,012	
44	Distribution transformer capacity (Non-EDB owned)	499	
45	Total distribution transformer capacity	4,511	
46			
47	Zone substation transformer capacity	4,178	

Company Name	Vector
For Year Ended	31 March 2013
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	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	Number of connections (ICPs)	
11	Residential	1,147	
12	Commercial	1,634	
13	[EDB consumer type]		
14	[EDB consumer type]		
15	[EDB consumer type]		
16	* include additional rows if needed		
17	Connections total	2,781	
18			
19	Distributed generation		
20	Number of connections made in year	41	connections
21	Capacity of distributed generation installed in year	0.14	MVA
22	9e(ii): System Demand		
23			
24		Demand at time of maximum coincident demand (MW)	
25	Maximum coincident system demand		
26	GXP demand	1,111	
27	plus Distributed generation output at HV and above	4	
28	Maximum coincident system demand	1,115	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	Demand on system for supply to consumers' connection points	1,115	
31	Electricity volumes carried	Energy (GWh)	Energy (GWh)
32	Electricity supplied from GXPs	5,927	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	30	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	5,958	
37	less Total energy delivered to ICPs	5,770	
38	Electricity losses (loss ratio)	188	3.2%
39			
40	Load factor	0.61	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	2,567	
44	Distribution transformer capacity (Non-EDB owned)	435	
45	Total distribution transformer capacity	3,002	
46			
47	Zone substation transformer capacity	2,797	

Company Name	Vector
For Year Ended	31 March 2013
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	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	Number of connections (ICPs)	
11	Residential	664	
12	Commercial	1,785	
13	[EDB consumer type]		
14	[EDB consumer type]		
15	[EDB consumer type]		
16	* include additional rows if needed		
17	Connections total	2,449	
18			
19	Distributed generation		
20	Number of connections made in year	51	connections
21	Capacity of distributed generation installed in year	0.20	MVA
22	9e(ii): System Demand		
23			
24		Demand at time of maximum coincident demand (MW)	
25	Maximum coincident system demand		
26	GXP demand	583	
27	plus Distributed generation output at HV and above	8	
28	Maximum coincident system demand	591	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	Demand on system for supply to consumers' connection points	591	
31	Electricity volumes carried	Energy (GWh)	Energy (GWh)
32	Electricity supplied from GXPs	2,658	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	74	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	2,732	
37	less Total energy delivered to ICPs	2,612	
38	Electricity losses (loss ratio)	120	4.4%
39			
40	Load factor	0.53	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	1,445	
44	Distribution transformer capacity (Non-EDB owned)	64	
45	Total distribution transformer capacity	1,509	
46			
47	Zone substation transformer capacity	1,381	

Company Name	Vector
For Year Ended	31 March 2013
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, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)		
11	Class B (planned interruptions on the network)	998	
12	Class C (unplanned interruptions on the network)	1,144	
13	Class D (unplanned interruptions by Transpower)	8	
14	Class E (unplanned interruptions of EDB owned generation)		
15	Class F (unplanned interruptions of generation owned by others)		
16	Class G (unplanned interruptions caused by another disclosing entity)		
17	Class H (planned interruptions caused by another disclosing entity)		
18	Class I (interruptions caused by parties not included above)		
19	Total	2,150	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	724	420
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)		
26	Class B (planned interruptions on the network)	0.14	20.1
27	Class C (unplanned interruptions on the network)	0.87	75.7
28	Class D (unplanned interruptions by Transpower)	0.02	1.1
29	Class E (unplanned interruptions of EDB owned generation)		
30	Class F (unplanned interruptions of generation owned by others)		
31	Class G (unplanned interruptions caused by another disclosing entity)		
32	Class H (planned interruptions caused by another disclosing entity)		
33	Class I (interruptions caused by parties not included above)		
34	Total	1.03	96.9
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.01	95.8
38			
39	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*	1.86	127.3
41	* not applicable to exempt EDBs		
42	10(ii): Class C Interruptions and Duration by Cause		
43			
44	Cause	SAIFI	SAIDI
45	Lightning	0.01	0.6
46	Vegetation	0.11	11.0
47	Adverse weather	0.03	5.4
48	Adverse environment		
49	Third party interference	0.16	12.9
50	Wildlife	0.06	3.7
51	Human error	0.03	0.1
52	Defective equipment	0.36	32.2
53	Cause unknown	0.11	9.8
62	10(iii): Class B Interruptions and Duration by Main Equipment Involved		
63			
64	Main equipment involved	SAIFI	SAIDI
65	Subtransmission lines		
66	Subtransmission cables		
67	Subtransmission other		
68	Distribution lines (excluding LV)	0.00	1.0
69	Distribution cables (excluding LV)	0.01	1.3
70	Distribution other (excluding LV)	0.13	17.8

Company Name	Vector
For Year Ended	31 March 2013
Network / Sub-network Name	Vector

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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

	SAIFI	SAIDI
73 Main equipment involved		
74 Subtransmission lines	0.02	0.5
75 Subtransmission cables	0.01	0.2
76 Subtransmission other	0.12	6.9
77 Distribution lines (excluding LV)	0.34	32.0
78 Distribution cables (excluding LV)	0.12	10.6
79 Distribution other (excluding LV)	0.26	25.5

80 10(v): Fault Rate

	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
81 Main equipment involved			
82 Subtransmission lines	26	407	6.39
83 Subtransmission cables	12	568	2.11
84 Subtransmission other	45		
85 Distribution lines (excluding LV)	464	3,836	12.09
86 Distribution cables (excluding LV)	201	3,409	5.90
87 Distribution other (excluding LV)	396		
88 Total	1,144		

Company Name	Vector
For Year Ended	31 March 2013
Network / Sub-network Name	Southern

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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10(i): Interruptions

Interruptions by class

	Number of interruptions
Class A (planned interruptions by Transpower)	
Class B (planned interruptions on the network)	409
Class C (unplanned interruptions on the network)	429
Class D (unplanned interruptions by Transpower)	
Class E (unplanned interruptions of EDB owned generation)	
Class F (unplanned interruptions of generation owned by others)	
Class G (unplanned interruptions caused by another disclosing entity)	
Class H (planned interruptions caused by another disclosing entity)	
Class I (interruptions caused by parties not included above)	
Total	838

Interruption restoration

	≤3Hrs	>3hrs
Class C interruptions restored within	300	129

SAIFI and SAIDI by class

	SAIFI	SAIDI
Class A (planned interruptions by Transpower)		
Class B (planned interruptions on the network)	0.11	6.8
Class C (unplanned interruptions on the network)	0.60	49.2
Class D (unplanned interruptions by Transpower)		
Class E (unplanned interruptions of EDB owned generation)		
Class F (unplanned interruptions of generation owned by others)		
Class G (unplanned interruptions caused by another disclosing entity)		
Class H (planned interruptions caused by another disclosing entity)		
Class I (interruptions caused by parties not included above)		
Total	0.71	56.0

Normalised SAIFI and SAIDI

	Normalised SAIFI	Normalised SAIDI
Classes B & C (interruptions on the network)	0.71	56.0

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	0.4
Vegetation	0.06	4.7
Adverse weather	0.04	4.7
Adverse environment		
Third party interference	0.15	12.1
Wildlife	0.04	1.7
Human error	0.00	0.0
Defective equipment	0.25	21.6
Cause unknown	0.05	4.0

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	0.0
Distribution cables (excluding LV)	0.01	0.4
Distribution other (excluding LV)	0.10	6.4

Company Name	Vector
For Year Ended	31 March 2013
Network / Sub-network Name	Southern

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

71 **10(iv): Class C Interruptions and Duration by Main Equipment Involved**
72

Main equipment involved		SAIFI	SAIDI
74	Subtransmission lines	0.00	0.0
75	Subtransmission cables	0.00	0.0
76	Subtransmission other	0.04	4.3
77	Distribution lines (excluding LV)	0.20	13.8
78	Distribution cables (excluding LV)	0.15	13.3
79	Distribution other (excluding LV)	0.20	17.7

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

Main equipment involved		Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
82	Subtransmission lines	4	49	8.16
83	Subtransmission cables	5	432	1.16
84	Subtransmission other	13		
85	Distribution lines (excluding LV)	128	917	13.96
86	Distribution cables (excluding LV)	115	2,099	5.48
87	Distribution other (excluding LV)	164		
88	Total	429		

Company Name	Vector
For Year Ended	31 March 2013
Network / Sub-network Name	Northern

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)		
11	Class B (planned interruptions on the network)	589	
12	Class C (unplanned interruptions on the network)	715	
13	Class D (unplanned interruptions by Transpower)	8	
14	Class E (unplanned interruptions of EDB owned generation)		
15	Class F (unplanned interruptions of generation owned by others)		
16	Class G (unplanned interruptions caused by another disclosing entity)		
17	Class H (planned interruptions caused by another disclosing entity)		
18	Class I (interruptions caused by parties not included above)		
19	Total	1,312	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	424	291
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)		
26	Class B (planned interruptions on the network)	0.20	40.6
27	Class C (unplanned interruptions on the network)	1.27	116.5
28	Class D (unplanned interruptions by Transpower)	0.05	2.7
29	Class E (unplanned interruptions of EDB owned generation)		
30	Class F (unplanned interruptions of generation owned by others)		
31	Class G (unplanned interruptions caused by another disclosing entity)		
32	Class H (planned interruptions caused by another disclosing entity)		
33	Class I (interruptions caused by parties not included above)		
34	Total	1.52	159.8
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.47	153.7
38			
39	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A
41	* not applicable to exempt EDBs		
42	10(ii): Class C Interruptions and Duration by Cause		
43			
44	Cause	SAIFI	SAIDI
45	Lightning	0.01	0.9
46	Vegetation	0.19	20.7
47	Adverse weather	0.02	6.6
48	Adverse environment		
49	Third party interference	0.17	14.0
50	Wildlife	0.08	6.6
51	Human error	0.08	0.4
52	Defective equipment	0.52	48.7
53	Cause unknown	0.20	18.5
62	10(iii): Class B Interruptions and Duration by Main Equipment Involved		
63			
64	Main equipment involved	SAIFI	SAIDI
65	Subtransmission lines		
66	Subtransmission cables		
67	Subtransmission other		
68	Distribution lines (excluding LV)	0.01	2.4
69	Distribution cables (excluding LV)	0.01	2.7
70	Distribution other (excluding LV)	0.18	35.5

Company Name	Vector
For Year Ended	31 March 2013
Network / Sub-network Name	Northern

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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

Main equipment involved	SAIFI		SAIDI	
74 Subtransmission lines	0.05		1.3	
75 Subtransmission cables	0.03		0.6	
76 Subtransmission other	0.24		10.9	
77 Distribution lines (excluding LV)	0.56		59.8	
78 Distribution cables (excluding LV)	0.07		6.4	
79 Distribution other (excluding LV)	0.32		37.5	

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

Main equipment involved	Number of Faults		Circuit length (km)		Fault rate (faults per 100km)
82 Subtransmission lines	22		358		6.15
83 Subtransmission cables	7		136		5.14
84 Subtransmission other	32				
85 Distribution lines (excluding LV)	336		2,919		11.51
86 Distribution cables (excluding LV)	86		1,310		6.57
87 Distribution other (excluding LV)	232				
88 Total		715			